Confidentiality Requested: Yes No

OPERATOR: License # \_\_\_\_

## KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1128600

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM

| WELL HISTORY - DESCRI | PTION OF WELL & LEASE |
|-----------------------|-----------------------|
|                       | API No. 15            |

| Name:                                 |                    |                   | Spot Description:           |                      |                               |
|---------------------------------------|--------------------|-------------------|-----------------------------|----------------------|-------------------------------|
| Address 1:                            |                    |                   |                             | ec Twp               | S. R East Wes                 |
| Address 2:                            |                    |                   |                             | Feet from            | North / South Line of Section |
| City: State                           | e: Zip:            | +                 |                             | Feet from            | East / West Line of Section   |
| Contact Person:                       |                    |                   | Footages Calculated fro     | om Nearest Outsi     | de Section Corner:            |
| Phone: ()                             |                    |                   |                             | NW SE                | SW                            |
| CONTRACTOR: License #                 |                    |                   | GPS Location: Lat:          |                      | , Long:                       |
| Name:                                 |                    |                   |                             | (e.g. xx.xxxxx)      | (e.gxxx.xxxxx)                |
| Wellsite Geologist:                   |                    |                   | Datum: NAD27                | NAD83                | WGS84                         |
| Purchaser:                            |                    |                   | County:                     |                      |                               |
| Designate Type of Completion:         |                    |                   | Lease Name:                 |                      | Well #:                       |
| New Well Re-Er                        | ntrv               | Workover          | Field Name:                 |                      |                               |
|                                       |                    |                   | Producing Formation: _      |                      |                               |
| _ Oil _ WSW<br>□ Gas □ D&A            |                    | SIOW              | Elevation: Ground:          | K                    | elly Bushing:                 |
|                                       |                    | Temp. Abd.        | Total Vertical Depth:       | Plug                 | Back Total Depth:             |
| CM (Coal Bed Methane)                 |                    |                   | Amount of Surface Pipe      | e Set and Cemen      | ted at: Fe                    |
| Cathodic Other (Core, E               | Expl., etc.):      |                   | Multiple Stage Cementi      | ng Collar Used?      | Yes No                        |
| If Workover/Re-entry: Old Well Info a |                    |                   | If yes, show depth set:     |                      | Fee                           |
| Operator:                             |                    |                   | If Alternate II completion  | n, cement circula    | ted from:                     |
| Well Name:                            |                    |                   | feet depth to:              | w/_                  | sx cn                         |
| Original Comp. Date:                  | _ Original Total I | Depth:            |                             |                      |                               |
| Deepening Re-perf.                    | Conv. to ENHR      | Conv. to SWD      | Drilling Fluid Manager      | nent Plan            |                               |
| Plug Back                             | Conv. to GSW       | Conv. to Producer | (Data must be collected fro |                      |                               |
|                                       |                    |                   | Chloride content:           | ppm                  | Fluid volume: bb              |
|                                       |                    |                   | Dewatering method use       | ed:                  |                               |
|                                       |                    |                   | Leasting of fluid dispass   | al if have a affaita |                               |
|                                       |                    |                   | Location of fluid disposa   | al it nauled offsite | <u>}:</u>                     |
|                                       |                    |                   | Operator Name:              |                      |                               |
|                                       | -                  |                   | Lease Name:                 |                      | License #:                    |
| Spud Date or Date Reach               | ned TD Co          | ompletion Date or | Quarter Sec                 | Twp                  | _S. R East We                 |
| Recompletion Date                     |                    | ecompletion Date  | County:                     | Perm                 | it #:                         |

#### AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

### Submitted Electronically

| KCC Office Use ONLY             |
|---------------------------------|
| Confidentiality Requested       |
| Date:                           |
| Confidential Release Date:      |
| Wireline Log Received           |
| Geologist Report Received       |
| UIC Distribution                |
| ALT I II III Approved by: Date: |

|                       | Page Two    |         |
|-----------------------|-------------|---------|
| Operator Name:        | Lease Name: | Well #: |
| Sec TwpS. R East West | County:     |         |

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| Drill Stem Tests Taken<br>(Attach Additional Sh | eets)   | Yes No                       |                      | -                | on (Top), Depth a |                   | Sample                        |
|---|---|------------------------------|----------------------|------------------|-------------------|-------------------|-------------------------------|
| Samples Sent to Geolog                          | gical Survey  | Yes No                       | Nam                  | 9                |                   | Тор               | Datum                         |
| Cores Taken<br>Electric Log Run                 |   | ☐ Yes ☐ No<br>☐ Yes ☐ No     |                      |                  |                   |                   |                               |
| List All E. Logs Run:                           |   |                              |                      |                  |                   |                   |                               |
|   |   |                              |                      |                  |                   |                   |                               |
|   |   |                              |                      |                  | ion, etc.         |                   |                               |
| Purpose of String                               | Size Hole<br>Drilled  | Size Casing<br>Set (In O.D.) | Weight<br>Lbs. / Ft. | Setting<br>Depth | Type of<br>Cement | # Sacks<br>Used   | Type and Percent<br>Additives |
|   |   |                              |                      |                  |                   |                   |                               |
|   |   |                              |                      |                  |                   |                   |                               |
|   | Additional Sheets)       Yes       No         Int to Geological Survey       Yes       No         Run       Yes       No         Sigs Run:       Yes       No         CASING RECORD       New       Used         Report all strings set-conductor, surface, intermediate, production, etc.       Image: Size Hole Size Casing Weight Lbs. / Ft.       Setting Cement Used         of String       Size Hole Size Casing Set (In O.D.)       Weight Lbs. / Ft.       Setting Cement Used         Additives       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)         Additives       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)         Additives       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)         Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)         Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)         Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.)       Image: Size Casing Set (In O.D.) |                              |                      |                  |                   |                   |                               |
|   |   | ADDITIONAL                   | CEMENTING / SQU      | EEZE RECORD      |                   |                   |                               |
| Purpose:  | Depth   | Type of Cement               | # Sacks Used         |                  | Type and F        | Percent Additives |                               |

| Purpose:<br>Perforate         | Depth<br>Top Bottom | Type of Cement     # Sacks Used     Type and Percent Additives |  |
|-------------------------------|---------------------|--|--|
| Protect Casing                |                     |  |  |
| Plug Back TD<br>Plug Off Zone |                     |  |  |

| Did you perform a hydraulic fracturing treatment on this well?                                     | Yes        |
|--|------------|
| Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallo | ons? 🗌 Yes |
| Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  | Yes        |

 No
 (If No, skip questions 2 and 3)

 No
 (If No, skip question 3)

No

(If No, fill out Page Three of the ACO-1)

| Shots Per Foot PERFORATION RECO<br>Specify Footage of |          |                  |            |                  |         | e         |          |                 | ement Squeeze Record<br>I of Material Used) | Depth   |
|---|----------|------------------|------------|------------------|---------|-----------|----------|-----------------|---|---------|
|   |          |                  |            |                  |         |           |          |                 |   |         |
|   |          |                  |            |                  |         |           |          |                 |   |         |
|   |          |                  |            |                  |         |           |          |                 |   |         |
|   |          |                  |            |                  |         |           |          |                 |   |         |
|   |          |                  |            |                  |         |           |          |                 |   |         |
| TUBING RECORD: Size: Set At: Packer At:               |          |                  |            | r At:            | Liner R | un:       | No       |                 |   |         |
| Date of First, Resumed                                | Producti | ion, SWD or ENHF | <b>}</b> . | Producing N      |         | ping      | Gas Lift | Other (Explain) |   |         |
| Estimated Production<br>Per 24 Hours                  |          | Oil Bb           | ls.        | Gas              | Mcf     | Wat       | er       | Bbls.           | Gas-Oil Ratio                               | Gravity |
|   |          |                  |            |                  |         | 1         |          |                 |   |         |
| DISPOSITION OF GAS:                                   |          |                  | _          | METHOD OF COMPLE |         |           | TION:    |                 | PRODUCTION IN                               | TERVAL: |
| Vented Sold Used on Lease                             |          |                  |            | Open Hole        | Perf.   |           | Comp.    | Commingled      |   |         |
| (If vented, Su  | bmit ACC | 0-18.)           |            | Other (Specify)  | )       | (Submit ) |          | (Submit ACO-4)  |   |         |

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

| Form      | ACO1 - Well Completion    |
|-----------|---------------------------|
| Operator  | Ritchie Exploration, Inc. |
| Well Name | Schlicht Trust 1          |
| Doc ID    | 1128600                   |

Tops

| Name         | Тор  | Datum |  |  |
|--------------|------|-------|--|--|
| Anhydrite    | N/A  |       |  |  |
| B/Anhydrite  | N/A  |       |  |  |
| Stotler      | 2270 | -481  |  |  |
| Topeka       | 2555 | -766  |  |  |
| Heebner      | 2809 | -1020 |  |  |
| Lansing      | 2941 | -1152 |  |  |
| Muncie Shale | 3085 | -1296 |  |  |
| Hush. Shale  | 3191 | -1402 |  |  |
| ВКС          | 3208 | -1419 |  |  |
| Arbuckle     | 3226 | -1437 |  |  |

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

March 27, 2013

John Niernberger Ritchie Exploration, Inc. 8100 E 22ND ST N # 700 BOX 783188 WICHITA, KS 67278-3188

Re: ACO1 API 15-159-22692-00-00 Schlicht Trust 1 SE/4 Sec.06-18S-10W Rice County, Kansas

**Dear Production Department:** 

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, John Niernberger

# ALLIED OIL & GAS SERVICES, LLC 059177

|   | Federal Tax I.D.  |   |
|---|---|---|
|   | REMIT TO P.O. BOX 93999<br>SOUTHLAKE, TEXAS 76092   | SERVICE POINT:<br>Great-Bund  |
|   | DATE 12-6-12 6 185 10W 2  | LLED OUT ON LOCATION JOB START JOB FINISH<br>/3 00 PM 6:00 PM 7:41 PM 81 15 PM<br>COUNTY STATE  |
|   | LEASE Schlubt WELL # LOCATION 281 N. 3<br>OLD OR NEW Circle one) 200 rd 5   | 2025, 15GN, 4E, Pince KS<br>2.01 4,3  |
|   | CONTRACTOR Antenne Lixplacetrics  | OWNER Ritchie Exploration   |
|   | TYPE OF JOB     Survey       HOLE SIZE     121/4     T.D.     322       CASING SIZE     85/2     DEPTH     311       TUBING SIZE     DEPTH     311       DRILL PIPE     DEPTH       TOOL     DEPTH       PRES. MAX     560       PASL LINE     SHOE JOINT 20' | CEMENT<br>AMOUNT ORDERED <u>200 5×5 C.1655 A1</u><br><u>346 Calcium Chlonde</u> , 246 Gell<br>COMMON <u>200 @ 11.90 3,580.00</u><br>POZMIX <u>@ 23.40 93.60</u>   |
| ţ | CEMENT LEFT IN CSO. 20 1<br>PERFS.  | GEL         4         @ 23.40         43.60         448.00         440.00         440.00         440.00         40.00         40.00         40.00 |
|   | DISPLACEMENT 18.5 6615  | ASC@@   |
|   | EQUIPMENT   | @   |
|   | PUMPTRUCK CEMENTER Land Holgerin  | @   |
|   | # 224 HELPER Josh JSGG( 2)<br>BULK TRUCK 2  | @   |
|   | # 341 DRIVER Alen Genereux 2  | @   |
|   | BULK TRUCK<br># DRIVER  | HANDLING 24.29 @ 2.48 536.35  |
|   |   | MILEAGE 9.87 × 25 @ 240   |
|   | REMARKS:  | 3007845.<br>3.11 lo. 45.<br>3.11 lo. 45.<br>5.249.60  |
|   |   | DEPTH OF JOB  |
|   |   | PUMP TRUCK CHARGE 1612.25   |
|   |   | MILEAGE <u>HV M 25 @ 7.70 192.50</u>  |
|   |   | MANIFOLD @ 4.40 11.0.00   |
|   |   | @   |
|   | CHARGETO: Ritchie Exploration   | TOTAL 1,814.75  |
|   | STREET  |   |
|   | CITYSTATEZIP  | PLUG & FLOAT EQUIPMENT  |
| t |   | ······································  |
|   |   | @   |
|   | To: Allied Oil & Gas Services, LLC.<br>You are hereby requested to rent cementing equipment   | @   |
|   | and furnish cementer and helper(s) to assist owner or   | @   |
|   | contractor to do work as is listed. The above work was<br>done to satisfaction and supervision of owner agent or  | TOTAL   |
|   | contractor. I have read and understand the "GENERAL   | SALES TAX (IF Any) 300,82   |
|   | TERMS AND CONDITIONS" listed on the reverse side.   | TOTAL CHARGES \$7,114125  |
|   | PRINTED NAME William Dankers  | DISCOUNT 25% 1, 778, 56 IF PAID IN 30 DAYS  |
|   | PRINTED NAME William Sanders  | \$5,335.69  |
|   |   |   |

R

|                 | DNSOLID.<br>H Well Service |   |  |                  |           | TICKET NUMB     | ER <u>3</u><br>Daktey<br>Lethy G | 9188<br>(,KS<br>96e(              |
|-----------------|----------------------------|---|--|------------------|-----------|-----------------|----------------------------------|-----------------------------------|
| PO Box 884, Ch  | anuta KS 667               | 20 FIE  | LD TICKE   | T & TREA         | TMENT REP | ORT             | • /                              | ·                                 |
| 620-431-9210 of | r 800-467-8676             | }   | and the second   | CEMEN            | T         |                 |                                  | K5                                |
| DATE            | CUSTOMER #                 | WEL   | NAME & NUM   | BER              | SECTION   | TOWNSHIP        | RANGE                            | COUNTY                            |
| 12-13-12        | 7173/                      | Schli   | ct trus  | t #1             | 16        | 18              | 10                               | Rice                              |
| CUSTOMER        | itchie                     |   |  | Clathin-         | TRUCK #   | DRIVER          | TRUCK #                          | DRIVER                            |
| MAILING ADDRES  |                            | And and the second s | and a state of the | 1/2 5            | 399       | 579monM         |                                  |                                   |
|                 |                            |   | _  | WAN.             | 4160      | Travish?        |                                  |                                   |
| CITY            |                            | STATE   | ZIP CODE   | into             |           |                 |                                  |                                   |
|                 | <u>ა</u> გ                 | HOLE SIZE   | 718  | <br>_ HOLE DEPTI | H_33/01   | CASING SIZE & W | /EIGHT <u>5½</u>                 | 215.54                            |
| CASING DEPTH_   |                            | DRILL PIPE  | •  | TUBING           |           |                 | OTHER                            |                                   |
| SLURRY WEIGH    |                            | SLURRY VOL  |  | WATER gal/s      | sk        | CEMENT LEFT in  | CASING <u>4//</u>                | <u>&gt;</u> *                     |
|                 | 7-3/4                      |   | IT PSI   | MIX PSI          |           | RATE            |                                  | · · · · · · · · · · · · · · · · · |
| REMARKS:        | Potr mos                   | 17.0N 2+  | an flog-   | Lequit           | TEND .    | er cent 1       | 2, 3, 5,7                        | 10                                |
| BOSKEY-H        | 7 <u>pqp</u>               | pipe "  | MH: 30   | -on-1            | DOOKea    | 40 +0 C         | sincula<br>15 par                | 5# Kol-s                          |
| feleage         | d Plug                     |   | laced  | 10170            | 72661     | with 10         | 200#+1,-                         | f++P149                           |
| landed          | @150                       | O rele  | ased   | Diess            | sure fl   | oothe           | 10,000                           | shed out                          |
| PUMP            | Aline                      | s, rig  | yed d  | àwn              |           | ч<br>           | -                                | in in                             |

1 . A. A

\_\_\_\_\_

| ACCOUNT<br>CODE | QUANITY or UNITS | DESCRIPTION of SERVICES or PRODUCT |             | TOTAL      |
|-----------------|------------------|------------------------------------|-------------|------------|
| 5401P           |                  | PUMP CHARGE                        | 270000      | 270000     |
| 5406            | 30               | MILEAGE                            | 500         | 50         |
| 1126            | 210 5KS          | OWC                                | 7.255       | 4173550    |
| MOA             | 1050#            | Kol-Seal                           | 072         | 58850      |
| N46             | 29#              | CAF-38                             |             | 28188      |
| N37             | L19#             | CD7-26                             | 969_        | 4-174/81   |
| 5407 A          | 9:87             | Ton mileage delivery               | 167         | 1/94/20    |
| 41203           |                  | 51/2 Guide Shore (I)               | 19300       | 19300      |
| 12203           | }                | 51/2 AFU TUSOFT (I)                | 2000        | 20600      |
| 4136            | k                | 5/2 typolizer (P)                  | 7200        | 4/3200     |
| 1104            | 1                | 51/2 bosket (7)                    | 27600       | 27600      |
| 1144G           | 500gal           | mudflush                           | ,00         | E a 00     |
| 4406            |                  | 5/2 rubber plug                    | 8800-       | 88         |
| t/u             | 100#             | 501-1-                             |             | NC         |
|                 |                  |                                    |             | 09         |
| -               |                  |                                    |             | 11,119 82  |
|                 |                  | C. Oleve Zess                      | bodisc      | 11.11 99 - |
|                 |                  | •                                  |             | 10/007 90  |
|                 |                  |                                    | ESTIMATED   | 5/0.83.    |
| Ravin 3737      | m / Hn/I         | 61-11                              | TOTAL       | 10518-731  |
|                 |                  | 12 TITLE 17/13/12                  | DATE / 2 -/ |            |

A UNORIZION\_\_\_\_\_\_ 67// 1 \_\_\_\_\_\_ INTE\_\_\_\_ 1000 - 10000 - 10000 - 1000 - 1000 - 1

255354

# Adam Eldani Geo-Log/Report WellSight Systems

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name:#1 Schlict Trust<br/>Location:6-18S-10W Rice County, KsLicense Number:API 15-159-22692Region:KANSASSpud Date:12/6/2012Drilling Completed:12/13/2012Surface Coordinates:2305' FSL & 660' FELContent of the second s

Bottom Hole Deviation Surveys are detailed through out the Geo-Report. Coordinates: Ground Elevation (ft): 1780' K.B. Elevation (ft): 1789' Logged Interval (ft): 2100 To: 3308 Total Depth (ft): 3310 Formation: Arbuckle Type of Drilling Fluid: Mud-Co Chemical Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.cor

### **OPERATOR**

Company: Ritchie Exploration Inc. (drilled by Southwind Rig #2) Address: 8100 E. 22nd ST. N. #700 Wichita, KS, 67278-3188

### GEOLOGIST

Name: Adam M.A. Eldani Company: Ritchie Exploration Inc. Address: 8100 E. 22nd ST. N. #700 Wichita, KS, 67278-3188

#### **TOPS & DRILL REPORT**

TOPS:

Sample Tops:

AnhydriteNA B/Anhydrite NA Stotler 2270'-481 Topeka 2555'-766 Heebner 2809'-1020 Lansing 2941'-1152 Muncie Shale 3085'-1296 Hush. Shale 3191'-1402 BKC 3208'-1419 Arbuckle 3226'-1437 RTD 3310'-1521

E-Log Tops:

Anhydrite542'+1247 B/Anhydrite 564'+1225 Stotler2267'-478 Topeka2550'-761 Heebner2806'-1017 Lansing2938'-1149 Muncie Shale 3084'-1295 Hush. Shale 3192'-1403 BKC 3214-1425 Arbuckle3223'-1434 LTD 3308'-1519

DAILY DRILLING REPORT @ 7am:

12/06 0276' 12/07 0688' 12/08 2273' 12/09 2824' 12/10 3026' 12/11 3171' 12/12 3231' 12/13 3310'

Misc. Info.

All DST's info. are NEAR the correct log depth.

RIG: Southwind Drilling #2 DRILLPIPE: 4-1/2" XH

**TOOLPUSHER: Bill Sanders** 

MUD: MUDCO (Rick Hughes) GAS DETECTOR: None DRILL STEM TESTS: Trilobite Testing LOGS: Nabors (Cappellucci)

COMPANY REP: Scott Boeh OFFICE: Peter Fiorini

#### Comments

SURFACE Casing: 8 5/8" @ 321'

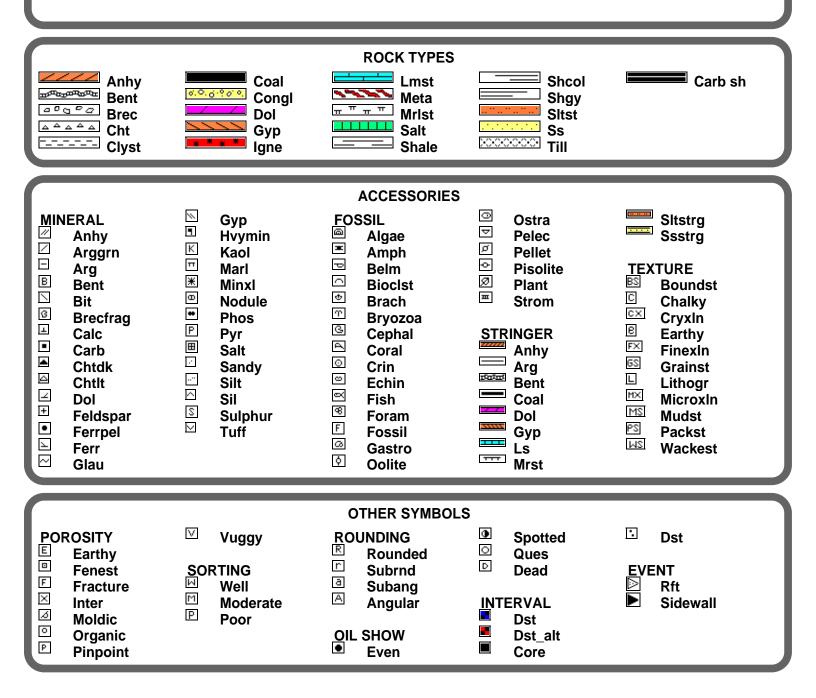
Well Log Surveys by Nabors: Dual Inductio/ Compensated Density LOG

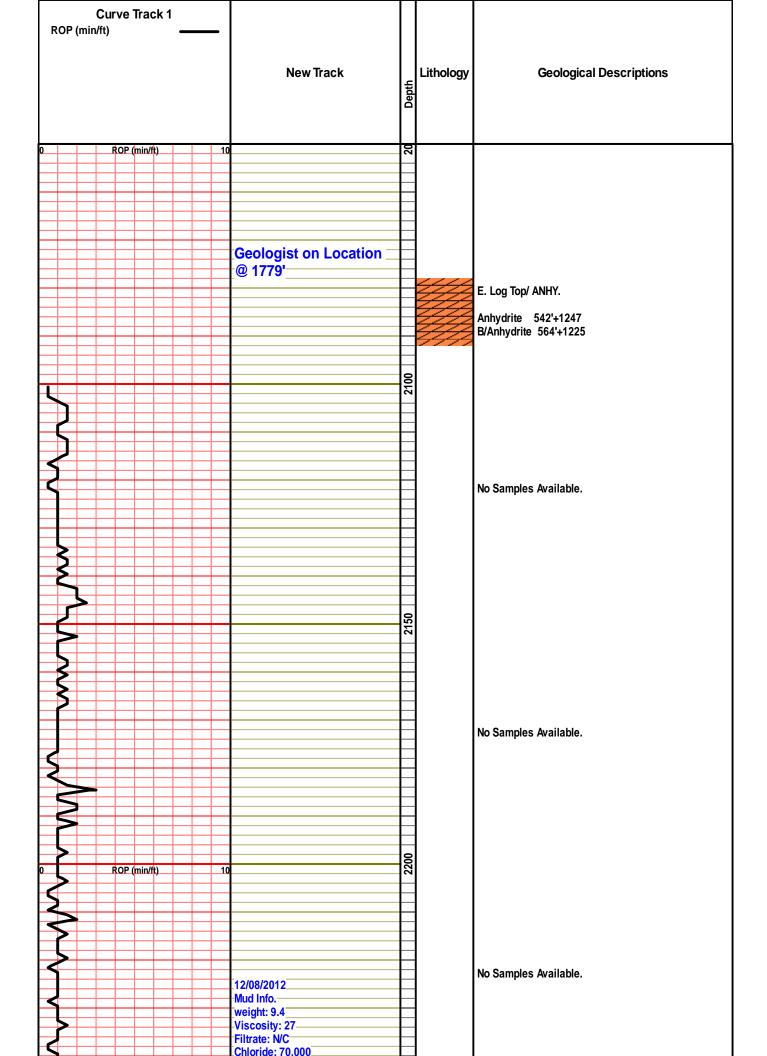
STRUCTURALLY, THIS WELL RAN LOWER TO OFFSET, SHOWS WERE TESTED.

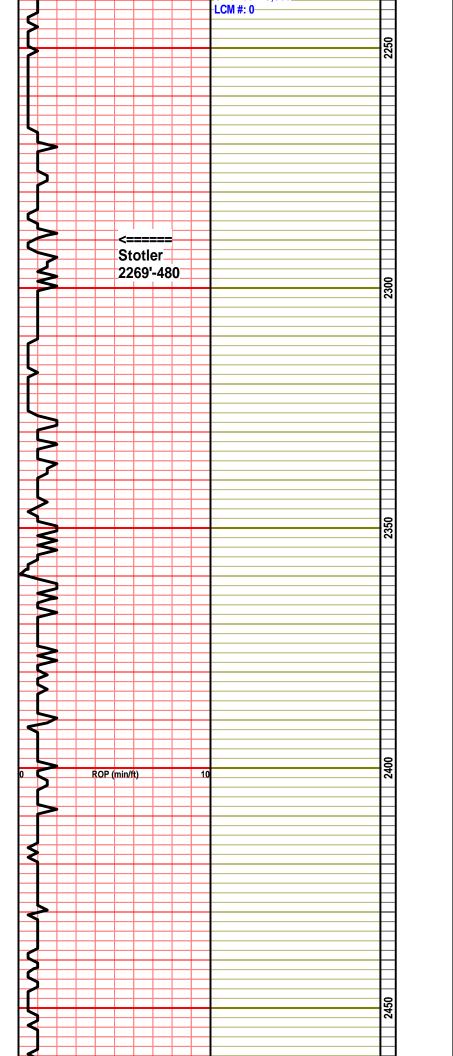
After SAMPLE LOGGING, MUD LOGGING, ELECTRIC LOGGING, AND Drill Stem Results. THIS WELL IS SET FOR FURTHER TESTING.PRODUCTION CASING: (5 1/2") WAS SET ON #1 Schlict Trust FOR COMMERICAL QUANTITIES OF OIL AND GAS.

SAMPLES WILL BE DEPOSITED WITH KANSAS GEOLOGICAL SURVEY.

RESPECTFULLY SUBMITTED Adam M. A. Eldani





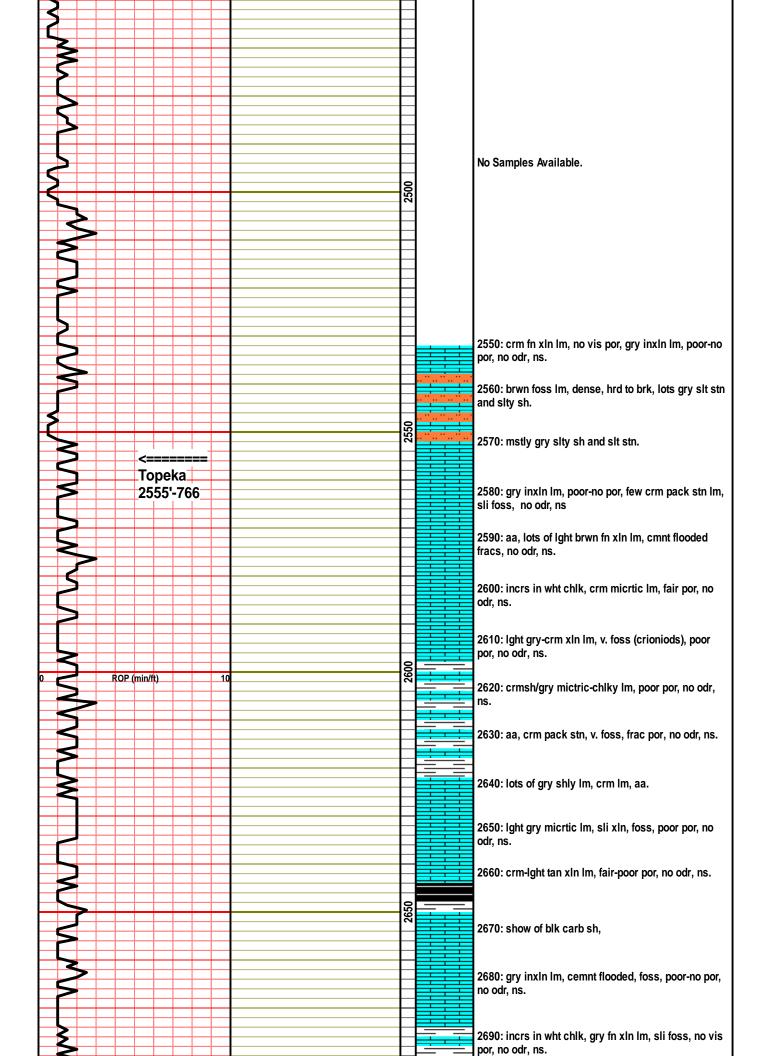


No Samples Available.

No Samples Available.

No Samples Available.

No Samples Available.



|          |  |         |       |    |  |      | 2700, incre in any children in arm labt brun invin im   |
|----------|--|---------|-------|----|--|------|---|
|          |  |         |       |    |  |      | 2700: incrs in gry sh, incrs in crm-lght brwn inxln lm,   |
|          |  |         |       |    |  |      | poor inxin por, no odr, ns.   |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    |  |      | 2710: aa, incrs in tan pack stn Im, poor intr prtcl por,  |
|          |  |         |       |    |  | 0    |   |
|          |  |         |       |    |  | 2700 | no odr, ns.   |
|          |  | _       | ++    |    |  | 3    |   |
|          |  |         | + +   |    |  | _    |   |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    |  |      | 0700, arm tan invin in a amut floadad, naar nar aru   |
|          |  |         |       |    |  |      | 2720: crm-tan inxIn Im, cemnt flooded, poor por, gry  |
|          |  |         |       |    |  |      | foss Im w/ poor-fair frac por, no odr ,ns.  |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    |  |      | 2730: crm-lght gry micrtic Im, sli xIn, poor por, no  |
|          |  | _       | + +   |    |  |      |   |
|          |  | _       |       |    |  |      | odr, ns.  |
|          |  |         |       |    |  |      | ,   |
|          |  |         |       |    |  | 60   |   |
|          |  |         |       |    |  |      | 2740: show of blk carb sh, v. Ight gry inxln Im, cemnt  |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    |  |      | flooded, poor-no por, no odr, ns.   |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    |  | 100  | 2750: v. Ight gry-Ight brwn inxIn Im, cemnt flooded,  |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    |  | 80   | poor-no por, no odr, ns.  |
|          |  | _       | + +   |    |  | 00   |   |
|          |  | _       |       |    |  |      |   |
|          |  | _       |       |    |  |      | 2760: incrs in gry sh, mstly lght gry mictric lm, sli   |
|          |  |         |       |    |  |      |   |
|          |  |         | +     |    |  |      | xIn/ sli foss, poor por, no odr, ns.  |
|          |  |         |       |    |  |      | 1   |
|          |  |         |       |    |  | 5    |   |
|          |  |         |       | -  |  | 2750 | 1   |
|          |  |         |       |    | DST #1: 2717' - 2824'  | j))  | <br>2770: incrs in gry, maroon sh, lots of micrtic Im, lots   |
|          |  |         |       | _  |  |      |   |
|          |  |         | +     | _  | (Queen Hill)   |      | <br>of brwn-gry inxIn Im, poor inxIn por, no odr, ns.   |
|          |  | _       | + +   |    |  | 100  |   |
|          |  | _       | +     | _  | Rec: 188' gas in pipe —  |      | <br>1   |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    | and 58' mud.   | 00   |   |
|          |  |         |       |    |  | 80   | 2700, arm invin im face, near no ner inere in   |
|          |  |         |       |    |  |      | 2780: crm inxIn Im, foss, poor-no por, incrs in   |
|          |  |         |       |    |  |      | grsh-crmsh chert, no odr, ns  |
|          |  |         |       |    | IFP:29-32#/30"   |      | <b>5</b> ,,,,,,   |
|          |  |         |       |    |  |      |   |
|          |  |         |       |    | ISIP: 600#/45"   |      | 2700, dels any area in ate les fair internetal par about of   |
|          |  |         |       |    |  | 00   | 2790: drk gry grain stn Im, fair intr prtcl por, show of  |
| - 2      |  |         | + +   |    | FFP:28-41#/45" —   | 00   | v. Ight brwn oil, fair-strng odor upon break.   |
|          |  | _       |       |    |  |      | i igni i ini on, i i on ig ouor opon i ouni   |
|          |  | _       | ++    |    | FSIP:629#/60"  |      |   |
|          |  |         |       |    |  | 100  |   |
|          |  |         |       |    |  |      | 0000, fair and main an lar will fair interruted man will a  |
|          |  |         |       |    |  |      | 2800: few crm grain stn lm, w/ fair intr prtcl por, w/ a  |
|          |  |         |       |    |  |      | sight shw of free oil, strong odr, when broken, mstly   |
|          |  |         |       |    |  |      |   |
|          |  |         | 1 1   |    |  |      |   |
| 2        |  |         | +     |    |  |      | tan fn xln lm, no vis por.  |
| 3        |  |         |       |    |  |      | tan fn xIn Im, no vis por.  |
| Ž        |  |         |       |    |  |      | tan fn xIn Im, no vis por.  |
| ξ        |  |         |       |    |  | 0    | tan fn xIn Im, no vis por.<br>2810: brwn fn xIn Im, no vis por, lots of wht chrt,   |
| Ž        |  |         |       | 40 |  | 800  | tan fn xIn Im, no vis por.  |
| <u>ک</u> | ROP (min/ft)                           |         |       | 10 |  | 2800 | tan fn xIn Im, no vis por.<br>2810: brwn fn xIn Im, no vis por, lots of wht chrt,   |
| <u>}</u> | ROP (min/ft)                           |         |       | 10 |  | 2800 | tan fn xIn Im, no vis por.<br>2810: brwn fn xIn Im, no vis por, lots of wht chrt,<br>gry-crm inxIn Im, poor-no por, no odr, ns.   |
|          | ROP (min/ft)                           |         |       | 10 |  | 2800 | tan fn xln lm, no vis por.<br>2810: brwn fn xln lm, no vis por, lots of wht chrt,<br>gry-crm inxln lm, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry  |
| ₹<br>₹   | ROP (min/ft)                           |         |       | 10 |  | 2800 | tan fn xln lm, no vis por.<br>2810: brwn fn xln lm, no vis por, lots of wht chrt,<br>gry-crm inxln lm, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry  |
|          | ROP (min/ft)                           |         |       | 10 |  | 2800 | tan fn xIn Im, no vis por.<br>2810: brwn fn xIn Im, no vis por, lots of wht chrt,<br>gry-crm inxIn Im, poor-no por, no odr, ns.   |
|          |  |         |       | 10 |  | 2800 | tan fn xln lm, no vis por.<br>2810: brwn fn xln lm, no vis por, lots of wht chrt,<br>gry-crm inxln lm, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry  |
|          | ROP (min/ft)<br><======                | ==<br>r |       | 10 |  | 2800 | tan fn xln lm, no vis por.<br>2810: brwn fn xln lm, no vis por, lots of wht chrt,<br>gry-crm inxln lm, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry  |
|          | <===================================== |         |       | 10 |  | 2800 | tan fn xln lm, no vis por.<br>2810: brwn fn xln lm, no vis por, lots of wht chrt,<br>gry-crm inxln lm, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry  |
|          |  |         |       | 10 |  | 2800 | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.  |
|          | <===================================== | )20     |       |    | 30MIN: lots of blk carb sh. laht grv   | 2800 | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,  |
|          | <===================================== | )20     |       |    | 30MIN: lots of blk carb sh, lght gry   | 2800 | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.  |
|          | <===================================== | )20     |       |    | -fn xIn Im w/ fenestral por w/ a   | 2800 | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,  |
|          | <===================================== | )20     | cfs @ |    | -fn xIn Im w/ fenestral por w/ a   | 2800 | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.  |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in _  |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.  |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln lm, poor  |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght   |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in _  |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.   |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln lm, poor  |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.   |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln lm, poor  |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.<br>2850: drk crm micrtic Im, prtly xln, poor por, no odr,   |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln lm, poor  |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.   |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln lm, poor  |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> </ul>   |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln lm, poor  |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of Ight gry<br>chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.<br>2850: drk crm micrtic Im, prtly xln, poor por, no odr,   |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln lm, poor  |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln lm w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln lm, poor  |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> </ul>   |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.  |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.  |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br>Straight Hole Survey:   |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry<br>chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.<br>2850: drk crm micrtic Im, prtly xln, poor por, no odr,<br>ns.<br>2860: incrs in aqua & greensh/gry sh, crm-lght brwn<br>inxln Im, hrd to brk, poor por, no odr, ns.  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br>Straight Hole Survey:   |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry<br>chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.<br>2850: drk crm micrtic Im, prtly xln, poor por, no odr,<br>ns.<br>2860: incrs in aqua & greensh/gry sh, crm-lght brwn<br>inxln Im, hrd to brk, poor por, no odr, ns.  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.  | 2850 | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br>Straight Hole Survey:   |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry<br>chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.<br>2850: drk crm micrtic Im, prtly xln, poor por, no odr,<br>ns.<br>2860: incrs in aqua & greensh/gry sh, crm-lght brwn<br>inxln Im, hrd to brk, poor por, no odr, ns.  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br>Straight Hole Survey:   |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry<br>chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.<br>2850: drk crm micrtic Im, prtly xln, poor por, no odr,<br>ns.<br>2860: incrs in aqua & greensh/gry sh, crm-lght brwn<br>inxln Im, hrd to brk, poor por, no odr, ns.  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br>Straight Hole Survey:   |      | tan fn xln Im, no vis por.<br>2810: brwn fn xln Im, no vis por, lots of wht chrt,<br>gry-crm inxln Im, poor-no por, no odr, ns.<br>2820: inrs in gry sh, few blk carb sh, lots of lght gry<br>chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.<br>2830: lots of gry sh & slt stn, drk crm fn xln Im,<br>dense, foss, no odr, ns.<br>2840: crm-gry-tan foss Im, prtly xln, poor por, slght<br>odr, ns.<br>2850: drk crm micrtic Im, prtly xln, poor por, no odr,<br>ns.<br>2860: incrs in aqua & greensh/gry sh, crm-lght brwn<br>inxln Im, hrd to brk, poor por, no odr, ns.  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br>Straight Hole Survey:   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br>Straight Hole Survey:   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of Ight gry chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br>Straight Hole Survey:<br>0.75 Degree.<br>12/09/2012 12/10/2012  |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of Ight gry chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br>Straight Hole Survey:   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>sight sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxin Im, poor<br>inxin por, ns, v. sight odr<br><b>Straight Hole Survey:</b><br>0.75 Degree.<br>12/09/2012<br>12/10/2012<br>Mud Info.<br>Mud Info.   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of Ight gry chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>sight sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. sight odr.<br><b>Straight Hole Survey:</b><br>0.75 Degree.<br>12/09/2012<br>12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>Weight: 9.1<br>Viscosity: 55<br>Viscosity: 46   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of Ight gry chrt, mstly Ight brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>Weight: 9.0<br>Weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2                   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>Weight: 9.0<br>Weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2                   |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> <li>2900: mstly gry slt stn &amp; slty sh, brwn cors xln Im,</li> </ul>                                      |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> </ul>  |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> <li>2900: mstly gry slt stn &amp; slty sh, brwn cors xln Im,</li> </ul>                                      |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> <li>2900: mstly gry slt stn &amp; slty sh, brwn cors xln Im,</li> </ul>                                      |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> <li>2900: mstly gry slt stn &amp; slty sh, brwn cors xln Im, cemnt flooded, poor por, no odr, ns.</li> </ul> |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> <li>2900: mstly gry slt stn &amp; slty sh, brwn cors xln Im, cemnt flooded, poor por, no odr, ns.</li> </ul> |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> <li>2900: mstly gry slt stn &amp; slty sh, brwn cors xln Im,</li> </ul>                                      |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> <li>2900: mstly gry slt stn &amp; slty sh, brwn cors xln Im, cemnt flooded, poor por, no odr, ns.</li> </ul> |
|          | <===================================== | )20     |       |    | fn xln Im w/ fenestral por w/ a<br>slght sfo, fair odr. 60MIN: incrs in<br>aqua & gray sh, tan inxln Im, poor<br>inxln por, ns, v. slght odr.<br><b>Straight Hole Survey:</b><br><b>0.75 Degree.</b><br>12/09/2012 12/10/2012<br>Mud Info.<br>weight: 9.0<br>weight: 9.1<br>Viscosity: 55<br>Viscosity: 46<br>Filtrate: 6.4<br>Filtrate: 7.2<br>Chloride: 5700 |      | <ul> <li>tan fn xln Im, no vis por.</li> <li>2810: brwn fn xln Im, no vis por, lots of wht chrt, gry-crm inxln Im, poor-no por, no odr, ns.</li> <li>2820: inrs in gry sh, few blk carb sh, lots of lght gry chrt, mstly lght brwn inxln Im, poor-no por, no odr, ns.</li> <li>2830: lots of gry sh &amp; slt stn, drk crm fn xln Im, dense, foss, no odr, ns.</li> <li>2840: crm-gry-tan foss Im, prtly xln, poor por, slght odr, ns.</li> <li>2850: drk crm micrtic Im, prtly xln, poor por, no odr, ns.</li> <li>2860: incrs in aqua &amp; greensh/gry sh, crm-lght brwn inxln Im, hrd to brk, poor por, no odr, ns.</li> <li>2870: aa, incrs in gry sh &amp; slt stn.</li> <li>2880: mst of try lght-drk gry slt stn, incrs in gry foss chrt, no odr, ns.</li> <li>2890: aa, crm foss prtly xln Im, poor por, no odr, ns.</li> <li>2900: mstly gry slt stn &amp; slty sh, brwn cors xln Im, cemnt flooded, poor por, no odr, ns.</li> </ul> |

| 0.16.8 P1 Mission       Pace-to por, no odi; ns.         0.27 B3: 2282 - 3026 (UC Va. 4, C. P. C  |               |
|---|---------------|
| 0, E. & F. P. Recovered GTS in 22<br>minutes on initiation, 35% year, 30%,<br>ges, 60%, mody, 18% and and<br>25% of all of 25% and all of 25% and all of 25% and<br>25% of all of 25% and all of 25% and all of 25% and<br>25% of all of 25% and all of 25% and all of 25% and<br>25% of all of 25% and all of 25% and all of 25% and<br>25% of all of 25% and all of 25% and<br>25% of all of 25% and all of 25% and<br>25% of all of 25% and all of 25% and<br>25% of all of 25% and all of 25% and<br>25% of all of 25% and all of 25% and<br>25% of all of 25% and<br>25% of all of 25% and 25% and<br>25% of all of 25% and<br>25%   |               |
| minutes on initial open, 35° water<br>out gass yoil at (9% water, 30°)<br>gass yoil at water (3% mud.<br>28°) minut (1% mud. |               |
| 1           | a no odr      |
| Use 50% mod, 199 mod and 20%         2340: dtk tan cors xin im, foss (crito disks) to 25% mod, 95% water), 25% mod and agrey oil cut water (35% mod, 95% water), 25% mod and 25% mod and 25% mod and 25% water), 25% mod and 25% m  | a, no ou      |
| 29% cil. dy% gil. dy% gil   |               |
| 20% cml dag dags y oil cut where (sk) with exact show of thom oil, where were show of thom oil, where were show of thom oil, and only show and y constraints of the show of y.       2940: cht kan cors xin lm, where show of thom oil, where show of y cors shifts who y vight bow not in the show of y.         2941:1152       300MN: cmr-drk cm xin lm, fair of the show of y.       2950: loss of gy sit sh as h, lm aa, few gy the show of y.         2943: diright bow noting the show of y.       2940: cht kan cors xin lm, wir vuggy por, light show of y.       2940: cht kan cors xin lm, wir vuggy por, light show of y.         2945: light bow noting high floor, string of the show of y.       2940: cht kan cors xin lm, wir vuggy por, light show of y.       2940: cht kan cors xin lm, wir vuggy por, light show of y.         2945: light bow noting high floor, string of the show of y.       2940: cht kan cors xin lm, wir vuggy por, light show of the show of bow oil, light bow noting high floor, string of the show of y.       2940: cht kan cors xin lm, wir vuggy por, show of y.         2945: light bow noting high light show of y.       2940: cht kan cors xin lm, wir vuggy por, show of y.       2940: cht kan cors xin lm, wir vuggy por, show of y.         2946: cht kan cors xin lm, wir vuggy por, show of y.       2940: cht kan cors xin lm, wir vuggy por, show of y.       2940: cht kan cors xin lm, some wir vuggy por, show of y.         2940: cht kan cors xin lm, wire show of y.       2940: cht kan cors xin lm, some wire show of y.       2940: cht kan cors show of thom coil, liaristin dor.         <  |               |
| 232 mud and gasy oil cut water<br>(% mud, 19% water),<br>mud, 39% water),<br>197:109252/14/01/SIR-316/60       W (enestral por, W a weak show of brunn oil,<br>(% mud, 19% water),<br>197:109252/14/01/SIR-316/60         2460:1055:0120       20000:1055:0120       2500:1055:0120         2500:1055:0120       20000:1055:0120         2500:1055:0120       20000:1055:0120         2500:1055:0120       20000:1055:0120         2500:1055:0120       20000:1055:0120         2500:1055:0120       20000:1055:0120         2500:1055:0120       20000:1055:0120         2500:1055:0120       20000:1055:0120         2500:1055:0120       2000:1055:0120         2500:1055:0120       2000:1055:0120         2500:1055:0120       2000:1055:0120         2500:1055:0120       2000:1055:0120         2500:1055:0120       2000:105:0120         2500:1055:0120       2000:105:0120         2500:1055:0120       2000:105:0120         2500:1055:0120       2000:105:0120         2500:1055:0120       2000:105:0100         2500:1055:0120       2000:105:0100         2500:1055:01000       2000:105:0100         2500:1055:01000       2000:105:0100         2500:1055:01000       2000:105:01000         2500:1055:01000       2000:105:01000         2500:  | two chos      |
| A water) and 252 mud cut water (5%. mud, 95%. water).         2950: tots of gry sit sin & sh, im aa, few gry 3 th child sites, in o df, nsto.           2950: tots of gry sit sin & sh, im aa, few gry 3 th child sites, in o df, nsto.         2950: tots of gry sit sin & sh, im aa, few gry 3 th child sites, in o df, nsto.           2950: tots of gry sit sin & sh, im aa, few gry 3 th child sites, in o df, nsto.         2950: tots of gry sit sin & sh, im aa, few gry 3 th child sites, in o df, nsto.           2950: tots of gry sit sin & sh, im aa, few gry 3 th child sites, in o df, nsto.         2950: tots of gry sit sin & sh, im aa, few gry 3 th child sites, in o df, nsto.           2960: tots of gry sit sin & sh, im aa, few gry 3 th child sites, in o df, nsto.         2960: tots of gry sh, tan fin in w / lengest bit port, shild sites, in o df, nsto.           2960: tots of gry sit sin & shild sites of tots, of finan, df in col cast, port, shild site mod.         2960: tots of gry sh, tan finan df, fair setting odf.           2960: tots of gry sh, tan finand tots, shild child sites, in o df, streed tot, of tots, fair setting odf.         2980: tot cast im w a good shild off fair setting odf.           2980: tots of gry sh, tan finand tots, shild child sites, fair-seting odd.         2980: tot cast im w a good shild site mode and in a set shild site from ol in a site sets in m, set set set m, set set in m, set set set m, set set m, set s   |               |
| Comments       1990 - 100 st million         Comments       100 st million  |               |
| Commentation       1000 cm       1000 cm </td <td></td>   |               |
| c=================       FPP-257-3884/30*FSIP-91884/60*       dfk oliy stns, no odr, nsfo.         29411-1152       30MWE crm-drk crm xin Im, fair<br>femestal-way poyr, sthw of xin fair odd, strag floor, strag odr.       2970: incrs in gy sh, tan fa xin Im w fenest<br>poyr, sight shw of V. light olin, clear of flour,<br>fair-strag odr.       2980: tan ool Im, wi zeclear odd, strag floor, strag odr.         2980: tan ool Im, wi zeclear odd, loss of flour,<br>fair-strag odr.       300MWE tan ool Im wi fair od cast<br>pop-re floor, fair-strag odr.       2980: tan ool Im, wi zeclear odd, strag floor, strag odr.         2980: tan ool Im, wi zeclear odd, loss of flour,<br>fair-strag odr.       300MWE tan ool Im wi fair od cast<br>pop-re floor, fair-strag odr.       2980: tan ool Im, wi zeclear odd from strag<br>poorto por, fair-strag odr.         2980: col cast Im wi zeclear odd flour,<br>shw of brw or brw or thy poer-<br>poorto por, fair-strag odr.       3000: drk crm-light gry cors xin Im, some wi/<br>vugg/covern por, wi shw of brw or limm a.<br>tim, dense, no viš poer-<br>poorto por, so, sight odd from Im a.<br>3000: drk crm-light gry cors xin Im, some wi/<br>vuggy group and the broken, gry dk, crm inxin<br>Im, dense, no viš poer-<br>por, so, sight odd from Im a.<br>3020: gry-tan xin Im, semi flooded fracs,<br>in oil ishws, fair-strag odd.         3010: drk crm-light gry cors xin im, yoth gry cors, sight odd from Im Im, a.<br>3020: gry-tan xin Im, semi flooded fracs,<br>in oil ishws, fair-strag odd.         3020: drk crm-light gry cors xin im, xin im, yoth gry cors, sight drk from Im A.<br>1m, no cors, and xin im, poor-no bry, tos of chilk, terr<br>opro, fair im price docd. SUMWE drk ferec<br>gry dan xin Im, dense, no vis<br>por, nosfo, fair-str  | xin im, v     |
| Lansing       2941*1152         2941*1152       30MIK cm-drk cm sin im, fair - fenestral-vuggy por, show of v.         1       fenestral-vuggy por, show of v.         2       fenestral-vuggy por, show of v.         2       fair-modrate fenestral por, show of v.         2       fair-modrate fenestral por, show of v.         1       grosh-mor, fair-string odc.         2       grosh-mor, fair-string odc.         1       grosh-mor, fair-string odc.         2       fair-modrate mixth im, port-mor, fair-string odc.         3       fair-modrate  | -             |
| 2941'-1152       2960: crm cors xin lm, w'uggy por, lght shu cord cil, strag four, strag od.         2970: incrs in gry sh, tan fi xin lm w fenestr<br>fenestral-ward korn xin lm, strag<br>2980: tan col lm, w/ execint col cast por, slight shw of V. Ight oli, fair-strag od.         2980: tan col lm, w/ execint col cast por, slight shw of V. Ight oli, fair-strag od.         2980: tan col lm, w/ execint col cast por, slight shw of V. Ight oli, fair-strag od.         2980: tan col lm, w/ execint col cast por, slight shw of the work on cli, is strag dot.         2980: tan col lm, w/ execint col cast por, slight shw of the work on cli, is strag dot.         2980: tan col lm, w/ execint col cast por, slight shw of the work on cli, is strag dot.         2980: tan col lm, w/ execint col cast por, slight shw of the work on cli, is strag dot.         2980: tan col lm, w/ execint col cast por, slight shw of the work on cli, is strag dot.         2980: tan col lm, w/ execint col cast por, slight shw of the work por, nar, slight shw of the work por, slight shw of the work por, nar, slight shw of the work por, slight shw of the work por slight shw of the work por slight shw o  |               |
| P       P70: Incrs in gry sh, tan f xin im w/ feesting od:         ip the two win high four xin grands       P07: sight shw of V. light air, fair-string od:         ip the two win di, tos of four,       Fire and the two diverses         ip the two win di, tos of four,       Fire and two diverses         ip the two windi, tos of four,       Fire and two diverses         ip the two windi, tos of four,       Fire and two diverses         ip the two windi, tos of four,       Fire and two diverses         ip the two windi, tos of four,       Fire and two windi, tos of two diverses         ip the two mixin in, sil toss,       Fire and two diverses         op -report, air sthw of two noil,       Fire and two diverses         op -report, air sthw of two noil,       Fire and two diverses         op -report, air sthw, of two noil,       Fire and two diverses         op -report, air sthw, of two noil,       Fire and two diverses         op -report, air sthw, of two noil,       Fire and two diverses         op -report, air sthw, of two noil,       Fire and two diverses         op -report, air sthw, of two noil,       Fire and two diverses         op -report, air sthw, of two noil,       Fire and two diverses         op -report, air sthw, of two noil,       Fire and two diverses         op -report, air sthw, of two noil,       Fire and two dir two diverses     <   | w of bee      |
| Provide the second of V., including the second of V., including the second of V., including the second of the s   |               |
| processing       processing <td></td>   |               |
| cb @       cb White mean in minima in mini mini   | tral-vugg     |
| 2963       fair-moderate fenstral por, stw of<br>light provinoli, lots of flour,<br>fair-string out.       2980: tan ool im, w/ execint ool cast por, stw<br>oil, string od.         2980: col cast im w/ a good stw of free gasy<br>por, w/ fair stw of brun gist,<br>por, or bor, fair-string or 600ML<br>por, w/ fair stw of brun gist,<br>por-mo por, fair-string or 600ML<br>por, w/ string odr.       2990: col cast im w/ a good stw of free gasy<br>cum-ght brwn inxh im, yuggy por,<br>storm gast of string odr.         2988       stw of brun gast of its stm of brun gast of<br>gyrsh-cmr gast of string odr.       3000: drk cmr light gyr cors xln im, some w/<br>vuggy/cavern por, w/ stw of brwn oil, fair-stri<br>m, dense, no vis por.         3016       cfs @<br>3008       still introp of nis-string odr.         cfs @<br>3008       still introp or por, ns,<br>sight fair odr.       still introp or por, ns,<br>sight fair odr.         3018       the introp cors, storig odr.       3030: light gyr inxh im, semi flooded fracs,<br>in or in witchilk, na poo-no vis<br>gist fair odr.         3018       the introp cors, sto, fair-string<br>dor.       string drift, dr  |               |
| 2990: old cast in wile weechit old cast por, shw<br>fair-string odd.<br>3000: this can coll in wile fair coll cast<br>por, wil fair shur out provide, cast<br>por, wil fair shur out provide, cast<br>por, wil fair shur out provide, cast<br>por, will all shows, provide cast<br>porter in protein por, sho<br>shw of thrum gasty oil, string odf<br>when broken, gry chk cam lixting<br>cases, no vis por, and shur out yaggy por,<br>shw of thrum gasty oil, string odf<br>when broken, gry chk cam lixting<br>cases, no vis por, and shur out yaggy por,<br>shw of thrum gasty oil, string odf<br>when broken, gry chk cam lixting<br>cases, no vis por, and shur out yaggy por,<br>shw of thrum gasty oil, string odf<br>within broken, gry chk cam lixting<br>cases, no vis por, and shur out yaggy por,<br>shw of thrum gasty oil, string odf<br>within broken, gry chk cam lixting<br>shur of thrum gasty oil, string odf<br>shur of thrum shur in, poor-no<br>por, ns.<br>shur of the shur of thrum shur in, poor-no<br>por, ns.<br>shur of the shur of thrum shur in, poor-no<br>por, ns.<br>shur of the shur of thrum shur in, poor-no<br>por, ns.<br>shur of the shur of thrum   |               |
| 1       fairstring od:         30MIN: tan coll m w/ fair coll cast<br>pry, w/ fair stw of twm cit,<br>cm-sight brw inxt inin, sill cast<br>pro-no por, fairstring od: 00MIN:<br>cm-sight brw inxt inin, sill cast<br>pro-no por, fairstring od: 00MIN:<br>cm-sight brw inxt inin, sill cast<br>grysh-fair ogen inxtin<br>im, dense, no vis por.       3000: drk cm-light gry cors xin im, some w/l<br>vise broken, gry-drk cm inxtin<br>im, dense, no vis por, ns,<br>sight-fair odr from ina a.<br>s000: gry-tan xin im, semi flooded fracs,<br>s1ght-fair odr from oll m aa,<br>s000: gry-tan xin im, semi flooded fracs,<br>s1ght-fair odr from oll m aa,<br>s000: gry-tan xin im, semi flooded fracs,<br>in cil stws, fair-string odc.         0       Cfs @<br>s00MIN: clex crgry sh, tan-light brw<br>vise broken, gry-drk cred.<br>s1ght-fair odr from oll m aa,<br>s000: gry-tan xin im, semi flooded fracs,<br>fair odr.         0       Cfs @<br>s00MIN: crm-tan inxin im, poor-no<br>por, ns,<br>s1ght-fair odr.         0       Cfs @<br>s00MIN: crm-tan inxin im, poor-no<br>por, ns,<br>s1ght-fair odr.         0       Cfs @<br>s00MIN: incrs in grents in chik and chikly Im,<br>incrs in myth chik, tan pack stn Im,<br>s1ar odr.         0       S010: insting cast whenstri por, wid x,<br>s1ar odr.         0       S010: insting cast whenstri por, wid x,<br>s1ar odr.         0       S010: insting cast whenstri por, wid x,<br>s1ar odr.         0       S010: insting cast whenstri por, wid x,<br>s1ar odr.         0       S010: insting cast whenstri por, wid x,<br>s1ar odr.         0       S010: insting cast whenstri por, wid x,<br>s1ar odr.         0       S010: insting cast whenstri por, wid x,<br>s1ar odr.   | w of brw      |
| 30MIN: tan col im w/ fair col cast<br>por, w/ fair shw of brwn oil,<br>cm-gdy hrwn ixhl m, no vis por.       2990: col cast im w/ a good shw of free gasy<br>oil, incrs in drk cm fm kin lm, no vis por.         0       2988       grys-hcmmgain sin m, wuggy por,<br>shw of brwn gash y oil, string odr<br>when broken, gry drk cm inxh<br>im, dense, no vis por.       3000: drk cm-light gry cors xln im, some w/<br>vuggy/cavern por, w/ shw of brwn oil, fair-stri<br>shw of brwn gash y oil, string odr<br>when broken, gry drk cm inxh         0       ROP_modin       10         3000:       drsse, sobor-no por, ns.<br>slpth-fair odr from ool in na.<br>slpth-fair odr for ool in ma.<br>slpth-fair odr.         3010:       Igit gry inxln lm, semit flooded fracs,<br>no oil shws, fair-string odr.         3020:       grybin por or slpti  |               |
| 0r, wit fair stwo d twwo live, noil, sili tess, poor-no por, fair-stmg odr. 60MN: poor-no por, fair-stmg odr. 60MN: poor-no por, fair-stmg odr. 60MN: two d tww neil, fair-stmg odr. 60MN: two d tww neil, stmg odd       2990: col cast im w/ a good shw of free gasy oil, incrs in drik crm fn xili m, ovis poor-no por, fair-stmg odr. 60MN: two d tww neil, fair-stmg odr. 60MN: two d tww neil, fair-stmg odr. 60MN: two d tww neil, fair-stmg odr. 60MN: the stm od twm neil, fair-stmg odr. 60MN: the stm odr. 60MN: the stm odr. 60MN: the stm odr. 60MN: two d twm oil, fair-stmg odr. 60MN: the stm odr. 60MN: two d twm oil, fair-stmg odr. 60MN: the stm odr. 60MN: two d twm oil, fair-stmg odr. 60MN: the stm odr. 60MN: two d twm oil, fair-stmg odr. 60MN: the stm odr. 60MN: two d twm oil, fair-stmg odr. 60MN: the stm odr. 60MN: two d twm oil, fair stmg odr. 60MN: two d twm oil, fair stmg odr. 60MN: the stm odr. 60MN: two d twm oil, fair stmg odr. 60MN: two d two oil situes, fair odr. 60MN: two d two oil, fair odr. 60MN: two d two oil, fair odr. 60MN: two d two oil, fair odr. 60MN: fair odr. 60MN: fair odr. 60MN: fair odr. 60MN: fair stmg   |               |
| <ul> <li>child in the second program of the</li></ul>   | v brun        |
| 0       poor-no por, nis-strang odr. 60MN: cm       a         0       2988       shw of brwn gays oil, strag odr.       a         0       ROP (min/h)       19       30MN: tots of gry sh, tan-ight brwn, the mass, poor-no por, ns.       a         0       Cfs @       30MN: tots of gry sh, tan-ight brwn, tots, poor-no por, ns.       a       3000: drk crm-lght gry cors xln lm, some w/ i vuggy/cavem por, wi shw of brwn oil, fair-strag odr.         0       Cfs @       30MN: tots of gry sh, tan-ight brwn, price por, sos, strag odr.       a       a         0       Cfs @       30MN: tan pack stn lm, fair intr price por, sior, strag odr.       a       a       a         0       Cfs @       30MN: tan pack stn lm, fair intr price por, sior, strag odr.       a       a       a       a         0       Cfs @       30MN: tan pack stn lm, fair intr price por, sio, fair-strag odr.       a  | y DIWII       |
| 2988       stw of brwn gasy oil, strag odr<br>when broken, gry-dik crm inkin<br>dim, dense, no vis por.       3000: dk crm-light gry cors xh lm, some w/<br>vugg/covern por, w/ shw of brwn oil, fair-str<br>yugg/covern por, m/ shw of brwn oil, fair-str<br>yugg/covern por, m/ shw of brwn oil, fair-str<br>sight-fair odr from ool im aa,<br>sight-fair odr.         3010: Ight gry inxln Im, seme w/<br>of fs @<br>sight gry-crm fn xl im, poor-no vis<br>por, ns, fair odr.       Im, sight gry-crm fn xl im,<br>poor no xis<br>por, ns, fair odr.         3026: gry sh, fair odr.       SUNN: inrers in chik and chiky Im,<br>show of oil.       Im, poor inxln por, ns, fair odr.         5080: Iots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.       3080: Iots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.         3081: Iots of gry and few bik carb sh, gry fn I<br>dense, no vis por, no odr, ns.       3080: Iots of chik, few lm chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.         30821: Iots of gry and few bik carb sh, gry fn I<br>dense, no vis por, no odr, ns.       30801: Iots of gry and few bik carb sh, gry fn I<br>dense, no vis por, no odr, ns.  |               |
| 2988       Siw of brun gasy oil, strig odr<br>when broken, gry-drk crm inxin<br>in, dr, poor, ns, sight odr from in aa.       3000: drk crm-lght gry cors xh im, some w/<br>vugg/cavern por, w/ shw of brun oil, fair-str<br>hrd, poor, ns, sight odr from in aa.         0       70       300NN: lois of gry sh, tan-lght pry<br>xh im, v. foss, poor-no por, ns,<br>sight-fair odr from ool im aa,<br>sight-fair odr.       3000: ight crm-lght gry cors xh im, some w/<br>vugg/cavern por, w/ sh w of brwn oil, fair-str<br>prot por, ns, fair odr.         0015       70       6       300NN: tan pack stn Im, fair imr<br>prot por, so, fair-stm<br>oddr.       3030: ight gry ixhi Im, semi foss dense, hrd to<br>3040: incrs in geenish-gry sh, drk crm fn xh<br>flooded fracs, few chps w/ fenstri por, w/ a v.<br>sins, fair odr.         3016       10       300NN: incrs in chik and chiky Im.<br>Ight gry-crm fn xh im, poor-no vis<br>por, ns, fair odr.       3060: mstly chik/ v. chiky smple, tan cors xh<br>vuggy por, ssfo, fair-strng odr.         3016       10       5       7       3087: fair odr.       30800: lots of chik, few im chps w/ shw aa, gr<br>im, poor inxin por, ns, fair odr.         3017: mstly chik/ v. chiky smple, tan cors xh<br>vuggy por, ssfo, fair-strng odr.       30801: lots of gry and few bik carb sh, gry fn 1<br>dense, no vis por, no odr, ns.         30887: L255: cfs @<br>Muncic Sh-<br>30887       308NN:   |               |
| when broken, gry-drk cm inxin       vuggy/cavern por, w/ shw of brwn oil, fair-str         n       Get Gill         a       Get Gill <td>/ bia</td>   | / bia         |
| 0       ROP (min/R)       10       30MIN: lots of gry sh, tan-ight brun sh, if in trong of rom sh, sight-air od from ool in aa, sight od from in aa, sight-air od from ool in aa, sight-air od  |               |
| cfs @       xh m, v, foss, poo-no por, ns, starting and the methan and the start and the  |               |
| cfs @       xhi m, w. foss. poor-no por, ns.       1         3008       sight-fair odr from ool im aa,<br>sight-fair odr from ool im aa,<br>por, ns.       3020: gry-jan xin im, semi foss dense, hrd to<br>2020: gry-jan xin im, semi foss dense, hrd to<br>2020: gry-jan xin im, semi foss dense, hrd to<br>3020: gry-jan xin im, semi foss dense, hrd to<br>3040: incrs in greenish-gry sh, drk crm fn xli<br>froded fracs, for drirstring odor.         3018       off se<br>price price p  | semi          |
| cfs @       Xin Im, V. toss, poor-no por, ns.       3020: gry-tan xin Im, semi foss dense, hrd to         3008       GMMk: crm-tan inxin Im, poor-no       5000         por, ns.       3000       GMMk: term-tan inxin Im, poor-no       5000         got in the price por, sigo, string odr. 600Nk:       in oil shws, fair-string oddr.       3040: incrs in greenish-gry sh, drk crm fin xil in crs in with chik, tan pack string oddr.         got of cfs @       3026: got of ms.       3040: incrs in greenish-gry sh, drk crm fin xil in crs in with chik, tan pack string oddr.         3026: got of ms.       3026: got of ms.       3040: incrs in greenish-gry sh, drk crm fin xil in cord.         3026: got of ms.       3026: got of ms.       3040: incrs in greenish-gry sh, drk crm fin xil in odr.         3026: got of ms.       3026: ing incrs of whit chik, tots of gry sh, im fair odr.       3050: sig incrs of whit chik, lots of gry sh, im fair odr.         3027: got of ms.       3028: incrs in chik and chiky Im.       3060: mstly chik/ v. chiky smple, tan cors xil vuggy por, ssio, fair-string odr.         3080: lots of chik, few Im chps w/ shw aa, gr       got in with tra pict por, wid x sth, v. fain dor.       3080: lots of chik, few Im chps w/ shw aa, gr         Muncie Sh       30087       got write writ  | ,             |
| 3008       Signt and odd rom odd im aa,<br>por, ns.         3008       Gill Mix cmr- ani ixhl im, poor-no<br>por, ns.         3010       Gill bit wer, fair stim<br>godor.         3011       John Mix tan pack stn Im, fair intr<br>ricrs in whit chik, tan pack stn Im,<br>fair intr pricl por, sfo, fair-strng<br>dor.         3026       John Mix timers in chik and chiky Im,<br>light gry-cmf nx II, npoor-no vis<br>por, ns, fair odor.         3026       John Mix timers in chik and chiky Im,<br>light gry-cmf nx II, npoor-no vis<br>por, ns, fair odor.         3026       John Mix timers in chik and chiky Im,<br>light gry-cmf nx II, npoor-no vis<br>por, ns, fair odor.         3026       John Mix timers in chik and chiky Im,<br>light gry-cmf nx II, npoor-no vis<br>all od in wi intra pricl por, wi a<br>vssto, fair odr.         3070: mstly chik/ v. chiky smple, tan cors xli<br>vuggy por, ssto, fair-strng odr.         3070: mstly chik/ v. chiky smple, tan cors xli<br>vuggy por, ssto, fair-strng odr.         3080: lots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.         3080: lots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.         3080: lots of gry and few bik carb sh, gry fn I<br>dense, no vis por, no odr, ns.         3080: lots of gry and few bik carb sh, gry fn I<br>dense, no vis por, no odr, ns.         3080: lots of gry and few bik carb sh, gry fn I<br>dense, no vis por, no odr, ns.         3080: lots of gry and few bik carb sh, gry fn I<br>dense, no vis por, no odr, ns.         30000: drk tan-ight gry y nxin inm, poor-no por  | o brk, ns     |
| por, ns.       3030: Ight gry inxln Im, semnt flooded fracs, in oil shws, fair-strng odor.         3018:       grict por, sigo, strng odr. 60MIN: incrs in wht chik, tan pack stn Im, fair intr prict por, sto, fair-strng odor.         3026:       3018:         3018:       grict por, sign, strng odr. 60MIN: incrs in wht chik, nack stn Im, fair intr prict por, sto, fair-strng odor.         3026:       3008: Ight gry inxln Im, semnt flooded fracs, in oil shws, fair-strng odor.         3028:       3008: Ight gry inxln Im, semnt flooded fracs, fwo chops wil fenstri por, wir a v. stns, fair odr.         3028:       3008: Ight gry inxln Im, poor-no vis por, ns, fair odr.         3050: sig incrs of wht chik, lots of gry sh, Im fair odr.         3060: mstly chik/ v. chiky smple, tan cors xli vuggy por, ssfo, fair-strng odr.         3070: mstly chik/ v. chiky smple, tan cors xli vuggy por, ssfo, fair-strng odr.         3070: mstly chik/ v. chiky smple, tan cors xli vuggy por, ssfo, fair-strng odr.         3070: mstly chik/ v. chiky smple, tan cors xli vuggy por, ssfo, fair-strng odr.         3081: lots of chik, few Im chps w/ shw aa, gr Im, poor inxin por, ns, fair odr.         3081: lots of chik, few Im chps w/ shw aa, gr Im, poor inxin por, ns, fair odr.         3081: lots of gry and few bik carb sh, gry fn I dense, poor-no por, tos of chik, rew Im, por, ns, fair odr.         3081: lots of gry and few bik carb sh, gry fn I dense, no vis por, no odr, ns.         3081: lots of gry and few bik carb sh, gry fn Im, poor-no po  |               |
| 30MN: tan pack stn Im, fair intr<br>prici por, sigo, strag odr. 60MN:<br>all strainers in write chik, tan pack stn Im,<br>fair intr prici por, sigo, fair-strng<br>odor.       in oil shws, fair-strng odor.         3040: incrs in greenish-gry sh, drk crm fn xli<br>por, ns, fair odr.       3040: incrs in greenish-gry sh, drk crm fn xli<br>sus, fair odr.         300MN: incrs in chik and chiky Im,<br>lght gry-crm fn xl Im, poor-no vis<br>por, ns, fair odr.       3050: sig incrs of wht chik, lots of gry sh, Im<br>fair intr<br>odr.         300MN: incrs in chik and chiky Im,<br>lght gry-crm fn xl Im, poor-no vis<br>por, ns, fair odr.       3060: mstly chik/ us chiky im.         3060: mstly chik/ v. chiky smple, tan cors xli<br>vuggy por, ssfo, fair-strng odr.       3060: mstly chik/ v. chiky smple, tan cors xli<br>vuggy por, ssfo, fair-strng odr.         3080: lots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.       3080: lots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.         3081: lots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.       3090: drk tan-lght gry fn xln Im, dense, no vis<br>faint odr.         3082: lots of chik, few lm chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.       3090: drk tan-lght gry fn xln Im, dense, no vis<br>faint odr.         3087: few chps w/ a drk stn, v. faint odr.       3090: drk tan-lght gry fn xln Im, dense, no vis<br>faint odr.         3087: few chps w/ a drk stn, v. faint odr.       3080: lots of gry and few blk carb sh, gry fn I<br>dense, no vis por, no odr, ns.         3087: lgb crm por op opr, nob opr, nob, fox of gry sh, tan-lght gry inxln<br>Im, poor-no por, one chps drk tan<br>poor-no  |               |
| 3018       price Jop, stgo, string dor. 600MN:       3040: incrs in with chik, tang back stin lim, fair intr price Jop, sto, fair-string odor.       3040: incrs in greenish-gry sh, drk crm fn xli flooded fracs, few chps w/ fenstri por, w/ a v. string odor.         3026       300MN: incrs in chik and chiky lim, light gry-crm fn xli lim, poor-no vis por, ns, fair odr.       3050: sig incrs of wht chik, lots of gry sh, lm fair odr.         306       300MN: incrs in chik and chiky lim, light gry-crm fn xli lim, poor-no vis por, ns, fair odr.       3060: mstly chik/ v. chiky smple, tan cors xliv uggy por, ssfo, fair-string odr.         3070: mstly chik/ v. chiky smple, tan cors xliv uggy por, ssfo, fair-string odr.       3070: mstly chik/ v. chiky smple, tan cors xliv uggy por, ssfo, fair-string odr.         30-30-30-30(LKC "H, I, J, K & L") Rec: 31' Mud w/ show of oil.       51P: 740-709#/30"         FFP: 19-24#/30"       3080: lots of chik, few Im chps w/ shw aa, gr Im, poor inxlip por, ns, fair odr.         3083'1295 cfs @       30MIN: drk tan- light gry inxlin Im, dense, no vis faint odr.         3087       600MIN: drk tan- light gry inxlin Im, poor no por, nodr, ns.         3087       30MIN: light crm ool xln Im, dense, por or por, nodr, ns.         300MIN: light crm ool xln Im, dense, por or por, or or or, or or or or, or or or, or or, ches drk tan bris por, no odr.         3100: lots of gry and few bik carb sh, gry fn I dense, no vis por, no cdr, ns.         300MIN: light crm ool xln Im, dense, por or or or, or or or or, or or, or, or,   | , aecrse      |
| cfs @       air intr prcl por, sto, fair-strng<br>odor.       flooded fracs, few chps w/ fenstrl por, w/ a v.<br>strs, fair odr.         30266       30MIN: incrs in chik and chiky Im,<br>lght gry-erm fnx I im, poor-no vis<br>por, ns, fair odr.       flooded fracs, few chps w/ fenstrl por, w/ a v.<br>strs, fair odr.         3060: mstly chik/ v. chiky smple, tan cors xliv<br>vuggy por, ssfo, fair-strng odr.       3060: mstly chik/ v. chiky smple, tan cors xliv<br>vuggy por, ssfo, fair-strng odr.         3070: mstly chik/ v. chiky smple, tan cors xliv<br>vuggy por, ssfo, fair-strng odr.       3070: mstly chik/ v. chiky smple, tan cors xliv<br>vuggy por, ssfo, fair-strng odr.         3080: lots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxlin por, ns, fair odr.       3080: lots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxlin por, ns, fair odr.         3081: lots of stry in xlin<br>dense, poor-no por, lots of chik,<br>few chps w/ a ths sh, v. faint odr.       3090: drk tan-lght gry fn xlin Im, dense, no vis<br>faint odr.         3087: few chps w/ a ths sh, u. faint odr.       3087: few chps w/ a ths sh, v. faint odr.         3087: few chps w/ a ths sh v. v. faint odr.       3087: few chps w/ a ths sh v. v. faint odr.         3087: few chps w/ a ths sh v. v. faint odr.       3087: few chps w/ a ths sh v. v. faint odr.         3087: few chps w/ a ths sh v. v. faint odr.       3087: few chps w/ a ths sh v. v. faint odr.         3087: few chps w/ a ths sh undit try visitin<br>(m, poor-no por, nodr, ns.       3100: lots of gry and few blk carb sh, gry fn 1<br>dense, no vis por, no odr, ns.         3088: lots of chik, fim w/ ugy por  | In comp       |
| cris @       and mit pitcl pol, sto, fairstring       addr.         3026       addr.       3050: sig incrs of wht chik, lots of gry sh, im fair odr.         3050: sig incrs of wht chik, lots of gry sh, im fair odr.       3060: mstly chik and chiky im.         901 mw finte price por, ns, fair odr.       3060: mstly chik and chiky im.         901 mw finte price por, ns, fair odr.       3060: mstly chik and chiky im.         901 mw finte price por, w/ a vssto, fair odr.       3070: mstly chik/ v. chiky smple, tan cors xli vuggy por, ssfo, fair-string odr.         3070: mstly chik/ v. chiky smple, tan cors xli vuggy por, ssfo, fair-string odr.       3070: mstly chik/ v. chiky smple, tan cors xli vuggy por, ssfo, fair-string odr.         3080: lots of chik, few lm chps w/ shw aa, gr Im, poor inxin por, ns, fair odr.       3080: lots of chik, few lm chps w/ shw aa, gr Im, poor inxin por, ns, fair odr.         3080: lots of chik, few lm chps w/ shw aa, gr Im, poor inxin por, ns, fair odr.       3080: lots of chik, few lm chps w/ shw aa, gr Im, poor inxin por, ns, fair odr.         30837       SiP: 740-709#/30"       3080: lots of gry and few bik carb sh, gry fn l dense, no vis por, no odr, ns.         60MIN: drk tan- lght gry inxin Im, dense, no vis faint odr.       300: lots of gry and few bik carb sh, gry fn l dense, no vis por, no odr, ns.         300NIN: lght crm ool xin Im, dense, por-no por, one chps drk tan sem ix lin Im v/ vuggy por, ssfo,  |               |
| 3026       000         3026       300         3026       300         3027       302         3028       302         3029       302         3020       <  |               |
| Ight gry-crm fn xl Im, poor-no vis<br>por, ns, fair odor. 60MIN: drk crm<br>ool Im wi intra prici por, w/ a<br>vssfo, fair odr.       3060: mstly chik and chiky Im.         3070: mstly chik/v. chiky smple, tan cors xli<br>vuggy por, ssfo, fair-strng odr.       3070: mstly chik/v. chiky smple, tan cors xli<br>vuggy por, ssfo, fair-strng odr.         3080: lots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.       3080: lots of chik, few Im chps w/ shw aa, gr<br>Im, poor inxln por, ns, fair odr.         SIP: 740-709#/30"       SIP: 740-709#/30"         Muncie Sh<br>3083*1295 cfs @<br>3087       30MIN: drk tan-lght gry inxln Im,<br>few chps w/ a drk stn, v. faint odr.<br>fow chps m/ a drk stn, v. faint odr.<br>fow chps m/ a drk stn, v. faint odr.<br>fow chps m/ a drk stn, m. faint odr.<br>fow chps m/ a drk stn, m. faint odr.<br>fow chps m/ a drk stn, v. faint odr.<br>fow chps m/ a drk stn, m. faint odr.<br>fow chps m/ a drk stn, m. faint odr.<br>fow chps m/ a drk stn, m. fow for gry and few blk carb sh, gry fn l<br>dense, no vis por, ns, no odr.  | n aa, ns,     |
| por, ns, fair odor. 60MIN: drk crm<br>ool Im w/ intra prtcl por, w/ a<br>vssfo, fair odr.       3060: mstly chlk and chlky Im.         3070: mstly chlk v. chlky smple, tan cors xll<br>vuggy por, ssfo, fair-strng odr.         3070: mstly chlk v. chlky smple, tan cors xll<br>vuggy por, ssfo, fair-strng odr.         3080: lots of chlk, few Im chps w/ shw aa, gr<br>FPP: 19-24#/30"         FFP: 25-33#/30"         SIP: 740-709#/30"         3083*1295 cfs @<br>3087         3087         Generation of the set of strip of the set of the set of the set of the se  |               |
| ool Im W/ intra prtcl por, w/ a         vssfo, fair odr.         05         070: mstly chlk/ v. chlky smple, tan cors xll         070: mstly chlk/ v. c   |               |
| Vssfo, fair odr.       00         DST #4: 3072 - 3211'       3070: mstly chik/ v. chiky smple, tan cors xlivuggy por, ssfo, fair-strng odr.         30-30-30-30(LKC "H, I, J, J, K & L") Rec: 31' Mud w/       3080: lots of chik, few im chps w/ shw aa, gr Im, poor inxin por, ns, fair odr.         SIP: 740-709#/30"       3080: lots of chik, few im chps w/ shw aa, gr Im, poor inxin por, ns, fair odr.         Muncie Sh       30MIN: drk tan-lght gry inxin Im, dense, poor-no por, lots of chik, few chps w/ a drk stn, v. faint odr.         Muncie Sh       30MIN: tew chps of bik carb sh, lots of gry sh, tan-lght gry inxin Im, dense, no vis por, no odr, ns.         000011: few chps of bik carb sh, lots of gry sh, tan-lght gry inxin Im, poor-no por, one chps drk tan genor-no por, one chps drk tan semi xin Im, dense, por, no odr.         300111: lght crm ool cast Im, excint por, no odr.   |               |
| DST #4: 3072 - 3211'       vuggy por, ssfo, fair-strig odr.         30-30-30-30(LKC "H, I, J, K & L") Rec: 31' Mud w/       show of oil.         FP: 19-24#/30"       show of oil.         FP: 19-24#/30"       FF: 19-24#/30"         SIP: 740-709#/30"       3090: drk tan-lght gry fn xln Im, dense, no vis faint odr.         Muncie Sh       30MIN: drk tan-lght gry inxln Im, dense, poor-no por, lots of chlk, few chps of blk carb sh, gry fn l dense, no vis por, no odr, ns.         3083-1295 cfs @       30MIN: drk tan-lght gry inxln Im, dense, no vis faint odr.         Muncie Sh       3087         Gow hills: few chps of blk carb sh, lots of gry sh, tan-lght gry inxln Im, dense, no vis por, no odr, ns.         3083 - 1295 cfs @       30MIN: lght crm ool xln Im, dense, poor-no por, lots of chlk, few chps of blk carb sh, gry fn l dense, no vis por, no odr, ns.         3100: lots of gry and few blk carb sh, gry fn l dense, no vis por, no odr, ns.         30MIN: lght crm ool xln Im, dense, poor-no por, one chps drk tan semi xln Im w/ vuggy por, ssfo,   |               |
| DST #4: 3072 - 3211'         30-30-30-30(LKC "H, I, J,         K & L") Rec: 31' Mud w/         show of oil.         FP: 19-24#/30"         FFP: 25-33#/30"         SIP: 740-709#/30"         3083-1295 cfs @         30MIN: drk tan- lght gry inxln lm,         dense, poor-no por, lots of chik,         few chps w/ a drk stn, v. faint odr.         3083'-1295 cfs @         30MIN: drk tan- lght gry inxln lm,         dense, poor-no por, lots of chik,         few chps w/ a drk stn, v. faint odr.         60MIN: lew chps of bik carb sh,         lots of gry sh, tan-lght gry inxln         im, poor-no por, one chps drk tan         semi xln lm w/ vuggy por, ssfo,  |               |
| DST #4: 3072 - 3211'         30-30-30-30(LKC "H, I, J,         K & L") Rec: 31' Mud w/         show of oil.         FP: 19-24#/30"         FP: 25-33#/30"         SIP: 740-709#/30"         3083'-1295 cfs @         Muncie Sh         3083'-1295 cfs @         Muncie Sh         3083'-1295 cfs @         30MIN: drk tan- lght gry inxln lm, dense, poor-no por, lots of chlk, few chps w/ a drk stn, v. faint odr.         60MIN: few chps w/ a drk stn, v. faint odr.         60MIN: few chps blk carb sh, lots of gry and few blk carb sh, gry fn l         ense, poor-no por, nodr, ns.         30MIN: lght crm ool xln lm, dense, po vis por, no odr, ns.         30MIN: lght crm ool xln lm, dense, po vis por, no odr, ns.         30MIN: lght crm ool xln lm, dense, po vis por, no odr, ns.         30MIN: lght crm ool xln lm, dense, po vis por, ns, no odr.  |               |
| 30-30-30-30(LKC "H, I, J,         30-30-30-30(LKC "H, I, J,         K & L") Rec: 31' Mud w/         show of oil.         FP: 19-24#/30"         Image: FP: 19-24#/30"         SIP: 740-709#/30"         3083'-1295 cfs @         3083'-1295 cfs @         3083'-1295 cfs @         3087         dew chys w/ a drk stn, v. faint odr.         60MIN: drk tan-lght gry inxln lm,         dense, poor-no por, lots of chlk,         few chps w/ a drk stn, v. faint odr.         60MIN: lght crm ool xln lm, dense,         in, poor-no por, nodr, ns.         30MIN: lght crm ool xln lm, dense,         poor-no por, one chys drk tan         semi xln lm w/ vuggy por, ssfo,  | .m im, w/     |
| K & L")       Rec: 31' Mud w/<br>show of oil.         FP: 19-24#/30"       3080: lots of chlk, few Im chps w/ shw aa, gr<br>Im, poor inxIn por, ns, fair odr.         SIP: 740-709#/30"       3090: drk tan-lght gry fn xln Im, dense, no vis<br>faint odr.         Muncie Sh<br>3083'-1295 cfs @       30MIN: drk tan-lght gry inxln Im,<br>dense, poor-no por, lots of chlk,<br>few chps w/ a drk stn, v. faint odr.         Muncie Sh<br>3087       3087         GOMIN: few chps of blk carb sh,<br>lots of gry sh, tan-lght gry inxln<br>Im, poor-no por, nodr, ns.       3100: lots of gry and few blk carb sh, gry fn l<br>dense, no vis por, no odr, ns.         30MIN: lght crm ool xln Im, dense,<br>poor-no por, one chps drk tan<br>semi xln Im w/ vuggy por, ssfo,       3110: lght crm ool cast Im, excInt por, no odr.  |               |
| Show of oil.         FP: 19-24#/30"         SIP: 740-709#/30"         SIP: 740-709#/30"         Muncie Sh         3083'-1295_cfs @         dense, poor-no por, lots of chlk, few lm chps w/ shw aa, gr         muncie Sh         3083'-1295_cfs @         dense, poor-no por, lots of chlk, few lm chps w/ shw aa, gr         few chps w/ a drk stn, v. faint odr.         60MIN: few chps of blk carb sh, lots of gry and few blk carb sh, gry fn l         dense, no vis por, no odr, ns.         3001N: lght crm ool xln lm, dense, -         ypoor-no por, one chps drk tan         300MIN: lght crm ool xln lm, dense, -         ypoor-no por, one chps drk tan         semi xln lm w/ vuggy por, ssfo,  |               |
| Show of oil.         FP: 19-24#/30"         SIP: 740-709#/30"         SIP: 740-709#/30"         Muncie Sh         3083'-1295_cfs @         Muncie Sh         3083'-1295_cfs @         Bold Single Sin   |               |
| FP: 19-24#/30"       3080: lots of chlk, few im chps w/ shw aa, gr         FFP: 25-33#/30"       SIP: 740-709#/30"         SIP: 740-709#/30"       3090: drk tan-lght gry fn xln im, dense, no vis faint odr.         Muncie Sh       30MIN: drk tan- lght gry inxln im, dense, poor-no por, lots of chlk, few chps w/ a drk stn, v. faint odr.         Muncie Sh       3087         few chps w/ a drk stn, v. faint odr.       60MIN: few chps of blk carb sh, lots of gry sh, tan-lght gry inxln         Im, poor-no por, nodr, ns.       100: lots of gry and few blk carb sh, lots of gry sh, tan-lght gry inxln         Im, poor-no por, one chps drk tan       30MIN: lght crm ool xln im, dense, poor-no por, one chps drk tan         30MIN: lght crm ool xln im, dense, poor-no por, one chps drk tan       3110: lght crm ool cast im, exclnt por, no odr.  |               |
| FFP: 25-33#/30"         SIP: 740-709#/30"         3090: drk tan-lght gry fn xln lm, dense, no vis faint odr.         Muncie Sh         3083'-1295 cfs @         Muncie Sh         3087         few chps w/ a drk stn, v. faint odr.         60MIN: few chps of blk carb sh, lots of gry sh, tan-lght gry inxln         Im, poor no por, nodr, ns.         3100: lots of gry and few blk carb sh, gry fn l         dense, poor-no por, nodr, ns.         300MIN: lght crm ool xln lm, dense, poor-no por, nodr, ns.         3110: lght crm ool cast lm, exclint por, no odr.         3120: aa, incrs in chlk and chlky lm, few gry dense, no vis por, ns, no odr.  | ry inxln      |
| SIP: 740-709#/30"       3090: drk tan-lght gry fn xln lm, dense, no vis faint odr.         Muncie Sh       30MIN: drk tan- lght gry inxln lm, dense, poor-no por, lots of chik, few chps w/ a drk stn, v. faint odr.       3100: lots of gry and few blk carb sh, gry fn l dense, no vis por, no odr, ns.         Muncie Sh       3087       few chps w/ a drk stn, v. faint odr.       60MIN: few chps of blk carb sh, lots of gry sh, tan-lght gry inxln       3100: lots of gry and few blk carb sh, gry fn l dense, no vis por, no odr, ns.         Muncie Sh       3087       few chps w/ a drk stn, v. faint odr.       60MIN: few chps of blk carb sh, lots of gry sh, tan-lght gry inxln       3100: lots of gry and few blk carb sh, gry fn l dense, no vis por, no odr, ns.         Muncie Sh       30MIN: lght crm ool xln lm, dense, poor-no por, nodr, ns.       3110: lght crm ool cast lm, exclnt por, no odr         Muncie Sh       30MIN: lght crm ool xln lm, dense, poor-no por, one chps drk tan semi xln lm w/ vuggy por, ssfo,       3120: aa, incrs in chlk and chlky lm, few gry dense, no vis por, ns, no odr.  |               |
| 3090: drk tan-lght gry in xin im, dense, no vis         Muncie Sh         3083'-1295_cfs @         3087         few chps w/ a drk stn, v. faint odr.         60MIN: few chps of blk carb sh,         lots of gry sh, tan-lght gry inxln         Im, poor-no por, nodr, ns.         30MIN: lght crm ool xin im, dense,         30MIN: lght crm ool xin im, dense,         poor-no por, one chps drk tan         semi xin im, dense, no vis         few chps w/ a drk stn, v. faint odr.         60MIN: few chps of blk carb sh,         lots of gry sh, tan-lght gry inxln         im, poor-no por, nodr, ns.         30MIN: lght crm ool xin im, dense,         poor-no por, one chps drk tan         semi xin im w/ vuggy por, ssfo,   |               |
| Muncie Sh<br>3083'-1295_cfs @<br>3083' few chps w/ a drk stn, v. faint odr.<br>60MIN: few chps of blk carb sh,<br>lots of gry sh, tan-lght gry inxln<br>im, poor-no por, nodr, ns.<br>30MIN: lght crm ool xln Im, dense,<br>poor-no por, one chps drk tan<br>semi xln Im w/ vuggy por, ssfo,  | is por, ne    |
| Muncie Sh       30MIN: drk tan- lght gry inxln Im, dense, poor-no por, lots of chlk, few chps w/ a drk stn, v. faint odr.       3083'-1295_cfs @       3087       3087       few chps w/ a drk stn, v. faint odr.       3100: lots of gry and few blk carb sh, gry fn l dense, no vis por, no odr, ns.         1       3087       few chps w/ a drk stn, v. faint odr.       60MIN: few chps of blk carb sh, lots of gry sh, tan-lght gry inxln       3100: lots of gry and few blk carb sh, gry fn l dense, no vis por, no odr, ns.         1       1       10ts of gry sh, tan-lght gry inxln       3110: lght crm ool cast Im, excInt por, no odr         30MIN: lght crm ool xln Im, dense, poor-no por, one chps drk tan semi xln Im w/ vuggy por, ssfo,       3120: aa, incrs in chlk and chlky Im, few gry dense, no vis por, ns, no odr.  |               |
| 3083'-1295_cfs @       Jown curve tail-right gry mannin,<br>dense, poor-no por, lots of chik,<br>few chps w/ a drk stn, v. faint odr.       3100: lots of gry and few blk carb sh, gry fn l<br>dense, no vis por, no odr, ns.         3083'-1295_cfs @       Jown curve tail-right gry mannin,<br>few chps w/ a drk stn, v. faint odr.       Jown curve tail-right gry mannin,<br>few chps w/ a drk stn, v. faint odr.       Jown curve tail-right gry mannin,<br>few chps w/ a drk stn, v. faint odr.       Jown curve tail-right gry mannin,<br>few chps w/ a drk stn, v. faint odr.         1015       Jown curve tail-right gry mannin,<br>few chps w/ a drk stn, v. faint odr.       Jown curve tail-right gry mannin,<br>few chps w/ a drk stn, v. faint odr.       Jown curve tail-right gry mannin,<br>few chps w/ a drk stn, v. faint odr.         1016       Jown curve tail-right gry mannin,<br>lots of gry sh, tan-light gry mannin,<br>lots of gry sh,   |               |
| 3087       few chps w/ a drk stn, v. faint odr.         60MIN: few chps of blk carb sh,       60MIN: few chps of blk carb sh,         lots of gry sh, tan-lght gry inxln       3110: lght crm ool cast lm, exclnt por, no odr, ns.         3087       3080         lots of gry sh, tan-lght gry inxln       3110: lght crm ool cast lm, exclnt por, no odr         3081       Im, poor-no por, nodr, ns.         3120: aa, incrs in chlk and chlky lm, few gry dense, no vis por, ns, no odr.   | Im            |
| 60MIN: few chps of blk carb sh,<br>lots of gry sh, tan-lght gry inxln       3110: lght crm ool cast lm, exclnt por, no odr         30MIN: lght crm ool xln lm, dense,<br>poor-no por, one chps drk tan<br>semi xln lm w/ vuggy por, ssfo,       3120: aa, incrs in chlk and chlky lm, few gry<br>dense, no vis por, ns, no odr.   | ,             |
| Interview   |               |
| 30MIN: Ight crm ool xin Im, dense,<br>poor-no por, one chps drk tan<br>semi xin Im w/ vuggy por, ssfo,  |               |
| poor-no por, one chps drk tan dense, no vis por, ns, no odr.  | lr, ns.       |
| poor-no por, one chps drk tan dense, no vis por, ns, no odr.  |               |
| poor-no por, one chps drk tan dense, no vis por, ns, no odr.  | v invln Ir    |
| semi xln lm w/ vuggy por, ssfo,   | y 111A111 III |
|   |               |
| cfs @ faint odr (uphole) 60MIN: incrs in 3130: lots of chlk, drk crm xln lm, foss, poor   | r por po      |

|     |       |                  |        |                  |               | 3115                                      |            | wht chik, crm-tan ool/xin im,  | 30   |          | dr, ns.   |
|-----|-------|------------------|--------|------------------|---------------|---|------------|--|------|----------|---|
|     |       | 5                |        |                  | _             |   |            | poor-no por, no odr, ns.   | 8    |          |   |
|     | <     |                  |        |                  |               | cfs                                       | <b>a</b> — |  | 8    |          |   |
|     |       |                  |        |                  |               | 3130                                      |            | 30MIN: gry-tan inxIn Im, poor inxIn  | 8    |          | 3140: tan pack stn lm, fair intr prtcl por, some chps   |
|     |       |                  |        |                  |               | -0100                                     | -          | por, two chps tan inxln lm, w/ poor-   |      | • + + +  | have drk dead oil st, nsfo, no odr.   |
|     |       |                  |        |                  |               |   |            | frac por w/ drk oil stn, slght odr. 🗌  | 88   |          |   |
|     |       | •                |        |                  | -             |   | -          | 60MIN: crm fn xln lm, sli foss, ——   | 8    | •        | = 5150. mers in wittenik, tan oor east ini, some crips  |
|     |       |                  |        |                  |               |   |            | poor-no por, no odr, ns.   | 88   |          | w/ dead oil stns, no flour, v. slght odr.   |
|     |       |                  |        |                  |               |   |            |  |      |          |   |
|     | R     |                  |        |                  | _             | _   | -          | 30MIN: incrs in gry, green, &  | 3150 |          | 3160: incrs in gry sh, tan inxln lm, poor inxln por, no   |
|     |       | 5                |        |                  |               |   |            | maroon sh, gry inxIn Im, dense,  | 3    |          | odr, ns.  |
|     | 5     |                  |        |                  |               | cfs                                       | a —        | poor-no por, no odr, ns. 60MIN:  | 8    |          |   |
|     | 5     |                  |        |                  |               | 3157                                      | -          | tan-Ight gry fn xIn Im, dense, no  | 8    |          | 3170: lots of gry sh, gry-crm cln lm, dense, poor por,  |
|     |       |                  |        |                  |               |   | -          | vis por, no shw, no odr  | 8    |          | no odr, ns.   |
|     |       | ζ                |        |                  |               |   |            | 40/40/0040   | 8    |          | 2400 is set in such shilling some involution as some (flas de d   |
|     | ٢     |                  |        |                  |               |   |            | 12/11/201212/12/2012<br>Mud InfoMud Info   | 8    |          | 3180: incrs in sub-chlky, crm inxln lm, cemnt flooded fracs, no odr, ns.  |
|     |       | $\triangleright$ |        |                  |               |   | -          |  | 8    |          |   |
|     | 1     | 5                |        |                  |               |   |            | weight: 9.2weight: 9.2<br>Viscosity: 48Viscosity: 55   | 8    |          |   |
|     |       |                  |        |                  |               |   | -          | Filtrate: 8.0 Filtrate: 6.4  | 88   |          | 3190: aa, no sig change.  |
|     |       |                  |        |                  |               |   |            | Chloride: 7100—Chloride: 8000—   | 8    |          |   |
|     | 5     | 5                |        |                  |               |   |            | LCM #: 0 LCM #: 0  |      |          | 3200: Ight gry-drk crm inxIn Im, dense, poor-no por,  |
|     |       |                  |        |                  |               |   | -          |  |      |          | few chps with pin point vuggy por w/ drk oil stn, slght   |
|     | <     |                  |        |                  |               |   |            | -30MIN: incrs in gry, green & blk sh, brwn —<br>-xIn Im, w/ fenstrl por w/ ssfo w/ slght-fair —  |      | •        | odr.  |
|     | ᠆ᡫ    |                  |        | $\vdash$         | $\rightarrow$ |   | -          | odr. 60MIN: aa, tan xin im, w/ vuggy por,  |      | •        | <b>*</b>  |
|     | <     |                  |        |                  |               | cfs                                       |            | shw of Ight brwn oil, fair odr upon brking.  | 8    |          |   |
| 0   |       |                  | OP (   | min/ft           | )             | 3197                                      | 1          | 30MIN: tan-buff semi xIn dolo, execlent  | 3200 |          | 3210: mstly gry sh, Im aa, no sig change.   |
|     |       |                  |        |                  | <u> </u>      |   |            | _intr prtcl/xIn por, strng show brwn oil, v  | Ĭ    |          | -   |
|     |       | S                |        |                  |               | _   | _          | -strng odr. 60MIN: crm-lght gry inxln lm,<br>-poor inxln por, buff semi xln dolo, execInt  |      |          | 3220: lots of gry, aqua, and maroon sh, lght gry inxIn  |
|     | <     | $\sim$           |        | кс⊥              | ===           |   |            | intr prtcl por, shw of brwn oil, v. strng odr.   |      |          | Im, poor inxIn por, ns, faint odr.  |
|     | <     |                  |        | 208'-            | 1419          | —3211<br>—cfs                             |            |  |      |          | -   |
|     |       |                  |        |                  |               | - CIS                                     |            | 30MIN: lots of gry, aqua, & maroon sh. drk   |      | •        | 3230: wht cors xIn dolo, syscrosc, fair intr prtcl por,   |
|     |       | _                |        |                  |               | cfs                                       |            | _crm-tan inxln lm, poor inxln por, ns, faint   |      | <u> </u> | shw of Ight gasy brwn oil, strng odr upon break.  |
|     |       | F                |        |                  |               |   |            | _odr. 60MIN: drty crm-lght gry ixIn Im, foss _<br>poor inxIn por,lota of sub chlky Im, ns, no _  |      |          |   |
|     | -     | -                | <==    | ====             | ===           | cfs                                       |            | odr.   |      | - í •    | <del>/</del>  |
|     |       |                  | - A In |                  | . —           |   |            | 30MIN: mstly green sh, chlk & sub-chlky —  |      |          |   |
|     |       |                  |        | ouckl            |               | 322                                       | · —        |  | 80   |          | 3240: wht dolo, syscrosc, semi xln, fair intr prtcl por,  |
|     | >     |                  |        | 000 Kl<br>26'-14 |               | cfs                                       | <u>@</u>   | Im, drk crm inxln Im, ns, 60MIN: no chnge  | P    |          | <ul> <li>3240: wht dolo, syscrosc, semi xln, fair intr prtcl por,</li> <li>shw of brwn oil, strng odr.</li> </ul>   |
|     | ξ     |                  |        |                  |               |   | @          |  |      |          | shw of brwn oil, strng odr.   |
|     | Ž     |                  |        |                  |               | cfs<br>323<br>cfs                         | @<br>@     | Im, drk crm inxin Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xIn syscrosc dolo, fair intr-  |      |          | shw of brwn oil, strng odr.<br>3250: wht dolo, prtly grainy-prtly xln, some chps w/   |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | lm, drk crm inxin lm, ns, 60MIN: no chnge<br>from thirty min smple.  |      |          | shw of brwn oil, strng odr.<br>3250: wht dolo, prtly grainy-prtly xln, some chps w/   |
|     |       |                  |        |                  |               |   |            | Im, drk crm inxin Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xIn syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.   |      |          | shw of brwn oil, strng odr.<br>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br>shw of brwn oil, strng odr.<br>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxin Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xIn syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xIn Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.  |      |          | shw of brwn oil, strng odr.<br>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br>shw of brwn oil, strng odr.  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxin Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xIn syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>-60MIN: wht-buff hrd cors xIn Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>-30MIN: wht xIn dolo, poor-fair por, syscroc,  | 3250 |          | shw of brwn oil, strng odr.<br>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br>shw of brwn oil, strng odr.<br>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br>aa, strng odr.  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxin Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xIn syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xIn Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>-30MIN: wht xIn dolo, poor-fair por, syscroc,<br>shw of Ight brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo  |      |          | shw of brwn oil, strng odr.<br>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br>shw of brwn oil, strng odr.<br>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxin Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xIn syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>-60MIN: wht-buff hrd cors xIn Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>   |      |          | shw of brwn oil, strng odr.<br>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br>shw of brwn oil, strng odr.<br>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br>aa, strng odr.<br>3270: incrs in xln dolo, aa, no sig change.   |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>-30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of Ight brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>-30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:   |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/</li> <li>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw, aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than</li> </ul>  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of Ight brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, shw of Ight brwn oil,   |      |          | shw of brwn oil, strng odr.<br>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br>shw of brwn oil, strng odr.<br>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br>aa, strng odr.<br>3270: incrs in xln dolo, aa, no sig change.   |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxin Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xIn syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xIn Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>  |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/</li> <li>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw, aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than</li> </ul>  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of Ight brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, shw of Ight brwn oil,<br>strng odr.<br>30MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.   |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> </ul>  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxin Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xIn syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xIn Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>  |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/</li> <li>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw, aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than</li> </ul>  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>  |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/</li> <li>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw, aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,</li> </ul>   |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>-60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>   |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> </ul>  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>-30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>-60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>   |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/</li> <li>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw, aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,</li> </ul>   |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.  |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> </ul>  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>strng odr.<br>30MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.   |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> </ul>  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.  |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> </ul>  |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>strng odr.<br>30MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor no por.<br>30MIN: wht xln dolo, poor no por.<br>40MIN: wht xln dolo, poor no por.   | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>DST #5: 3204' - 3231' (Arbuckle)<br>Recovered 10' gassy mud cut oil<br>(5% gas, 5% mud, 90% oil), 15'<br>gassy mud and oil cut water (10% -<br>gas, 10% mud, 30% oil, 50%<br>water), 189' oil and mud cut water<br>(20% oil, 35% mud, 45% water),<br>387' gassy mud and oil cut water   | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>50ST #5: 3204' - 3231' (Arbuckle)<br>Recovered 10' gassy mud cut oil<br>(5% gas, 5% mud, 90% oil), 15'<br>gassy mud and oil cut water (10% -<br>gas, 10% mud, 30% oil, 50%<br>water), 189' oil and mud cut water<br>(20% oil, 35% mud, 45% water),<br>387' gassy mud and oil cut water<br>(5% mud,10% gas, 40% oil, 45%   |      |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>30MIN: wht xln dolo, poor-no por.<br>40MIN: wht xln dolo, poor-no por    | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>DST #5: 3204' - 3231' (Arbuckle)<br>Recovered 10' gassy mud cut oil<br>(5% gas, 5% mud, 90% oil), 15'<br>gassy mud and oil cut water (10% -<br>gas, 10% mud, 30% oil, 50%<br>water), 189' oil and mud cut water<br>(20% oil, 35% mud, 45% water),<br>387' gassy mud and oil cut water<br>(5% mud,10% gas, 40% oil, 45%<br>water), 387' muddy oil cut water<br>(5% mud, 20% oil, 75% water) and  | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
|     |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>50MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>50MIN: wht xln dolo, poor no por.<br>50MIN: wht xln dolo, poor or, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor or, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw oil, fol<br>water), 189' oil and mud cut water<br>(5% mud, 10% gas, 40% oil, 45% water),<br>387' gassy mud and oil cut water<br>(5% mud, 20% oil, 75% water) and<br>441' mud cut water (5% mud, 95% -  | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
| RTI |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>DST #5: 3204' - 3231' (Arbuckle)<br>Recovered 10' gassy mud cut oil<br>(5% gas, 5% mud, 90% oil), 15'<br>gassy mud and oil cut water (10% -<br>gas, 10% mud, 30% oil, 50%<br>water), 189' oil and mud cut water<br>(20% oil, 35% mud, 45% water),<br>387' gassy mud and oil cut water<br>(5% mud,10% gas, 40% oil, 45%<br>water), 387' muddy oil cut water<br>(5% mud, 20% oil, 75% water) and  | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
| 331 | 10' _ |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>50MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>50MIN: wht xln dolo, poor no por.<br>50MIN: wht xln dolo, poor or, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor or, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor sor, few dolo<br>chps sysrcosc, shw oil, fol<br>water), 189' oil and mud cut water<br>(5% mud, 10% gas, 40% oil, 45% water),<br>387' gassy mud and oil cut water<br>(5% mud, 20% oil, 75% water) and<br>441' mud cut water (5% mud, 95% -  | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
| 331 |       |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>50MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>30MIN: wht xln dolo, poor-no por.<br>50MIN: dolo, poor-no por.<br>50MIN: dolo, poor-no por.<br>50MIN: dolo, p | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
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| 331 | 10' _ |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor no por.<br><b>DST #5:</b> 3204' - 3231' (Arbuckle)<br>Recovered 10' gassy mud cut oil<br>(5% gas, 5% mud, 90% oil), 15'<br>gassy mud and oil cut water (10% -<br>gas, 10% mud, 30% oil, 50%<br>water), 189' oil and mud cut water<br>(20% oil, 35% mud, 45% water),<br>387' gassy mud and oil cut water<br>(5% mud, 20% oil, 75% water) and<br>441' mud cut water (5% mud, 95% -<br>water).<br>IFP:48-387#/30"ISIP:1007#/45"<br>FFP:390-618#/30"FSIP:1007#/45"   | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
| 331 | 10' _ |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht vhuff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of Ight brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, shw of Ight brwn oil,<br>strng odr.<br>30MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>DST #5: 3204' - 3231' (Arbuckle)<br>Recovered 10' gassy mud cut oil<br>(5% gas, 5% mud, 90% oil), 15'<br>gassy mud and oil cut water (10% -<br>gas, 10% mud, 30% oil, 50%<br>water), 189' oil and mud cut water<br>(20% oil, 35% mud, 45% water),<br>387' gassy mud and oil cut water<br>(5% mud, 10% gas, 40% oil, 45%<br>water), 387' muddy oil cut water<br>(5% mud, 20% oil, 75% water) and<br>441' mud cut water (5% mud, 95% -<br>water).<br>IFP:48-387#/30"ISIP:1007#/45"<br>FFP:390-618#/30"FSIP:1007#/45"   | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
| 331 | 10' _ |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht-buff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of lght brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor no por.<br><b>DST #5:</b> 3204' - 3231' (Arbuckle)<br>Recovered 10' gassy mud cut oil<br>(5% gas, 5% mud, 90% oil), 15'<br>gassy mud and oil cut water (10% -<br>gas, 10% mud, 30% oil, 50%<br>water), 189' oil and mud cut water<br>(20% oil, 35% mud, 45% water),<br>387' gassy mud and oil cut water<br>(5% mud, 20% oil, 75% water) and<br>441' mud cut water (5% mud, 95% -<br>water).<br>IFP:48-387#/30"ISIP:1007#/45"<br>FFP:390-618#/30"FSIP:1007#/45"   | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/<br/>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw,<br/>aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than<br/>ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense,<br/>poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul> |
| 331 | 10' _ |                  |        |                  |               | - cfs<br>323<br>cfs<br>- 323<br>- cfs<br> |            | Im, drk crm inxln Im, ns, 60MIN: no chnge<br>from thirty min smple.<br>30MIN: wht cors xln syscrosc dolo, fair intr-<br>prtcl por, shw of brwn oil, v. strng odr.<br>60MIN: wht vhuff hrd cors xln Im, sysrocs,<br>fair intr prtcl por, shw of brwn oil, strng odr.<br>30MIN: wht xln dolo, poor-fair por, syscroc,<br>shw of Ight brwn oil, strng odr on brk.<br>60MIN: no sig change, incrs dolo<br>abundnce.<br>30MIN: lots of gry and aqua sh, wht dolo,<br>sycrosc, semi xln, shw of brwn oil. 60MIN:<br>mstly wht xln dolo, shw of Ight brwn oil,<br>strng odr.<br>30MIN: wht xln dolo, poor por, few dolo<br>chps sysrcosc, shw of brwn oil, fair odr.<br>60MIN: wht xln dolo, poor-no por.<br>DST #5: 3204' - 3231' (Arbuckle)<br>Recovered 10' gassy mud cut oil<br>(5% gas, 5% mud, 90% oil), 15'<br>gassy mud and oil cut water (10% -<br>gas, 10% mud, 30% oil, 50%<br>water), 189' oil and mud cut water<br>(20% oil, 35% mud, 45% water),<br>387' gassy mud and oil cut water<br>(5% mud, 10% gas, 40% oil, 45%<br>water), 387' muddy oil cut water<br>(5% mud, 20% oil, 75% water) and<br>441' mud cut water (5% mud, 95% -<br>water).<br>IFP:48-387#/30"ISIP:1007#/45"<br>FFP:390-618#/30"FSIP:1007#/45"   | 3250 |          | <ul> <li>shw of brwn oil, strng odr.</li> <li>3250: wht dolo, prtly grainy-prtly xln, some chps w/</li> <li>shw of brwn oil, strng odr.</li> <li>3260: wht xln dolo, poor por, nsfo, lots of dolo w/ shw, aa, strng odr.</li> <li>3270: incrs in xln dolo, aa, no sig change.</li> <li>3280: drty/wht fn xln dolo, poor-no por, ns, less than ten percent sysroc dolo w/ lght shw (uphole)</li> <li>3290: v. lght tan fn grain dolo, cemnt flooded, dense, poor-no por, ns, v. faint odr (uphole).</li> <li>3300: aa, no sig change.</li> <li>3310: v. lght tan fn grn sysrcosc dolo, v. well cemntd,</li> </ul>        |