



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1238195
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

| | | |
|-----------------------------------|-----------------|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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: _____



1238195

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. 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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|--|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | | | | |
| | | | | |

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | | | | | |

| | | |
|--|---|---|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | L. D. Drilling, Inc. |
| Well Name | LARRY 2-31 |
| Doc ID | 1238195 |

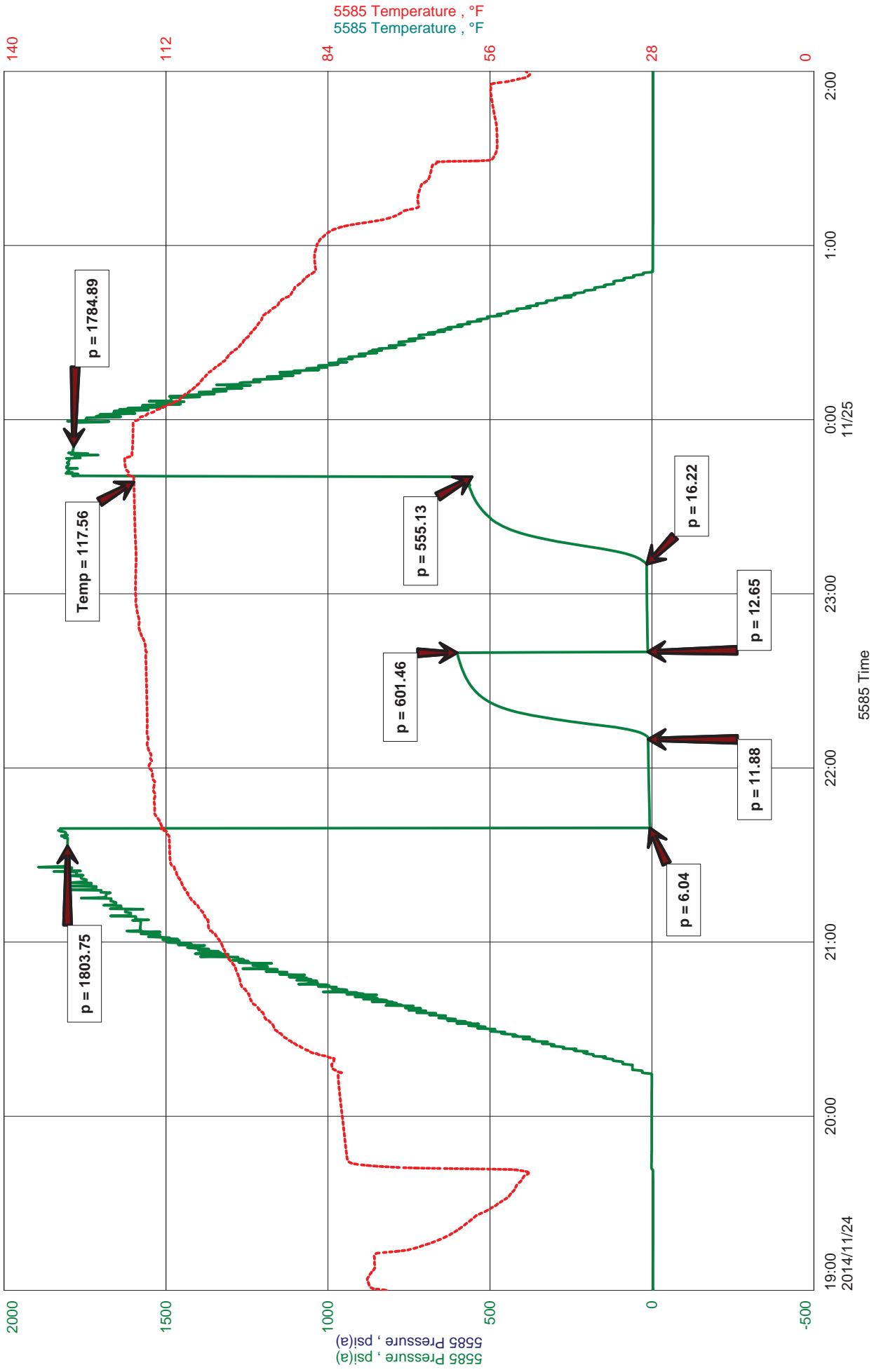
Tops

| Name | Top | Datum |
|---------------------|------|-------|
| ANHYDRITE | 2032 | +596 |
| BASE ANHYDRITE | 2063 | +565 |
| STOTLER | 3271 | -643 |
| HEEBNER | 3645 | -1017 |
| LANSING | 3685 | -1057 |
| STARK | 3925 | -1297 |
| MARMATON | 4021 | -1393 |
| FORT SCOTT | 4175 | -1547 |
| CHEROKEE | 4200 | -1572 |
| MISSISSIPPI SPERGEN | 4283 | -1655 |

L D DRILLING INC
DST 2 LKC H-J 3833-3920
Start Test Date: 2014/11/24
Final Test Date: 2014/11/25

LARRY 2-31
Formation: DST 2 LKC H-J 3833-3920
Pool: WILDCAT
Job Number: A123

LARRY 2-31



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

| | | | | |
|---------------------|------------------|------------------------------|----------------|-----------------|
| Company Name | L D DRILLING INC | L D DAVIS | Job Number | A123 |
| Contact | | LARRY 2-31 | Representative | ANDY CARREIRA |
| Well Name | | DST 2 LKC H-J 3833-3920 | Well Operator | LD DRILLING INC |
| Unique Well ID | | SEC 31-14S-29W GOVE CNTY, KS | Report Date | 2014/11/24 |
| Surface Location | | | Prepared By | ANDY CARREIRA |
| Well License Number | | | | |
| Field | | WILDCAT | | |
| Well Type | | Vertical | | |

Test Information

| | |
|-----------------|-------------------------|
| Test Type | CONVENTIONAL |
| Formation | DST 2 LKC H-J 3833-3920 |
| Well Fluid Type | 01 Oil |
| Test Purpose | Initial Test |

| | | | |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2014/11/24 | Start Test Time | 19:00:00 |
| Final Test Date | 2014/11/25 | Final Test Time | 02:00:00 |

| | |
|------------|------|
| Gauge Name | 5585 |
|------------|------|

Test Results

RECOVERY: 20' MUD

TOOL SAMPLE: LESS THAN 1% OIL, MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LARRY 2-31 DST1

TIME ON: 19:00
TIME OFF: 02:00

Company L D DRILLING INC Lease & Well No. LARRY 2-31
Contractor L D RIG Charge to L D DRILLING INC
Elevation 2628 KB Formation LKC "H-J" Effective Pay _____ Ft. Ticket No. A123
Date 11-24-14 Sec. 31 Twp. 14 S Range 29 W County GOVE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ANDY CARREIRA

Formation Test No. 1 Interval Tested from 3833 ft. to 3920 ft. Total Depth 3920 ft.
Packer Depth 3828 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3833 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3819 ft. Recorder Number 5585 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3835 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2000 P.P.M. Drill Pipe Length 3806 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 87 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, DEAD IN 15 MIN. (NObb)
2nd Open: NO BLOW (NObb)

| | |
|---|---------------|
| Recovered <u>20</u> ft. of <u>MUD</u> | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | Price Job |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____ | Insurance |
| TOOL SAMPLE: <u>LESS THAN 1% OIL, MUD</u> | Total |

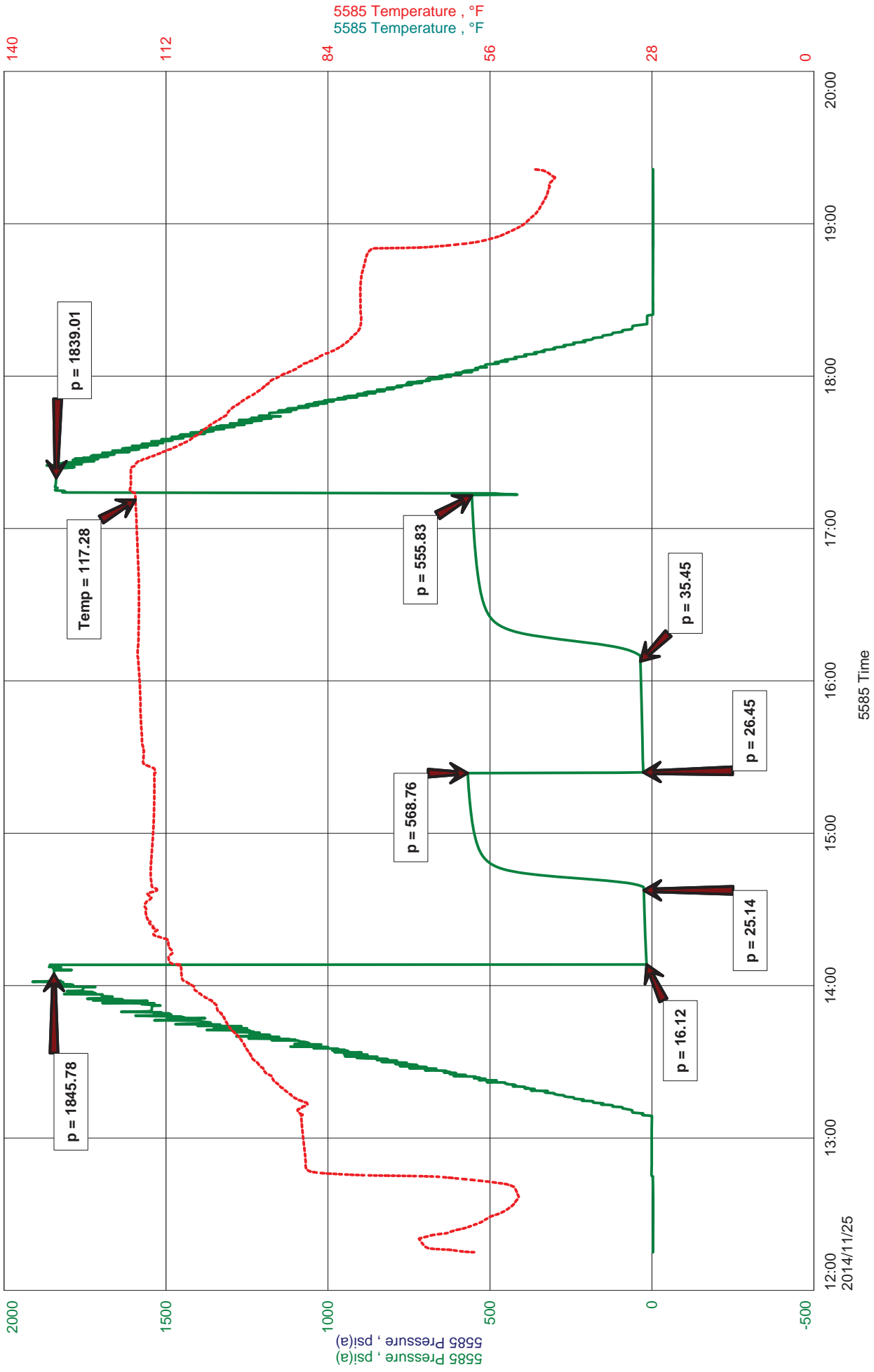
Time Set Packer(s) 9:40 PM A.M. P.M. Time Started Off Bottom 11:40 PM A.M. P.M. Maximum Temperature 118
Initial Hydrostatic Pressure..... (A) 1804 P.S.I.
Initial Flow Period..... Minutes 30 (B) 6 P.S.I. to (C) 12 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 601 P.S.I.
Final Flow Period..... Minutes 30 (E) 13 P.S.I. to (F) 16 P.S.I.
Final Closed In Period..... Minutes 30 (G) 555 P.S.I.
Final Hydrostatic Pressure..... (H) 1785 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L D DRILLING INC
DST2 LKC K-L 3917-3980
Start Test Date: 2014/11/25
Final Test Date: 2014/11/25

LARRY 2-31
Formation: DST2 LKC K-L 3917-3980
Pool: WILDCAT
Job Number: A124

LARRY 2-31



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

| | | | | | |
|---------------------|------------------------|---------------|---------------|-------------|------------|
| Company Name | L D DRILLING INC | Contact | L D DAVIS | Job Number | A124 |
| Well Name | LARRY 2-31 | Well Operator | ANDY CARREIRA | Report Date | 2014/11/25 |
| Unique Well ID | DST2 LKC K-L 3917-3980 | Prepared By | ANDY CARREIRA | | |
| Surface Location | SEC 31-14S | | | | |
| Well License Number | | | | | |
| Field | 29W GOVE CNTY, KS | | | | |
| Well Type | Vertical | | | | |

Test Information

| | |
|-----------------|------------------------|
| Test Type | CONVENTIONAL |
| Formation | DST2 LKC K-L 3917-3980 |
| Well Fluid Type | 01 Oil |
| Test Purpose | Initial Test |

| | | | |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2014/11/25 | Start Test Time | 12:15:00 |
| Final Test Date | 2014/11/25 | Final Test Time | 19:21:00 |

| | |
|------------|------|
| Gauge Name | 5585 |
|------------|------|

Test Results

RECOVERY: 64' SOSM LESS THAN 1% OIL, MUD

TOOL SAMPLE: LESS THAN 1% OIL, MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LARRY 2-31 DST2

TIME ON: 12:15
TIME OFF: 19:21

Company L D DRILLING INC Lease & Well No. LARRY 2-31
Contractor L D RIG Charge to L D DRILLING INC
Elevation 2628 KB Formation LKC "K-L" Effective Pay _____ Ft. Ticket No. A124
Date 11-25-14 Sec. 31 Twp. 14 S Range 29 W County GOVE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ANDY CARREIRA

Formation Test No. 2 Interval Tested from 3917 ft. to 3980 ft. Total Depth 3980 ft.
Packer Depth 3912 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3917 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3903 ft. Recorder Number 5585 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3919 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 44 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2400 P.P.M. Drill Pipe Length 3880 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 63 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW THROUGHOUT (NObb)
2nd Open: WEAK SURFACE BLOW THROUGHOUT (NObb)

| | |
|--|---------------|
| Recovered <u>64</u> ft. of <u>SOSM LESS THAN 1% OIL, MUD</u> | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | Price Job |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____ | Insurance |
| TOOL SAMPLE: <u>LESS THAN 1% OIL, MUD</u> | Total |

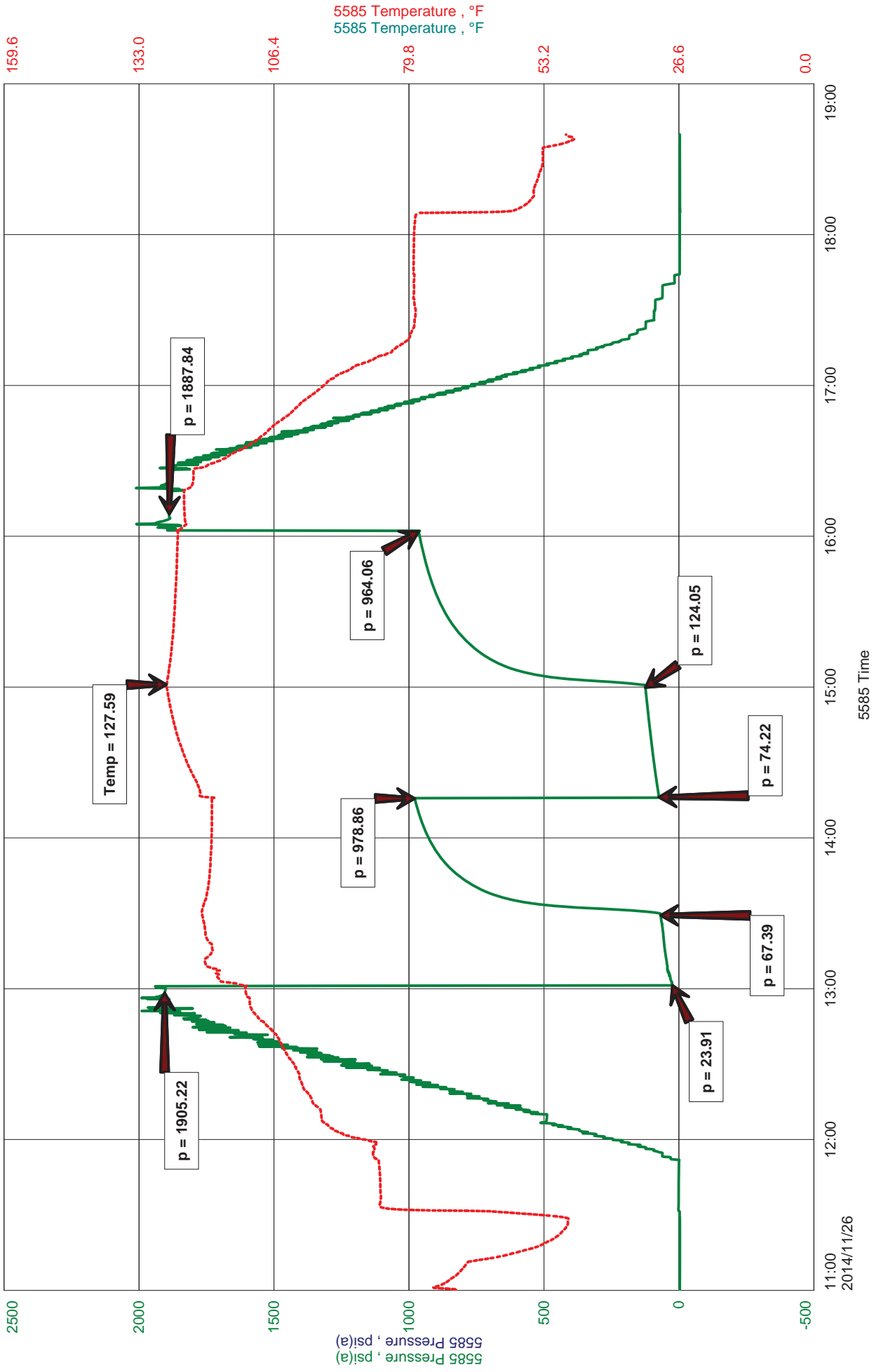
Time Set Packer(s) 2:09 PM A.M. P.M. Time Started Off Bottom 5:09 PM A.M. P.M. Maximum Temperature 117
Initial Hydrostatic Pressure..... (A) 1846 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 25 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 569 P.S.I.
Final Flow Period..... Minutes 45 (E) 26 P.S.I. to (F) 35 P.S.I.
Final Closed In Period..... Minutes 60 (G) 556 P.S.I.
Final Hydrostatic Pressure..... (H) 1839 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L D DRILLING INC
DST3 MARM-PAWNEE 4000-4147
Start Test Date: 2014/11/26
Final Test Date: 2014/11/26

LARRY 2-31
Formation: DST3 MARM-PAWNEE 4000-4147
Pool: WILDCAT
Job Number: A125

LARRY 2-31



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

| | | | | |
|---------------------|-----------------------------|------------|----------------|------------------|
| Company Name | L D DRILLING INC | L D DAVIS | Job Number | A125 |
| Contact | | LARRY 2-31 | Representative | ANDY CARREIRA |
| Well Name | | | Well Operator | L D DRILLING INC |
| Unique Well ID | DST3 MARM-PAWNEE 4000-4147 | | Report Date | 2014/11/26 |
| Surface Location | SEC 31-14S-29W GOVE CNTY,KS | | Prepared By | ANDY CARREIRA |
| Well License Number | | | | |
| Field | | WILDCAT | | |
| Well Type | | Vertical | | |

Test Information

| | |
|-----------------|----------------------------|
| Test Type | CONVENTIONAL |
| Formation | DST3 MARM-PAWNEE 4000-4147 |
| Well Fluid Type | 01 Oil |
| Test Purpose | Initial Test |

| | | | |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2014/11/26 | Start Test Time | 11:00:00 |
| Final Test Date | 2014/11/26 | Final Test Time | 18:40:00 |

| | |
|------------|------|
| Gauge Name | 5585 |
|------------|------|

Test Results

| | | |
|-----------|-------------------------------------|-------------------|
| RECOVERY: | 124' GIP | GRAVITY = 38 |
| | 3' CO | CHLORIDES = 53000 |
| | 63' GOCWM 5%G, 15%O, 10%W, 70%M | RW = .25 @ 75 |
| | 63' GOCWM 5%G, 5%O, 40%W, 50%M | PH = 6 |
| | 126' OSMW LESS THAN 1%O, 80%W, 20%M | |
| | 255' TOTAL FLUID | |

TOOL SAMPLE: LESS THAN 1% OIL, WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LARRY 2-31 DST3

TIME ON: 11:00
TIME OFF: 18:40

Company L D DRILLING INC Lease & Well No. LARRY 2-31
Contractor L D RIG Charge to L D DRILLING INC
Elevation 2628 KB Formation MARM-PAWNEE Effective Pay _____ Ft. Ticket No. A125
Date 11-26-14 Sec. 31 Twp. 14 S Range 29 W County GOVE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ANDY CARREIRA

Formation Test No. 3 Interval Tested from 4000 ft. to 4147 ft. Total Depth 4147 ft.
Packer Depth 3995 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4000 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3986 ft. Recorder Number 5585 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4002 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2600 P.P.M. Drill Pipe Length 3973 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 09 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 147 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 9" BLOW IN 30 MIN. (NObb)
2nd Open: BOB IN 30 MIN. (NObb)

| | |
|---|-------------------|
| Recovered <u>124</u> ft. of <u>GIP</u> | |
| Recovered <u>3</u> ft. of <u>CO</u> | GRAVITY = 38 |
| Recovered <u>63</u> ft. of <u>GOCWM 5%G, 15%O, 10%W, 70%M</u> | CHLORIDES = 53000 |
| Recovered <u>63</u> ft. of <u>GOCWM 5%G, 5%O, 40%W, 50%M</u> | RW = .25 @ 75 |
| Recovered <u>126</u> ft. of <u>OSMW LESS THAN 1%W, 80%W, 20%M</u> | PH = 6 |
| Recovered <u>255</u> ft. of <u>TOTAL FLUID</u> | Price Job |
| Remarks: _____ | Other Charges |
| TOOL SAMPLE: LESS THAN 1% OIL, WATER | Insurance |
| | Total |

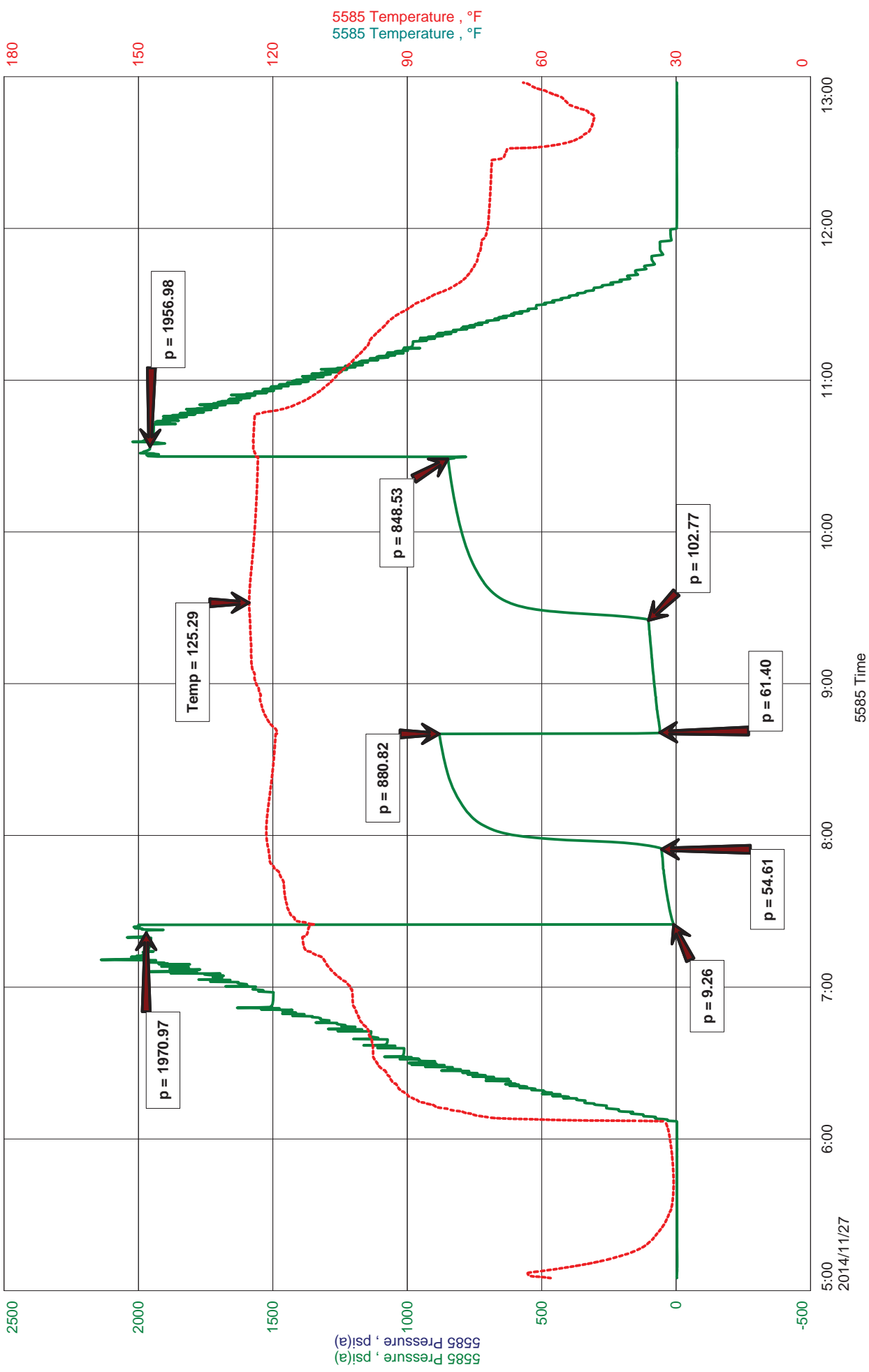
Time Set Packer(s) 1:00 PM A.M. P.M. Time Started Off Bottom 4:00 PM A.M. P.M. Maximum Temperature 128
Initial Hydrostatic Pressure..... (A) 1905 P.S.I.
Initial Flow Period..... Minutes 30 (B) 24 P.S.I. to (C) 67 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 979 P.S.I.
Final Flow Period..... Minutes 45 (E) 74 P.S.I. to (F) 124 P.S.I.
Final Closed In Period..... Minutes 60 (G) 964 P.S.I.
Final Hydrostatic Pressure..... (H) 1888 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L D DRILLING INC
DST4 MYRICK FT SCOTT 4138-4200
Start Test Date: 2014/11/27
Final Test Date: 2014/11/27

LARRY 2-31
Formation: DST4 MYRICK FT SCOTT 4138-4200
Pool: WILDCAT
Job Number: A126

LARRY 2-31



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

| | | | | |
|---------------------|--------------------------------|------------|----------------|---------------|
| Company Name | L D DRILLING INC | L D DAVIS | Job Number | A126 |
| Contact | | LARRY 2-31 | Representative | ANDY CARREIRA |
| Well Name | | | Well Operator | L D DAVIS INC |
| Unique Well ID | DST4 MYRICK FT SCOTT 4138-4200 | | Report Date | 2014/11/27 |
| Surface Location | SEC 31-14S-29W GOVE CNTY,KS | | Prepared By | ANDY CARREIRA |
| Well License Number | | | | |
| Field | | WILDCAT | | |
| Well Type | | Vertical | | |

Test Information

| | |
|-----------------|--------------------------------|
| Test Type | CONVENTIONAL |
| Formation | DST4 MYRICK FT SCOTT 4138-4200 |
| Well Fluid Type | 01 Oil |
| Test Purpose | Initial Test |

| | | | |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2014/11/27 | Start Test Time | 05:05:00 |
| Final Test Date | 2014/11/27 | Final Test Time | 12:58:00 |

| | |
|------------|------|
| Gauge Name | 5585 |
|------------|------|

Test Results

| | | |
|-----------|----------------------------|--------------|
| RECOVERY: | 385' GIP | |
| | 158' CGO 15%G, 85%O | |
| | 87' HOCGM 15%G, 35%O, 50%M | |
| | 245' TOTAL FLUID | GRAVITY = 35 |

TOOL SAMPLE: 30%OIL, 70%MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LARRY 2-31 DST4

TIME ON: 05:05
TIME OFF: 12:58

Company L D DRILLING INC Lease & Well No. LARRY 2-31
Contractor L D RIG Charge to L D DRILLING INC
Elevation 2628 KB Formation MYRICK/FT SCOTT Effective Pay _____ Ft. Ticket No. A126
Date 11-27-14 Sec. 31 Twp. _____ 14 S Range _____ 29 W County GOVE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ANDY CARREIRA

Formation Test No. 4 Interval Tested from 4138 ft. to 4200 ft. Total Depth 4200 ft.
Packer Depth 4133 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4138 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4119 ft. Recorder Number 5585 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4140 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 2600 P.P.M. Drill Pipe Length 4106 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 09 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 62 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB IN 12 MIN. (NObb)
2nd Open: BOB IN 12 MIN. (SURFACEbb)

Recovered 385 ft. of GIP
Recovered 158 ft. of CGO 15%G, 85%O GRAVITY = 35
Recovered 87 ft. of HOCGM 15%G, 35%O, 50%M
Recovered 245 ft. of TOTAL FLUID

| | |
|------------------------------|---------------|
| Recovered _____ ft. of _____ | Price Job |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____ | Insurance |
| TOOL SAMPLE: 30%OIL, 70%MUD | Total |

Time Set Packer(s) 7:25 AM A.M. P.M. Time Started Off Bottom 10:25 AM A.M. P.M. Maximum Temperature 125

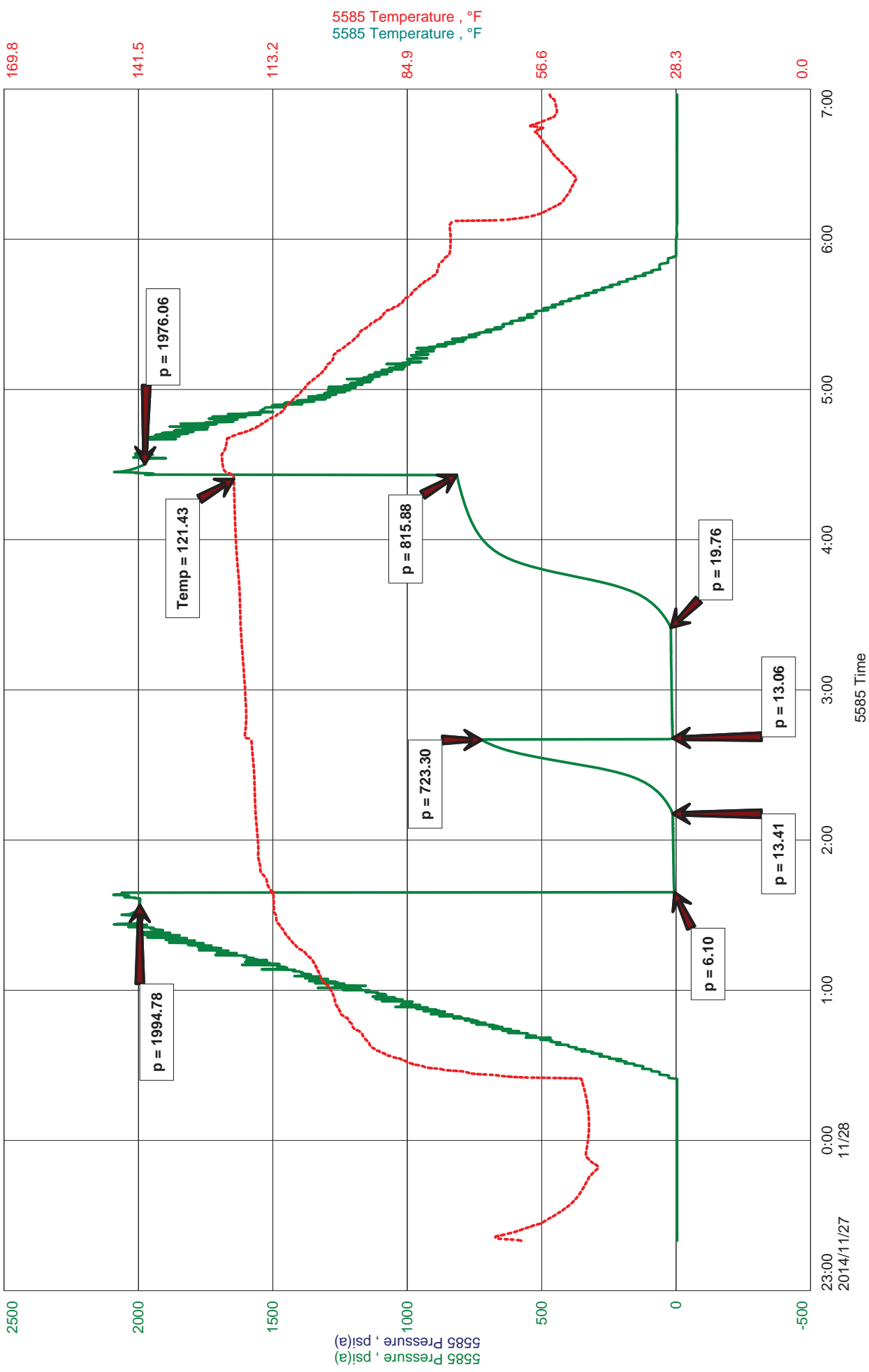
Initial Hydrostatic Pressure..... (A) 1971 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 55 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 881 P.S.I.
Final Flow Period..... Minutes 45 (E) 61 P.S.I. to (F) 103 P.S.I.
Final Closed In Period..... Minutes 60 (G) 849 P.S.I.
Final Hydrostatic Pressure..... (H) 1957 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L D DRILLING INC
DST5 CHERO JOHNSON 4198-4260
Start Test Date: 2014/11/27
Final Test Date: 2014/11/28

LARRY 2-31
Formation: DST5 CHERO JOHNSON 4198-4260
Pool: WILDCAT
Job Number: A127

LARRY 2-31



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

| | | | | |
|---------------------|------------------------------|------------|----------------|------------------|
| Company Name | L D DRILLING INC | L D DAVIS | Job Number | A127 |
| Contact | | LARRY 2-31 | Representative | ANDY CARREIRA |
| Well Name | | | Well Operator | L D DRILLING INC |
| Unique Well ID | DST5 CHERO JOHNSON 4198-4260 | | Report Date | 2014/11/27 |
| Surface Location | SEC 31-14S-29W GOVE CNTY,KS | | Prepared By | ANDY CARREIRA |
| Well License Number | | | | |
| Field | | WILDCAT | | |
| Well Type | | Vertical | | |

Test Information

| | |
|-----------------|------------------------------|
| Test Type | CONVENTIONAL |
| Formation | DST5 CHERO JOHNSON 4198-4260 |
| Well Fluid Type | 01 Oil |
| Test Purpose | Initial Test |

| | | | |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2014/11/27 | Start Test Time | 23:20:00 |
| Final Test Date | 2014/11/28 | Final Test Time | 07:00:00 |

| | |
|------------|------|
| Gauge Name | 5585 |
|------------|------|

Test Results

RECOVERY: 2' OIL
30' HMCO 60%O, 40%M
32' TOTAL FLUID

TOOL SAMPLE: 30%OIL, 70%MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LARRY 2-31 DST5

TIME ON: 23:20
TIME OFF: 07:00

Company L D DRILLING INC Lease & Well No. LARRY 2-31
Contractor L D RIG Charge to L D DRILLING INC
Elevation 2628 KB Formation CHERO/JOHNSON Effective Pay _____ Ft. Ticket No. A127
Date 11-27-14 Sec. 31 Twp. _____ 14 S Range _____ 29 W County GOVE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ANDY CARREIRA

Formation Test No. 5 Interval Tested from 4198 ft. to 4260 ft. Total Depth 4260 ft.
Packer Depth 4193 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4198 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4179 ft. Recorder Number 5585 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4200 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 46 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 8.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 2700 P.P.M. Drill Pipe Length 4166 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 09 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 62 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/2" BLOW (NObb)
2nd Open: SLOW BUILD TO 7" (NObb)

Recovered 2 ft. of OIL
Recovered 30 ft. of HMCO 60%O, 40%M
Recovered 32 ft. of TOTAL FLUID

| | |
|------------------------------|---------------|
| Recovered _____ ft. of _____ | Price Job |
| Recovered _____ ft. of _____ | Other Charges |
| Recovered _____ ft. of _____ | Insurance |
| Remarks: _____ | |
| TOOL SAMPLE: 30%OIL, 70%MUD | Total |

Time Set Packer(s) 1:42 AM A.M. P.M. Time Started Off Bottom 4:27 AM A.M. P.M. Maximum Temperature 121

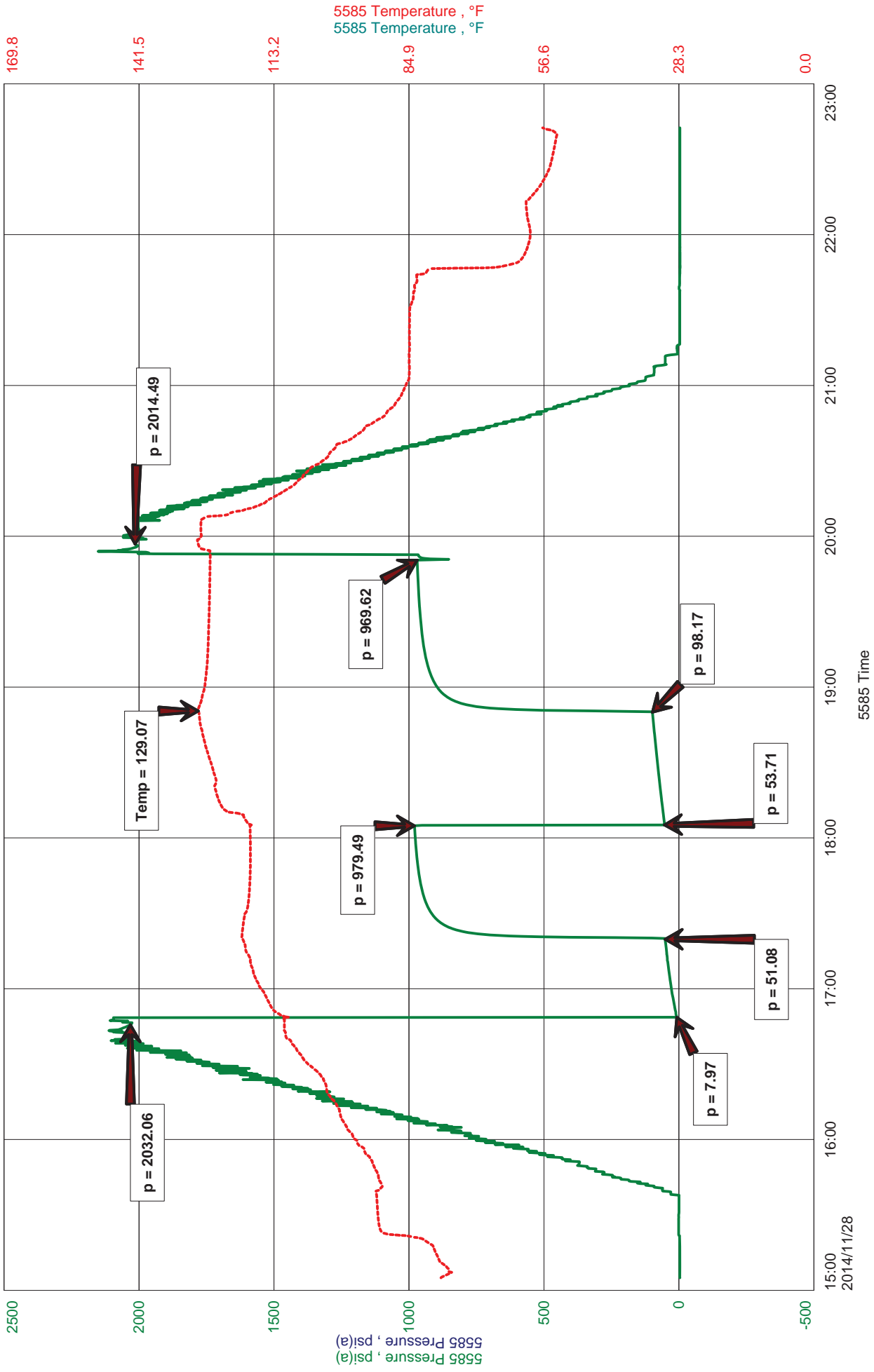
Initial Hydrostatic Pressure..... (A) 1995 P.S.I.
Initial Flow Period..... Minutes 30 (B) 5 P.S.I. to (C) 13 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 723 P.S.I.
Final Flow Period..... Minutes 45 (E) 13 P.S.I. to (F) 20 P.S.I.
Final Closed In Period..... Minutes 60 (G) 816 P.S.I.
Final Hydrostatic Pressure..... (H) 1976 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L D DRILLING INC
DST6 MISS 4258-4295
Start Test Date: 2014/11/28
Final Test Date: 2014/11/28

LARRY 2-31
Formation: DST6 MISS 4258-4295
Pool: WILDCAT
Job Number: A128

LARRY 2-31



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

| | | | | |
|---------------------|------------------|-----------------------------|----------------|------------------|
| Company Name | L D DRILLING INC | L D DAVIS | Job Number | A128 |
| Contact | | LARRY 2-31 | Representative | ANDY CARREIRA |
| Well Name | | DST6 MISS 4258-4295 | Well Operator | L D DRILLING INC |
| Unique Well ID | | SEC 31-14S-29W GOVE CNTY,KS | Report Date | 2014/11/28 |
| Surface Location | | | Prepared By | ANDY CARREIRA |
| Well License Number | | | | |
| Field | | WILDCAT | | |
| Well Type | | Vertical | | |

Test Information

| | |
|-----------------|---------------------|
| Test Type | CONVENTIONAL |
| Formation | DST6 MISS 4258-4295 |
| Well Fluid Type | 01 Oil |
| Test Purpose | Initial Test |

| | | | |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2014/11/28 | Start Test Time | 15:05:00 |
| Final Test Date | 2014/11/28 | Final Test Time | 22:42:00 |

| | |
|------------|------|
| Gauge Name | 5585 |
|------------|------|

Test Results

| | | |
|-----------|--------------------------------------|-------------------|
| RECOVERY: | 3' OIL | |
| | 67' OCWM 5%O, 10%W, 85%M | |
| | 63' OSMW LESS THAN 1%OIL, 20%W, 80%M | |
| | 63' OSMW LESS THAN 1%OIL, 70%W, 30%M | |
| | 196' TOTAL FLUID | |
| | | CHLORIDES = 11000 |
| | | RW = .58 @ 70 |
| | | PH = 7 |

TOOL SAMPLE: LESS THAN 1%OIL, 80%W, 20%M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LARRY 2-31 DST6

TIME ON: 15:05
TIME OFF: _____

Company L D DRILLING INC Lease & Well No. LARRY 2-31
Contractor L D RIG Charge to L D DRILLING INC
Elevation 2628 KB Formation MISS Effective Pay _____ Ft. Ticket No. A128
Date 11-28-14 Sec. 31 Twp. 14 S Range 29 W County GOVE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ANDY CARREIRA

Formation Test No. 6 Interval Tested from 4258 ft. to 4295 ft. Total Depth 4295 ft.
Packer Depth 4253 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4258 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4239 ft. Recorder Number 5585 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4260 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2400 P.P.M. Drill Pipe Length 4226 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 09 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 37 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 10" BLOW IN 30 MIN (NObb)
2nd Open: 10" BLOW IN 45 MIN. (NObb)

Recovered 3 ft. of OIL
Recovered 67 ft. of OCWM 5%O, 10%W, 85%M
Recovered 63 ft. of OSWM LESS THAN 1%OIL, 20%W, 80%M
Recovered 63 ft. of OSMW LESS THAN 1%OIL, 70%W, 30%M

| | | |
|--|-------------------|---------------|
| Recovered <u>196</u> ft. of <u>TOTAL FLUID</u> | CHLORIDES = 11000 | Price Job |
| Recovered _____ ft. of _____ | RW = .58 @ 70 | Other Charges |
| Remarks: _____ | PH = 7 | Insurance |
| TOOL SAMPLE: LESS THAN 1% OIL, 80%W, 20%M | | Total |

Time Set Packer(s) 4:50 PM A.M. P.M. Time Started Off Bottom 7:50 PM A.M. P.M. Maximum Temperature 129

Initial Hydrostatic Pressure..... (A) 2032 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 51 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 979 P.S.I.
Final Flow Period..... Minutes 45 (E) 54 P.S.I. to (F) 98 P.S.I.
Final Closed In Period..... Minutes 60 (G) 970 P.S.I.
Final Hydrostatic Pressure..... (H) 2014 P.S.I.

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KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.
 LEASE # 2-31 LARRY
 FIELD LUNDGREN
 LOCATION 2310' FSL & 1750' FEL
 SEC 31 TWP 14s RGE 29w
 COUNTY GOVE STATE KANSAS
 CONTRACTOR L. D. DRILLING, INC.
 SPUD 6-18-14 * COMP 11-29-14
 RTD 4401 LTD 4404
 MUD UP 3417 TYPE MUD CHEMICAL

ELEVATIONS
 KB 2628
 DF _____
 GL 2623
 Measurements Are All
 From 2628 KB
 CASING
 SURFACE 8 5/8" @ 329'
 PRODUCTION 5 1/2" @
 ELECTRICAL SURVEYS
 DUAL IND., DENS-N., MICRO

SAMPLES SAVED FROM 3300 TO 4400
 DRILLING TIME KEPT FROM 3200 TO 4400
 SAMPLES EXAMINED FROM 3300 TO 4400
 GEOLOGICAL SUPERVISION FROM 3500 TO 4400
 GEOLOGIST ON WELL KIM B. SHOEMAKER

| FORMATION TOPS | LOG | SAMPLES |
|----------------|-----------|-----------|
| ANHYDRITE | 2032+596 | 2028+600 |
| B/ANK. | 2063+565 | 2060+568 |
| STOTLER | 3271-643 | 3267-639 |
| HEEBNER | 3645-1017 | 3642-1014 |
| LANSING | 3685-1057 | 3680-1052 |
| STARK | 3925-1297 | 3920-1292 |
| MARMATON | 4021-1393 | 4017-1389 |
| FORT SCOTT | 4175-1547 | 4171-1543 |
| CHEROKEE | 4200-1572 | 4198-1570 |
| MISS. SPERGEN | 4283-1655 | 4280-1652 |



REMARKS

* Spudded well, moved off after surface set, returned to finish

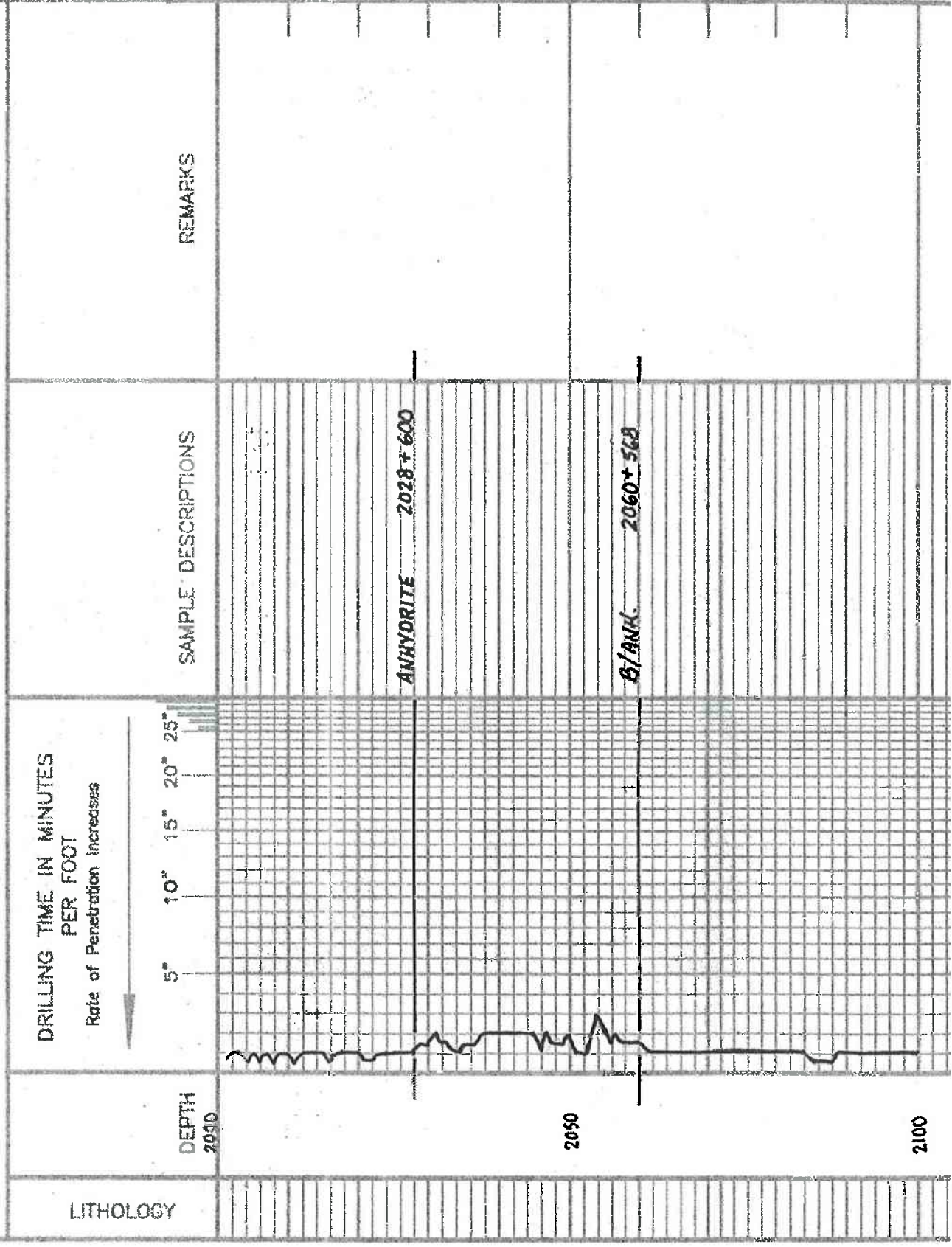
6-18-14 Spud 11-21 @ 4400'
 6-19 Set Surf, shot down
 11-19 Riser up
 11-20 @ 945'
 11-21 @ 2286'
 11-22 @ 2935'
 11-23 @ 3385'
 11-24 @ 3785'
 11-25 @ 3940'
 11-26 @ 4120'
 11-27 @ 4200'
 11-28 @ 4260'

API: 15-063-2220B

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Ool. Lims
- Chert
- Dolomite

SHOE01-11



3200

3300

3400

STOTLER 3267-639

Samples are tagged

Sh. 6346

Displaced @ 3317

Sh. wt. Sh. Foss. Sil. A

Sh. 64
Wt. 86
Wt. 68
Cal. 1100

Sh. Foss. Cyclic.

Sh. 64

Sh. 64 V. Foss. V. Sil. Foss. Sil. D. 101

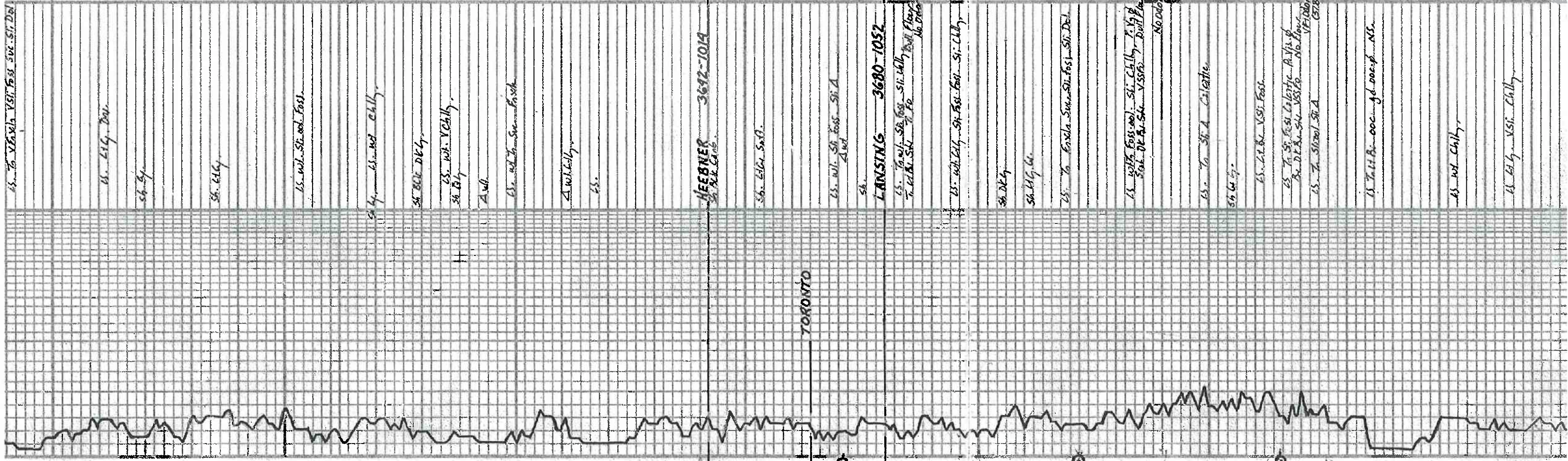
3600

3400

3200

3000

TORONTO



As. To Vanda Yell. For. Sil. Sil. Del.

As. 614. Del.

Sh. 64.

Sh. 614.

As. wt. Sil. and. For.

Sh. 64. As. wt. Chilly.

Sh. 606. Del.

As. wt. V. Chilly.

Sh. 64.

As. wt.

As. wt. Sil. and. For.

As. wt. Chilly.

As.

HEEBNER
3692-1019

Sh. 614. Del.

As. wt. Sil. For. Sil. A

Sh.

LANSING 3680-1052

As. wt. Sil. For. Sil. Chilly. For. For. No. Del.

As. wt. Sil. For. Sil. Chilly.

Sh. 64.

Sh. 614. Del.

As. To For. Sil. For. Sil. Del.

As. wt. For. For. Sil. Chilly. For. For. No. Del. (3750)

Sh. 64.

As. To Sil. A. Caliente.

Sh. 64.

As. To Sil. A. V. Sil. For.

As. To Sil. A. Caliente. For. For. No. Del. (3750)

As. To Sil. A. V. Sil. For.

As. To Sil. A. Caliente. For. For. No. Del. (3750)

As. To Sil. A. Caliente. For. For. No. Del. (3750)

As. wt. Chilly.

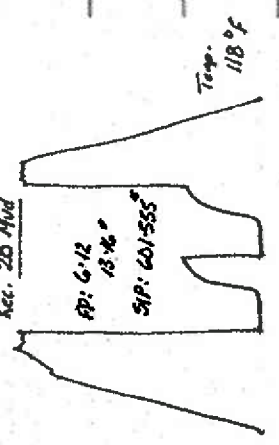
As. 614. V. Sil. Chilly.

MUNCIE CREEK 3834-1206

15' 51" WT: 8.9
15' 10" CH: 2000
15' 00" WT: 8.9
15' 00" CH: 2000

DST (2) 3833-3920

15' 00" Surf. Blow 15 min.
24' 00" No Blow
30-30-30-30
Rec. 20' Mud



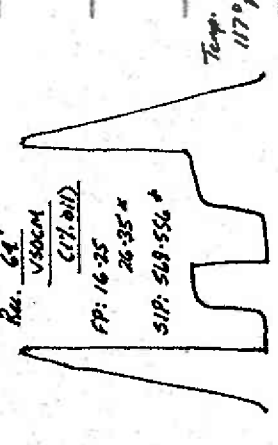
AP: 6-12
18%
SIP: 601-555*

Temp. 118°F

Tool Sample: Sp. Soil, Mud.

DST (2) 3917-3980

15' 00" Surf. Blow 7' Mud
24' 00" No Blow
30-45-45-60



Rec. 64'
VISOCM
CIT. 011
FP: 16-25
26-35%
SIP: 518-556*

Temp. 117°F

Tool Sample: Sp. Soil, Mud.

STARK 3920-1292

15' 00" Surf. Blow 15 min.
24' 00" No Blow
30-45-45-60

HUSHUCKNEY 3986-1328

15' 00" Surf. Blow 15 min.
24' 00" No Blow
30-45-45-60

15' 44" WT: 9.0
15' 18" CH: 2400

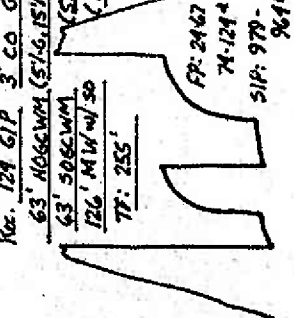
15' 00" Surf. Blow 15 min.
24' 00" No Blow
30-45-45-60

MARMATON 4017-1389

15' 00" Surf. Blow 15 min.
24' 00" No Blow
30-45-45-60

DST (3) 4000-9147

15' 00" Surf. Blow 15 min.
24' 00" No Blow
30-45-45-60



Rec. 124' 61P, 3' CO GIAR. 38
63' HOSGWM (51.6, 151.6, 101.4, 201.4)
63' 5062WIM
126' MWM 50
77: 255'
FP: 24-67
74-124%
SIP: 979-364*CH: 53,000
PH: 25 @ 75%
PH: 6.0
Temp 128°F

Tool Sample: Water spots oil.

PAWNEE 4111-1483

15' 00" Surf. Blow 15 min.
24' 00" No Blow
30-45-45-60

MYRICK STATION 4147-1519

15' 00" Surf. Blow 15 min.
24' 00" No Blow
30-45-45-60

DST (4) 4138-4200

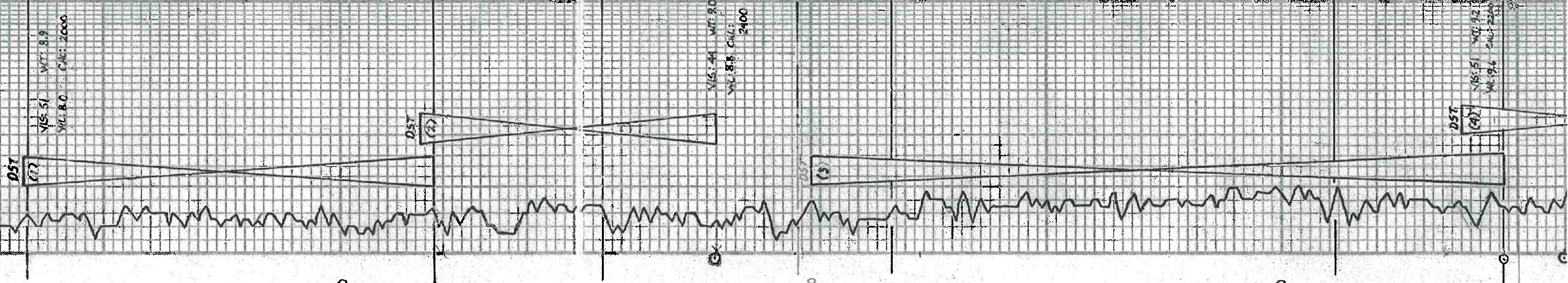
15' 00" Surf. Blow 15 min.
24' 00" No Blow
30-45-45-60

DST (1)

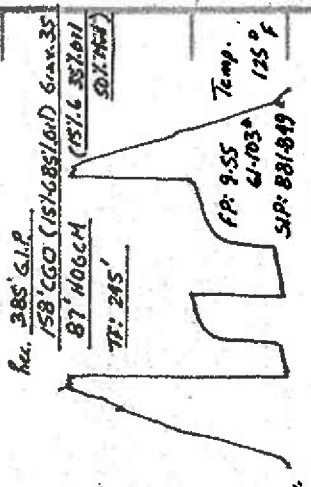
DST (2)

DST (3)

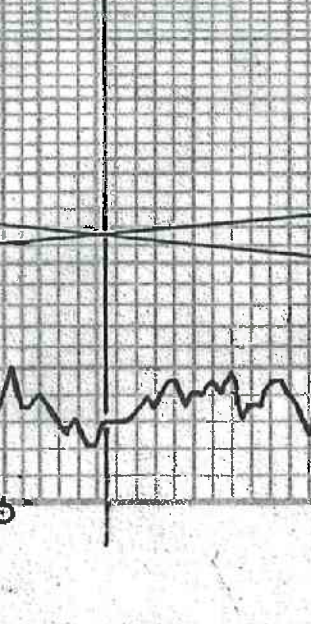
DST (4)



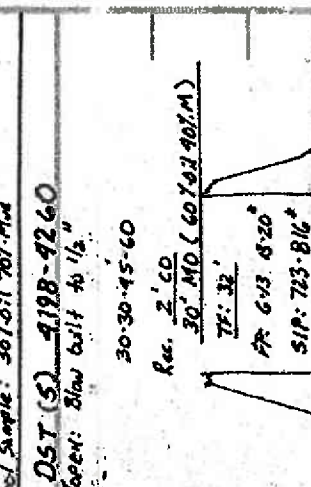
405



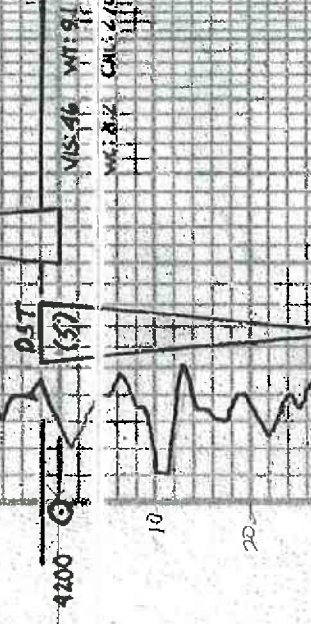
SHALE Lath. 417-1513
 65. Dry. od. Calc. in P. by d
 Sul. H. Sul. YSSER Dull. Sil. Flaw. V. Odor
 65. Cl. by. Dull.



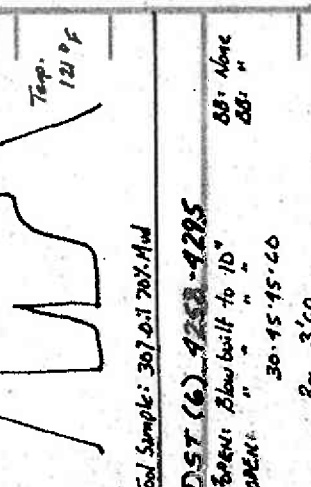
CHEROKEE 4198-1570
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor



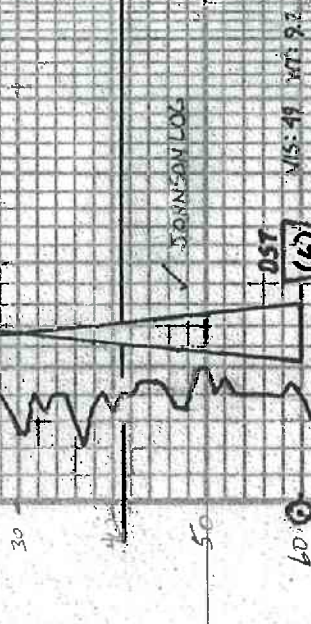
MISSISSIPPI ST. LOUIS 4220
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor



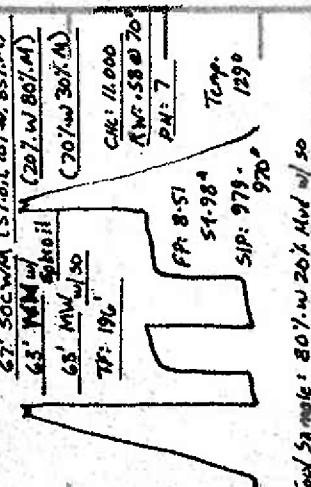
MISSISSIPPI ST. LOUIS 4220
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor



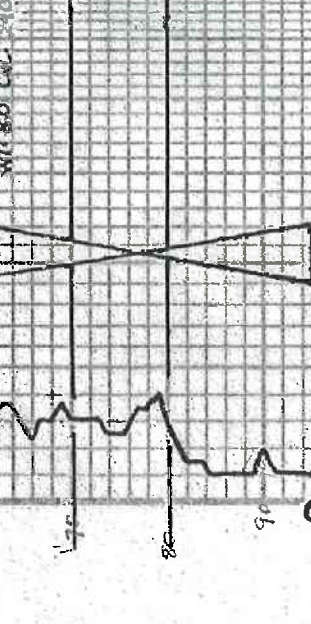
MISSISSIPPI ST. LOUIS 4220
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor



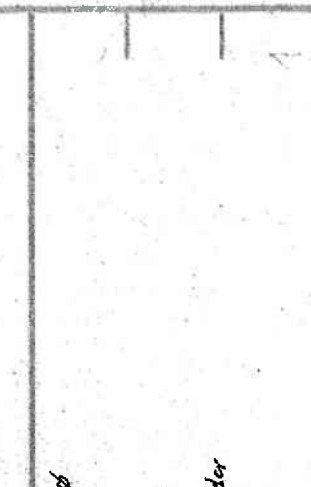
MISSISSIPPI ST. LOUIS 4220
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor



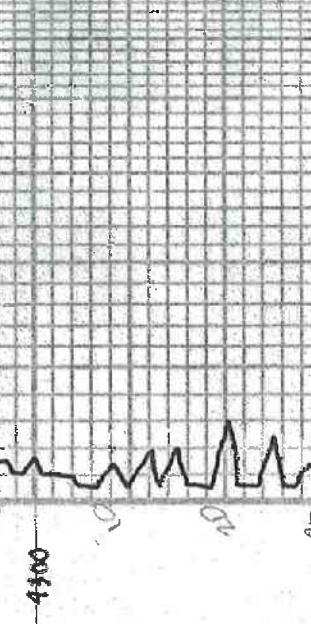
MISSISSIPPI ST. LOUIS 4220
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor



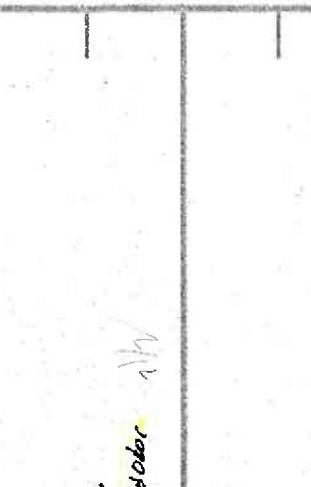
MISSISSIPPI ST. LOUIS 4220
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor



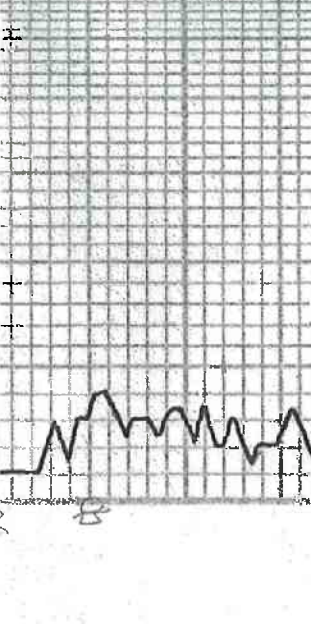
MISSISSIPPI ST. LOUIS 4220
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor



MISSISSIPPI ST. LOUIS 4220
 65. Top. Sil. Flaw. Sil. Flaw. P. by d
 55% Dull. Flaw. Flaw. Odor



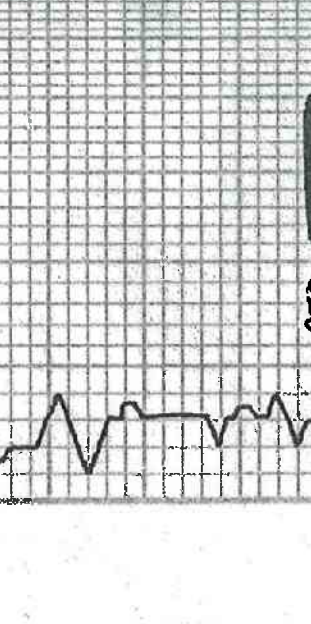
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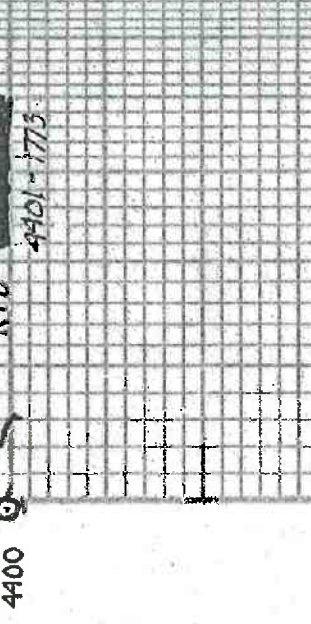
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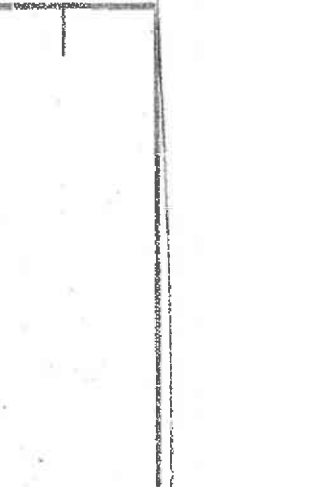
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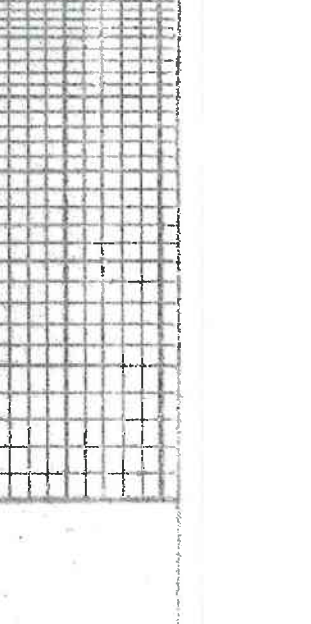
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BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

31-14-29

FIELD SERVICE TICKET
1718 11539 A

DATE _____ TICKET NO. _____

| | | | | | | | |
|-----------------------------|---|--|-----------------------------------|-------------------------------|------------------------------|------------------------------|---------------------|
| DATE OF JOB 11-30-14 | DISTRICT Pratt | NEW WELL <input checked="" type="checkbox"/> | OLD WELL <input type="checkbox"/> | PROD <input type="checkbox"/> | INJ <input type="checkbox"/> | WDW <input type="checkbox"/> | CUSTOMER ORDER NO.: |
| CUSTOMER LD Drilling Inc | LEASE Larry | 2-31 | | WELL NO. | | | |
| ADDRESS | COUNTY Gove | STATE KS | | | | | |
| CITY | STATE | SERVICE CREW Josh Beachy Riley Joe | | | | | |
| AUTHORIZED BY | JOB TYPE: <u>CNW 5 1/2 2 stage LOWESTRANG</u> | | | | | | |
| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS | TRUCK CALLED | DATE AM TIME |
| 27463 | 2hr | | | | | | 11-29-14 1330 |
| 14903-21010 | 2hr | | | | | ARRIVED AT JOB | 11-29-14 AM 2300 |
| 19960-19860 | 2hr | | | | | START OPERATION | 11-30-14 AM 0230 |
| 92911 | | | | | | FINISH OPERATION | PM 0430 |
| | | | | | | RELEASED | PM 0530 |
| | | | | | | MILES FROM STATION TO WELL | 175 |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| CP 100C | Common cement | SK | 175 | | 2,800 00 |
| CP 101 | A-con Blend cement | SK | 325 | | 5,850 00 |
| CP 103 | 60/40 P02 | SK | 30 | | 360 00 |
| CC 102 | Celloflase | lb | 88 | | 325 60 |
| CC 109 | Calcium Chloride | lb | 996 | | 1,045 80 |
| CC 111 | SALT | lb | 790 | | 395 00 |
| CC 130 | C-51 | lb | 33 | | 825 00 |
| CC 201 | Gilsonite | lb | 875 | | 586 25 |
| CF 401 | TWO Stage Cement Collar | eq | 1 | | 6,100 00 |
| CF 601 | 5/2 Latch Down Plug | eq | 1 | | 850 00 |
| CF 1251 | AUTO fill shoe | eq | 1 | | 360 00 |
| CF 1651 | Turbolizer | eq | 7 | | 770 00 |
| CF 1900 | Basket | eq | 1 | | 290 00 |
| CF 2001 | Cement Scratchers | eq | 5 | | 375 00 |
| CC 1000 | Mud flush | gal | 1000 | | 11,500 00 |

| CHEMICAL / ACID DATA: | | | |
|-----------------------|--|--|--|
| | | | |
| | | | |
| | | | |

| | |
|---------------------|------------|
| SERVICE & EQUIPMENT | %TAX ON \$ |
| MATERIALS | %TAX ON \$ |

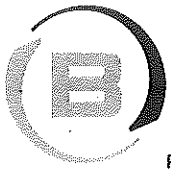
SUB TOTAL

TOTAL
69

| | |
|--|---|
| SERVICE REPRESENTATIVE <u>[Signature]</u> | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> |
|--|---|

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

~~1718 11540~~ A

COND

DATE _____ TICKET NO. 1718 11539 A

| | | | |
|---|--|--|--|
| DATE OF JOB <u>11-30-14</u> DISTRICT <u>Pratt</u> | | NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: | |
| CUSTOMER <u>LD Drilling Inc</u> | | LEASE <u>Lairy</u> <u>2-37</u> WELL NO. | |
| ADDRESS _____ | | COUNTY <u>Govt</u> STATE <u>KS</u> | |
| CITY _____ STATE _____ | | SERVICE CREW _____ | |
| AUTHORIZED BY _____ | | JOB TYPE: _____ | |

| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS | TRUCK CALLED | DATE | AM | PM | TIME |
|------------|-----|------------|-----|------------|-----|----------------------------|------|----|----|------|
| | | | | | | ARRIVED AT JOB | | AM | PM | |
| | | | | | | START OPERATION | | AM | PM | |
| | | | | | | FINISH OPERATION | | AM | PM | |
| | | | | | | RELEASED | | AM | PM | |
| | | | | | | MILES FROM STATION TO WELL | | | | |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| E 100 | Pickup mileage | mi | 175 | | 787.50 |
| E 101 | Heavy mileage | mi | 350 | 525 | 3,937.50 |
| E 113 | Bulls Delivery | Trm | 43 | 49 | 10,871.88 |
| CE 205 | Depth charge | 4hr | 1 | | 2,520.00 |
| CE 240 | Mixing charge | SK | 530 | | 742.00 |
| CE 504 | Plug container | JOB | 4 | | 250.00 |
| S 003 | Supervision | eq | 1 | | 175.00 |

SUB TOTAL 41,716.53

| CHEMICAL / ACID DATA: | | | |
|-----------------------|--|--|--|
| | | | |
| | | | |
| | | | |

| | | |
|---------------------|------------|------------------|
| SERVICE & EQUIPMENT | %TAX ON \$ | |
| MATERIALS | %TAX ON \$ | |
| Discouraged TOTAL | | <u>27,950.08</u> |

| | |
|---|--|
| SERVICE REPRESENTATIVE <u>[Signature]</u> | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> |
| FIELD SERVICE ORDER NO. | (WELL OWNER OPERATOR CONTRACTOR OR AGENT) |

BASIC

energy services, L.P.

TREATMENT REPORT

BOTTOM STAGE

| | | |
|-----------------------------|--------------------------------|-----------------------------------|
| Customer LD Drilling | Lease No. | Date 11-30-14 |
| Lease Larry | Well # 2.31 | |
| Field Order # 11539 | Station Pratt | Casing 5/2 |
| | | Depth 4400 |
| | | County GOVE |
| | | State KS |
| Type Job CNW | 5/2 2 stage Long string | |
| | Formation 5/2-4395' | Legal Description 31-14-29 |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|------------------------|--------------|------------------|----|------------|------------|------------------|------------------|--|
| Casing Size | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP | |
| 5/2 | | | | | | | | |
| Depth 4400 | Depth | From | To | Pre Pad | Max | | 5 Min. | |
| Volume 107 | Volume | From | To | Pad | Min | | 10 Min. | |
| Max Press | Max Press | From | To | Frac | Avg | | 15 Min. | |
| Well Connection | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure | |
| Plug Depth 4385 | Packer Depth | From | To | Flush | Gas Volume | | Total Load | |

| | | | | | | |
|-------------------------------------|------------------------------|--------------------|---------------|-------|-------|------------|
| Customer Representative Rick | Station Manager Kevin | Treater JOE | | | | |
| Service Units | 27463 | 19903 | 21010 | 19960 | 19860 | 92911 |
| Driver Names | JOSE | BIBLEY | Beachy | | | JOE |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|------|-----------------|-----------------|--------------|------|--------------------------------------|
| 2300 | | | | | ONLOC / safety meeting |
| 2338 | | | | | start Running CSG |
| | | | | | Run float shoe |
| | | | | | Latch Down Baffle in TOP of 10' shoe |
| | | | | | Cent. on 1-3-5-7-9-11-54 |
| | | | | | Bask on Bottom of JT 55 |
| | | | | | DV TOOL ON TOP of JT 55 @ 2052 |
| 0130 | | | | | CSG on Bottom circ with Big |
| 0230 | | | | | Hooks up to Pump TRIS to start JOB |
| 0230 | 300 | | 24 | 5 | mud flush |
| | | | 5 | 5 | H2O spacer |
| | 150 | | 40 | 5 | Mix 175 sls of commencement @ 15.3 |
| | | | 0 | 0 | shut down clear Pump & Lines |
| | 150 | | 0 | 6.5 | Release Plug start H2O DISP |
| | | | 60 | 6.5 | LIST PST H2O in |
| | 300 | | 70 | 6.5 | LIST PST |
| | 700 | | 100 | 4 | slow Bare |
| 315 | 1500 | | 107 | 0 | Plug down with mud |
| | | | | | Drop opening tool |
| 330 | 800 | | | | DU DU OPEN Bottom |
| | | | | | circ with Big |
| | | | | | 2nd stage complete |
| | | | | | Thank you JOE |

BASIC

energy services, L.P.

TREATMENT REPORT

TOP STAGE

| | | |
|-----------------------------|----------------------|----------------------|
| Customer LD Drilling | Lease No. | Date 11-30-14 |
| Lease Larry | Well # 2-31 | |
| Field Order # 11539 | Station Pratt | Casing 5/2 |
| | | Depth 2052 |
| Type Job | Formation | County Gove |
| | | State KS |
| | | Legal Description |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|------------------------|--------------|------------------|----|------------|------------|------------------|------------------|--|
| Casing Size | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP | |
| 572 | | | | Pre Pad | Max | | 5 Min. | |
| Depth 2052 | Depth | From | To | Pad | Min | | 10 Min. | |
| Volume 50 | Volume | From | To | Frac | Avg | | 15 Min. | |
| Max Press | Max Press | From | To | | HHP Used | | Annulus Pressure | |
| Well Connection | Annulus Vol. | From | To | Flush | Gas Volume | | Total Load | |
| Plug Depth 2052 | Packer Depth | From | To | | | | | |

| | | |
|-------------------------------------|------------------------------|--------------------|
| Customer Representative Bill | Station Manager Kevin | Treater JOE |
| Service Units 27463 | 19903 | 21010 |
| Driver Names JOSH | BILEY | JOE |

| Time | Casing Pressure | Tubing Pressure | Bbbs. Pumped | Rate | Service Log |
|------|-----------------|-----------------|--------------|------|--|
| 0348 | | | | | START TOP STAGE |
| 0348 | 250 | | 160 | 5 | MIX 325 SF OF ACON @ 11.6 |
| | | | | | SHUT DOWN PR CLEAR PUMP & LINES |
| 0410 | 250 | | | 5 | RELEASE PLUG START H2O DISP. |
| | 500 | | | 5 | LIST PSF |
| | | | 40 | 3 | SLOW RATE |
| 0430 | 1500 | | 50 | | PLUG DOWN |
| | | | | | CURE 30 MIN CEMENT TO P&T |
| | | | | | TOP STAGE COMPLETE |
| | | | | | THANK YOU JOE |
| | | | | | JOB COMPLETE |
| | | | | | THANK YOU JOE |



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ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 10887 A

DATE _____ TICKET NO. _____

| | | | | | | | | |
|---|-----------|--|-----|----------------------|-----|----------------------------------|-----------|--------------|
| DATE OF JOB 06-18-14 DISTRICT PRA # | | NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: | | | | | | |
| CUSTOMER L.O. Drilling | | LEASE LARRY | | WELL NO. 2-31 | | | | |
| ADDRESS | | COUNTY Gove | | STATE KS | | | | |
| CITY STATE | | SERVICE CREW Sullivan, Morrow, Cobbe | | | | | | |
| AUTHORIZED BY | | JOB TYPE: CNW 8 1/2" SURFACE | | | | | | |
| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS | TRUCK CALLED 6-18-14 DATE | AM | TIME |
| 27686-19905 | 30 | m | | | | | PM | 6:20 |
| 19960-21010 | 30 | m | | | | ARRIVED AT JOB | AM | 9:30 |
| 37900 | | | | | | START OPERATION | AM | 11:25 |
| | | | | | | FINISH OPERATION | AM | 12:00 |
| | | | | | | RELEASED | PM | 12:30 |
| | | | | | | MILES FROM STATION TO WELL | | 175 |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| CP 103 | 60/40 pot amt | SK | 300 | | 3,600.00 |
| CC 102 | cellfak | lb | 75 | | 277.50 |
| CC 109 | Calcium chloride | lb | 774 | | 217.90 |
| E 100 | unit m | m | 175 | | 743.75 |
| E 101 | Heavy grit | m | 350 | | 2,450.00 |
| E 113 | Bulk Nelson | TN | 2258 | | 4,966.50 |
| CE 200 | Depth Charge | SA | 1 | | 1,000.00 |
| CE 240 | Blending - m | SK | 300 | | 420.00 |
| S 003 | Screen Super | SA | 1 | | 175.00 |

SUB TOTAL **10,400.72**

| | | | |
|-----------------------|--|--|--|
| CHEMICAL / ACID DATA: | | | |
| | | | |
| | | | |
| | | | |

| | | |
|---------------------|------------|--|
| SERVICE & EQUIPMENT | %TAX ON \$ | |
| MATERIALS | %TAX ON \$ | |
| TOTAL | | |

SERVICE REPRESENTATIVE **Robert Fuller**

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **RHL W. L.**
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

| | | | |
|-------------------------------------|-----------------------------|--------------------------------------|---------------------|
| Customer <i>L.O. Drilling</i> | Lease No. | Date <i>6-18-14</i> | |
| Lease <i>HARRY</i> | Well # <i>2-31</i> | | |
| Field Order # <i>10887</i> | Station <i>PRATT 1cs</i> | Casing <i>8 5/8</i> | Depth <i>329</i> |
| Type Job <i>CW 8 5/8 surface</i> | Formation | County <i>GOVE</i> | State <i>KS</i> |
| | | Legal Description <i>31-14-14</i> | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | TREATMENT RESUME | | |
|---------------------------------|--------------|------------------|----|------------|------------------|-------|------------------|
| Casing Size <i>8 5/8</i> | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP |
| Depth <i>329</i> | Depth | From | To | Pre Pad | Max | | 5 Min. |
| Volume <i>11</i> | Volume | From | To | Pad | Min | | 10 Min. |
| Max Press <i>300</i> | Max Press | From | To | Frac | Avg | | 15 Min. |
| Well Connection <i>swage</i> | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure |
| Plug Depth <i>314</i> | Packer Depth | From | To | Flush | Gas Volume | | Total Load |

| | | |
|---|--------------------------------------|--------------------------------|
| Customer Representative | Station Manager <i>DAVE SCOTT</i> | Treater <i>Robert J. D.</i> |
| Service Units <i>37900 77626 19905 19960 21010</i> | | |
| Driver Names <i>Sullivan McRau Cobbe</i> | | |

| Time | Casing Pressure | Tubing Pressure | Bbbs. Pumped | Rate | Service Log |
|--------------|-----------------|-----------------|--------------|------------|---|
| <i>9:30</i> | | | | | <i>on the safety mety</i> |
| <i>11:20</i> | | | | | <i>CASING ON BOTTOM</i> |
| <i>11:25</i> | | | <i>3</i> | <i>3</i> | <i>hook rig circ sp.</i> |
| | | | | <i>4.5</i> | <i>st spread</i> |
| | | | <i>64</i> | | <i>mix cont 300 sk 60/40 102 3%cc 4cc</i> |
| | | | | | <i>cont mixed</i> |
| <i>12:00</i> | | | <i>19</i> | | <i>st dip</i> |
| | | | | | <i>plug down</i> |
| | | | | | <i>1 circ 10 BSL cont pit</i> |
| | | | | | <i>JOB Complete</i> |
| | | | | | <i>Thank you</i> |