



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1229040
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
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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: _____

1229040

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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WELL INFORMATION

Company: RITCHIE EXPLORATION INC.
Address: P.O.BOX 783188, WICHITA, KS, 67278-3188
316-691-9500

Well Name: #1 JAMES TRUST 8AD

Location: 335' FSL, 1430' FEL
SEC. 8-T16S-R28W
LANE COUNTY, KANSAS

API: 15-101-22530-0000
Field: WILDCAT

K.B. Elevation: 2667 KB Rotary Depth: 4519
Ground Elevation: 2662 GL Log Depth: 4518

Spud Date: 7/19/2014 Drilling Completed: 7/29/2014

Completion: D&A
Formation at TD: MISSISSIPPIAN
Drilling Fluid Type: CHEMICAL

Surface Casing: 8 5/8" SET AT 260' Production Casing: NONE

Rig Contractor: WW DRILLING, LLC, Rig #8
Logger: NABORS Logs Run: CND, DI
Wellsite Geologist: LARRY FRIEND

FORMATION DEPTHS

COMPARED TO:
CORAL PRODUCTION CORP.
JOE BOB JAMES TRUST 8-1
NE SE SE, 8-T16S-R28W (10/19/2007)

FORMATION DEPTHS	SAMPLE	LOG	
ANHYDRITE	2069 (+598)	2068 (+599)	-3
BS. ANHYDRITE	N/A	2102 (+565)	-4
STOTLER	3439 (-772)	3438 (-771)	-1
HEEBNER	3830 (-1163)	3828 (-1161)	+2
TORONTO	3850 (-1183)	3849 (-1182)	+1
LANSING	3869 (-1202)	3866 (-1199)	FLAT
MUNCIE CREEK SH.	4020 (-1353)	4019 (-1352)	+5
STARK SHALE	4107 (-1440)	4106 (-1439)	+5
HUSHPUCKNEY SH.	4148 (-1481)	4146 (-1479)	+3
BS. KANSAS CITY	4189 (-1522)	4187 (-1520)	+2
MARMATON	4210 (-1543)	4208 (-1541)	+4
"PAWNEE"	4291 (-1624)	4289 (-1622)	+2
"FT. SCOTT"	4370 (-1703)	4367 (-1700)	+2
"CHEROKEE"	4392 (-1725)	4390 (-1723)	+1
"JOHNSON ZONE"	4433 (-1766)	4431 (-1764)	FLAT
MISSISSIPPIAN	4459 (-1792)	4457 (-1790)	+5

NOTES

DUE TO NEGATIVE DRILLSTEM TEST RESULTS, IT WAS DECIDED TO PLUG AND ABANDON THE #1 JAMES TRUST 8AD.

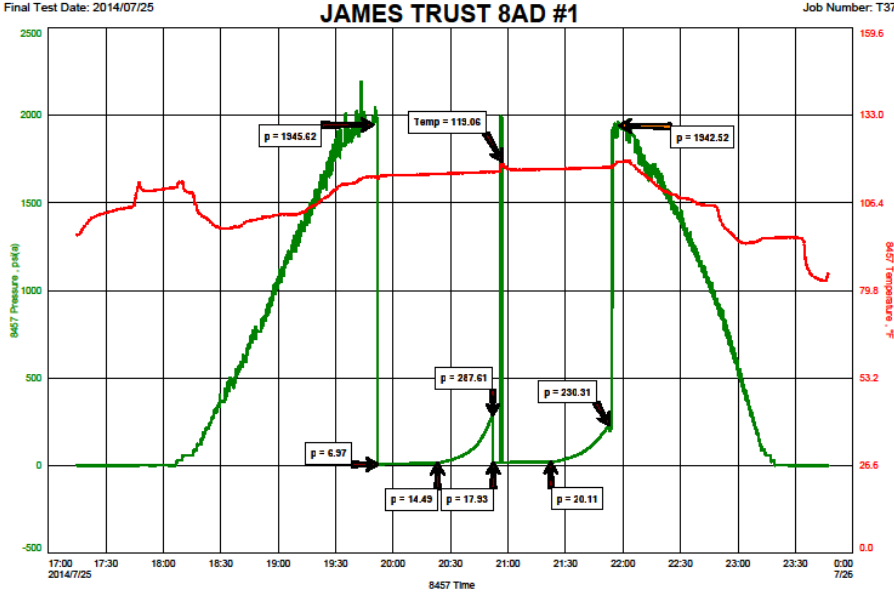
LARRY P. FRIEND

DRILLSTEM TESTS

No	Interval	Formation
1	4105 - 4123	KC "K" ZONE
2	4179 - 4276	MARMATON
3	4287 - 4308	"PAWNEE"
4	4348 - 4391	FT. SCOTT
5	4015 - 4045 STRADDLE	LANSING " G' " ZONE

DST #1 CHART

RITCHIE EXPLORATION, INC. JAMES TRUST 8AD #1
 DST #1, LKC "K", 4105-4123 Formation: DST #1, LKC "K", 4105-4123
 Start Test Date: 2014/07/25 Pool: WILDCAT
 Final Test Date: 2014/07/25 Job Number: T371

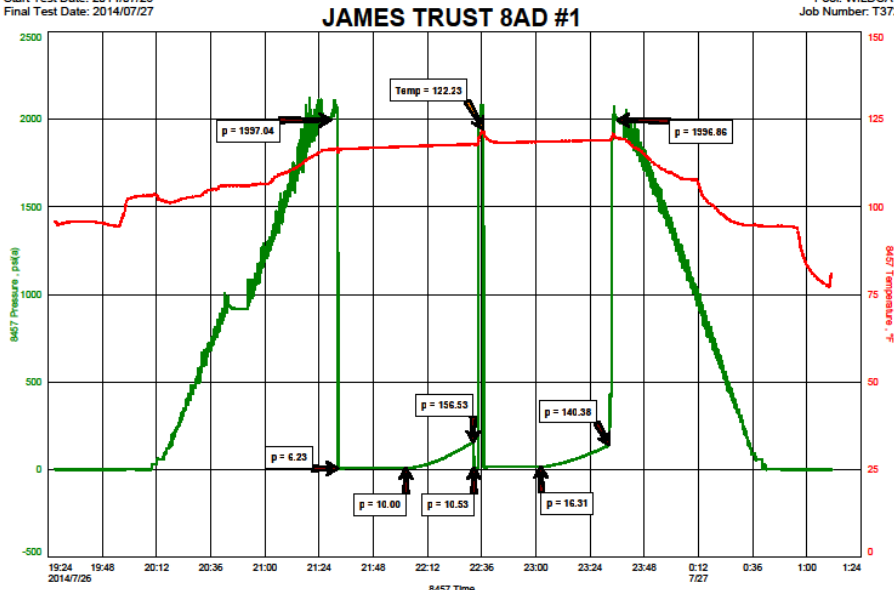


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Fast

DST #2 CHART

RITCHIE EXPLORATION, INC. JAMES TRUST 8AD #1
 DST #2, MARMATON, 4179-4276 Formation: DST #2, MARMATON, 4179-4276
 Start Test Date: 2014/07/26 Pool: WILDCAT
 Final Test Date: 2014/07/27 Job Number: T372

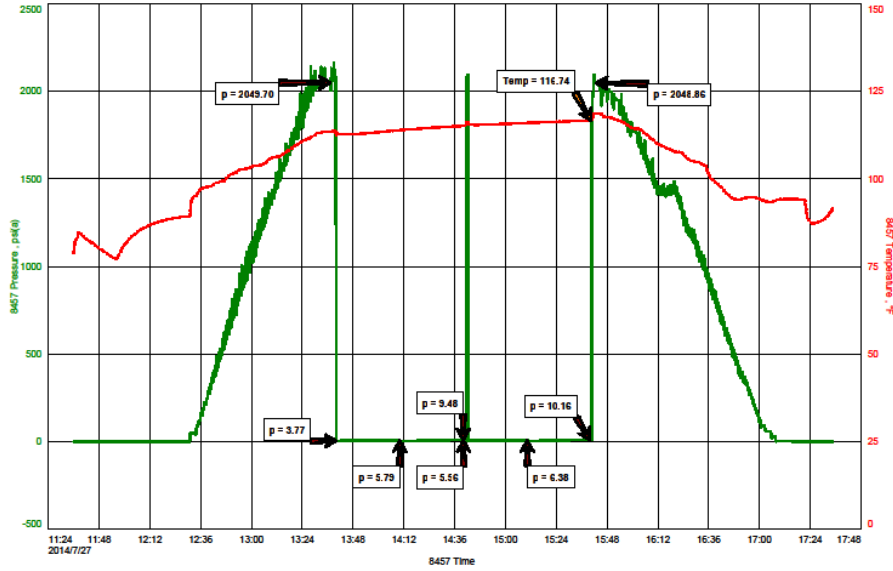


DST #3 CHART

RITCHIE EXPLORATION, INC.
DST #3, PAWNEE, 4287-4308
Start Test Date: 2014/07/27
Final Test Date: 2014/07/27

JAMES TRUST 8AD #1
Formation: DST #3, PAWNEE, 4287-4308
Pool: WILDCAT
Job Number: T373

JAMES TRUST 8AD #1

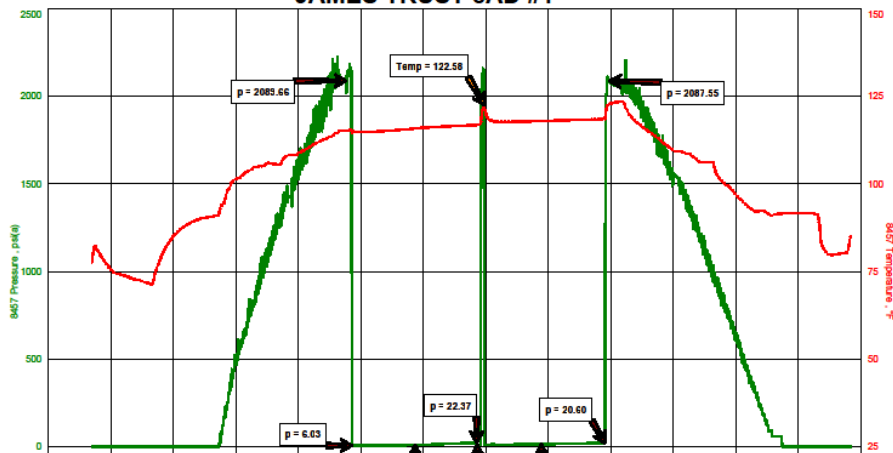


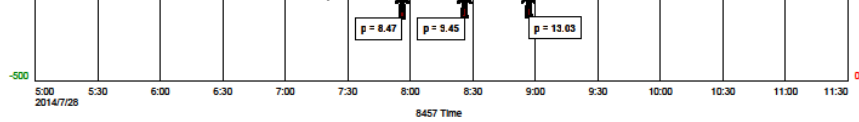
DST #4 CHART

RITCHIE EXPLORATION, INC.
DST #4, FT. SCOTT, 4348-4391
Start Test Date: 2014/07/28
Final Test Date: 2014/07/28

JAMES TRUST 8AD #1
Formation: DST #4, FT. SCOTT, 4348-4391
Pool: WILDCAT
Job Number: T374

JAMES TRUST 8AD #1





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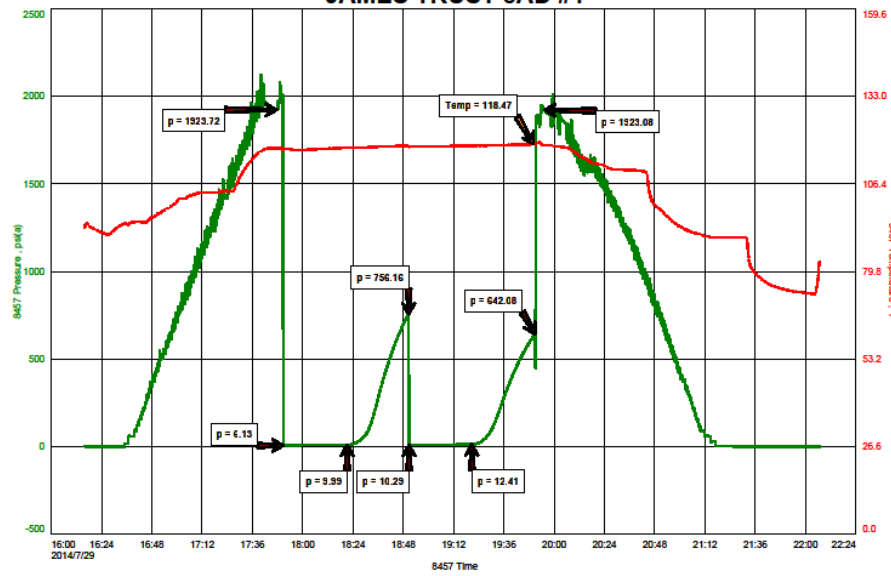
Fast

DST #5 CHART

RITCHIE EXPLORATION, INC.
DST #5, LKC "H", 4015-4045
Start Test Date: 2014/07/29
Final Test Date: 2014/07/29

JAMES TRUST 8AD #1
Formation: DST #5, LKC "H", 4015-4045
Pool: WILDCAT
Job Number: T375

JAMES TRUST 8AD #1



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Fast

ROCK TYPES

- | | | | | |
|-----------|-----------|-------|-------|-----------|
| Dolsec | Lmst fw>7 | Shgy | Shcol | Ool grnst |
| Lmst fw<7 | Ss | Shblk | Sltst | |

ACCESSORIES

MINERAL

- ⊥ Calcareous
- Carbonaceous Flakes
- ▲ Chert, dark
- ↘ Dolomitic
- ∧ Siliceous
- △ Chert White

FOSSIL

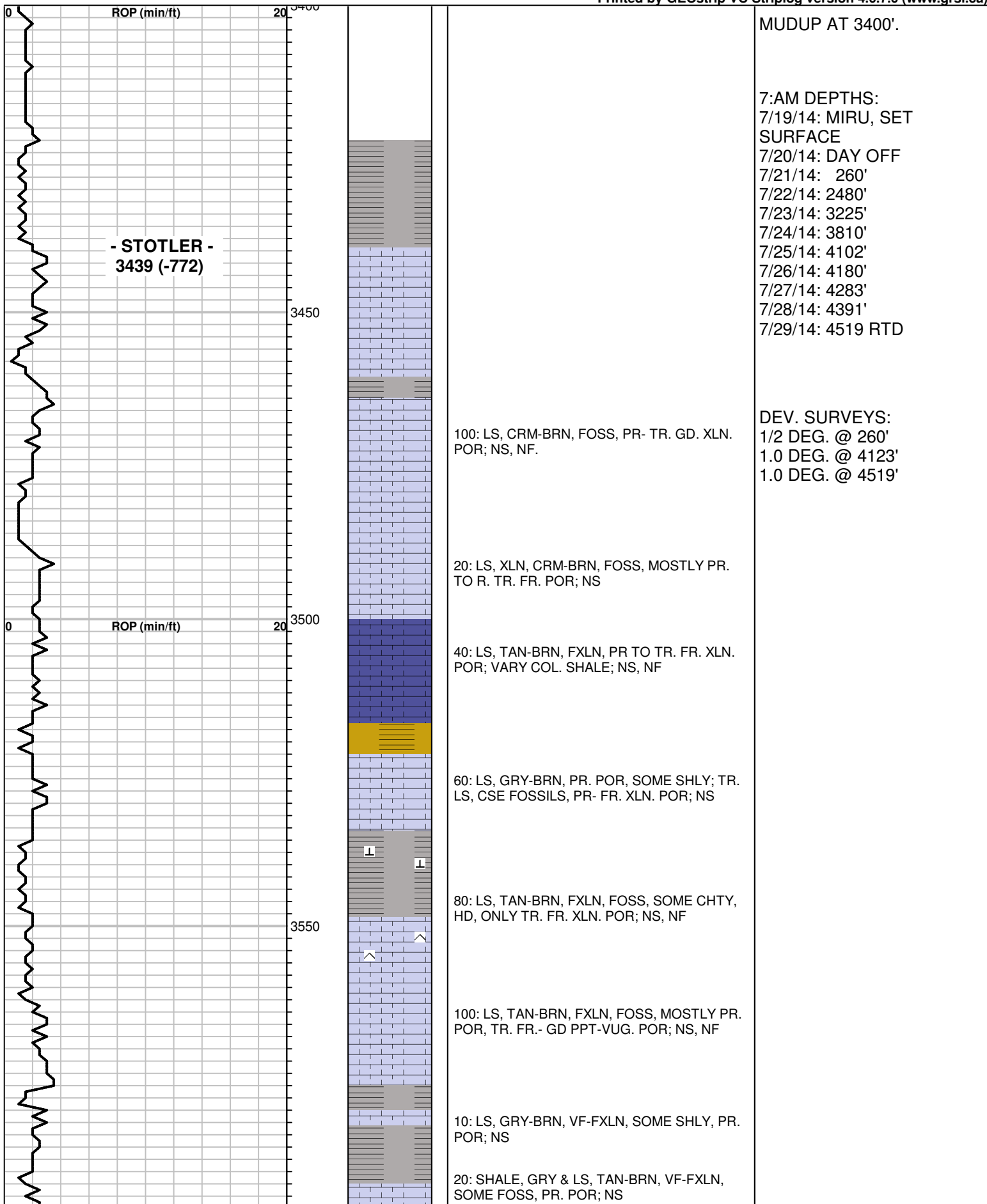
- ◊ Oolites

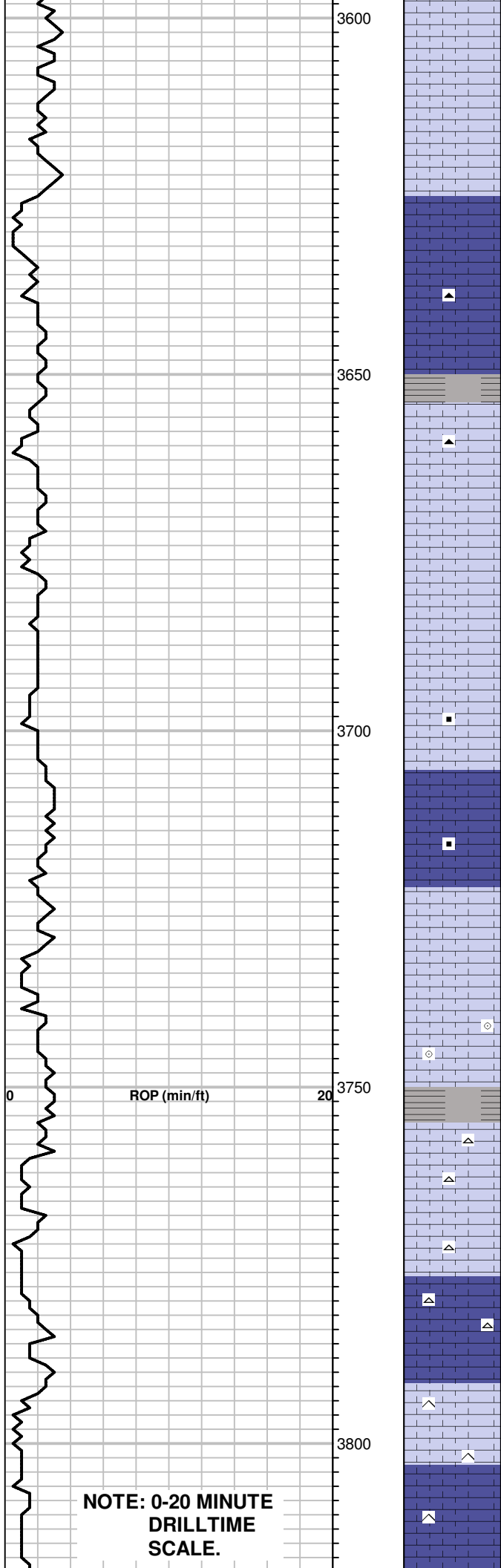
OTHER SYMBOLS

OIL SHOWS

INTERVALS

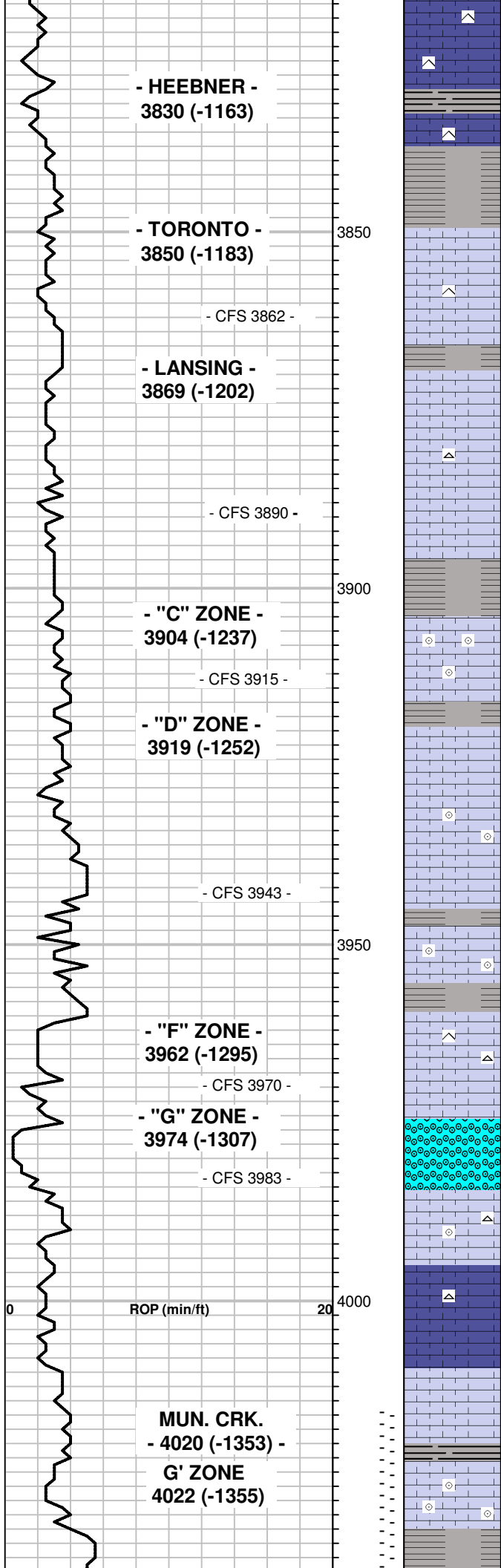
- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence
- Core
- DST





- 30: LS, TAN, FXLN, FOSS, PR- TR. FR. XLN. POR & AA; NS
- 40 & 50: LS, TAN-BRN, FXLN, FOSS, PR- TR. FR. XLN. POR; NS, NF
- 60: TR. LS, TAN, FXLN, W/ GD. PPT-VUG. & XLN. POR; NS
- 70: LS, AS ABOVE; NS, NF
- 80: SM. AMT. GRY-BRN CHERT, FOSS; NS.
- 90: LS, TAN-BRN, FOSS, MOSTLY PR. POR; NS, NF
- 100: LS, TAN, FXLN, SLI. FOSS, PR- FR. XLN. POR; NS
- 10: LS, TAN-BRN, FXLN, FOSS, W/ PR- FR. XLN. POR & TR. FOSS. CAST. POR; NS, NF
- 20: LS, TAN-BRN, FXLN, FOSS W/ TR. RED-BRN CARBONACEOUS MATERIAL, PR- TR. GD. XLN. POR; NS
- 30: LS, TAN, FXLN, SOFT, GD. XLN. POR; NS, NF
- 40: LS, AS ABV, TAN FXLN, SOFT, CHLKY, W/ RED-BRN CARB. MAT., GD. XLN. POR; NS
- 50: LS, TAN, DXLN, FOSS W/ PR- FR. XLN. POR; NS, NF.
- 60: MOSTLY LS, BRN, VFXLN, DSE; TR. LS, TAN, V. FOSS. W/ PR. POR; NS
- 70: TR. LS, TAN, V. FOSS/OOL, W/ PR. VIS. POR; NS.
- 80: TR. LS, AS ABV, TAN, V. FOSS/OOL. W/ CALCITE FILL, PR- FR. POR TO TR. LS, BRN, FXLN, FOSS, W/ PR- FR. XLN. POR; NS
- 90: TR. TAN LS, V. FOSS, FR-GD INTER-FOSS. PPT. POR; TR. TAN CHT; NS.
- 100: LS, TAN, FXLN, FOSS, FR- GD. XLN. POR; SOME TAN CHT; NS, NF.
- 10: LS, TAN, FXLN, SLI. CHLKY, FR-GD. XLN. POR; SOME TAN CHT; NS
- 20 & 30: LS, TAN-BRN, FXLN, SOME FOSS, SOME CHTY, PR- TR. FR. XLN. POR; NS, NF
- 40: LS, BRN, FXLN, CALCITIC, CHTY, W/ PR- FR. VIS. POR; NS

**NOTE: 0-20 MINUTE
DRILLTIME
SCALE.**



50: LS, TAN-BRN, FOSS, CHTY. W/ PR- TR. GD. XLN. POR; SHALE, BLK. CARB.; NS

60: LS, BRN, DSE, CHTY; NS

3862: CIRC: 30": SHALE, GRY & TR. LS, CSELY FOSS, PR. VIS. POR; NS

CIRC: 45": LS, CRM-BRN, FXLN, FOSS, SOME CHTY, PR- TR. FR. XLN. POR & TR. PR. FOSS CAST POR; NS, NF.

90: LS, TAN-BRN, FXLN, FOSS, SOME CALCITE FILL, PR- TR. FR. XLN. POR; NS, NF

CIRC 60": LS, TAN, VF-FXLN, FOSS. W/ PR- TR. FR. XLN POR & TR. PR. PPT. TO FOSS CAST. POR; TR. CHT. TAN; NS, NF.

10: SHALE, GRY & GREEN.

CIRC: LS, TAN, V. OOL. - SLI. FOSS, MOSTLY PR. - TR. FR. XLN. POR. & TR. PR. FOSS. CAST. POR; NS

SHALE, GRY.

40: LS, TAN, FXLN, SLI. SUCROSIC TO SLI. FOSS, PR- TR. FR. XLN. POR; NS, NF

43: TR. LS, V. OOL./ FOSS W/ PR- TR. FR. XLN. POR; NS

CIRC 30": LS, TAN, VF-FXLN, TR. SLI. FOSS, MOSTLY DSE - PR. POR; NS, NF.

60: LS, LT. GRY, VFXLN, DSE, TR. SLI. FOSS; NS

70: SM. AMT. LS, CRM-TAN, V. OOL. W/ PR- FR. XLN. POR; NS

CIRC 60": LS, AS ABV. & LS, TAN, FXLN, SLI.CHTY. W/ FR- GD. PPT. POR; SM. AMT. CHERT; NS, NF

CIRC 45": LS, BRN, OOLITIC W/ FR- GD. OOLICASTIC POR; NS, NF.

10: LS, TAN-BRN, VF-FXLN, TR. SLI. OOL./ FOSS, DSE TO TR. FR. XLN. POR; TR. CHERT; NS, NF

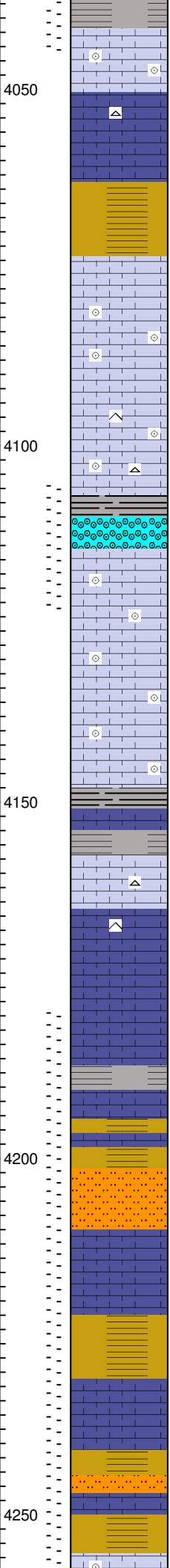
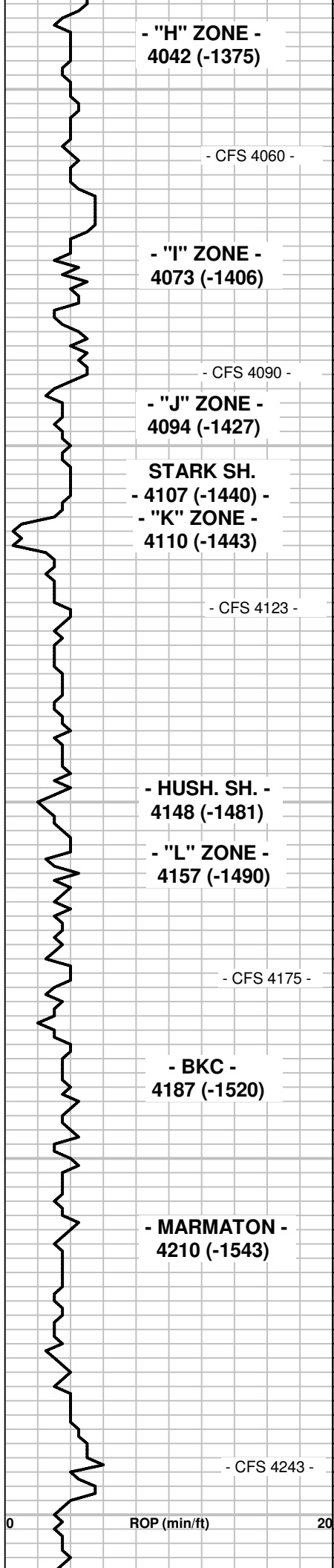
20 & 30: LS, GRY-TAN, VF-FXLN, DSE TO PR. POR; TR. CHERT; NS, NF.

40: LS, BRN, VFXLN, SLI. FOSS, DSE TO SM. AMT. WEATHERED, SLI. CHLKY; NS, NF.

50: TR. BLK. CARB. SHALE; SM. AMT. LS, TAN-BRN, FXLN, OOL./ FOSS, SOME V. CALCITIC, PR- TR. FR. XLN. POR; NS, NF.

MUD AT 3860':
 WT: 9.05
 VIS: 50
 FILTRATE: 8.0
 CHLOR: 2,100
 LCM: 2#

DST \$5: 4015-4045
 "G" ZONE (STRADDLE)
 TIMES: 30-30-30-30
 IF: WEAK SURF. BLOW
 FF: NO BLOW
 REC: 20' DRLG MUD, NS
 IFP: 6-10#, FFP: 10-12#
 SIP: 756-642#
 HP: 1924-1923#
 MAX. TEMP: 118 F.



60: SM. AMT. LS, TAN, FXLN, V. OOL./ FOSS, W/ PR. XLN. POR; NS, NF.

CIRC 30": LS, TAN-BRN, VF-FXLN, MOSTLY DSE; TR. CHERT; NS

80: SHALE, VARY COLORED.

90: LS, TAN-BRN, VF-FXLN, R. TR. FOSS, DSE TO PR. XLN. POR; NS, NF.

CIRC 30": SM. AMT. LS, TAN, VF-FXLN, V. OOL./ FOSS, DSE TO PR. XLN. POR; NS

08: SM. AMT. LS, TAN, FXLN- FN GRAN, SLI. CHTY, PR. VIS. POR; TR. CHT; NS, NF.

CIRC 45": TR. LS, V. OOL, PR. - TR. FR. XLN. POR; & CHERT, GRY, V. OOL, SHP; SHALE, BLK; NS, NF.

CIRC 60": LS, TAN, OOL, W/ FR- V. GD. OOLIC. POR, 30% W/ S-FSFO, SSGB, SPTY- TOT. MD. BRN. SAT. STN, FR. ODOR, 60-70% BARREN

40: LS, TAN, V. OOL./ FOSS, W/ PR. XLN. POR; MUCH SHALE & SST IN SMP AFTER DST.

50: LS, AS ABV, MUCH WEATHERED, SOFT, SLI. CHLKY; MUCH SHALE IN SMP; NS

60: LS, FXLN, OOL./ FOSS, W/ PR- FR. XLN. POR; TR. BLK. SHALE; NS

70: LS, TAN-BRN, VF-FXLN, PR- TR. FR. XLN. POR; NS

75: LS, AS ABV, V. SLI. FOSS, PR- TR. FR. XLN. POR; TR. CHERT, GRY; NS

CIRC 45": LS, GRY-BRN, VFXLN, SLI. CHTY, DSE, SLI. CALCITIC; NS

100: LS, TAN, FXLN, W/ CSE, WHITE CHT. FRAGMENTS, PR. XLN. POR; NS, NF.

10: LS, BRN, VFXLN, DSE TO SM. AMT. WEATHERED, SLI. CHLKY; SHALE, GRY; NS

20: SOME HD, GREEN - MAROON SILTSTONE & VARY COL. SHALE.

30: LS, BRN, VFXLN, DSE TO SM. AMT. WEATH. SLI. CHLKY, CP. PCS, SLI. CHLKY W/ PR. SPTY DULL FLUOR & NO CUT, 1 PC. W/ DK. SPTY TARRY STN & TR. HVY. FO IN FR. XLN TO TR. PPT. POR, DETECT V. FT. ODOR.

40: LS, REDDISH BRN (SH. STAINING), VFXLN, DSE, TR. V. FOSS; AND RED, GRY & BLK SH.

CIRC 60": LS, TAN-BRN, VFXLN, DSE TO SM. AMT. WEATHERED SLI. CHLKY, CP. CPS W/ SPTY DULL FLUOR, NO CUT.

60: VARY COL. SHALE & SILTSTN.

70 & 76: LS, TAN-BRN, SLI. OOL./ FOSS, DSE TO TR. FR. XLN. POR, SHALE, GRY, BRN

SEE CHART ABOVE

DST #1: 4105-4123
"K" ZONE
TIMES: 30-30-30-30
IF: 1/4" BLOW
FF: NO BLOW, FLUSHED TOOL AT 3", NO HELP.
REC: 20' SOCM (3% OIL)
IFP: 7-14#, FFP: 18-20#
SIP: 288-230#
HP: 1946-1943#
MAX. TEMP: 119 F.
SEE CHART ABOVE.

- CFS 4108 -

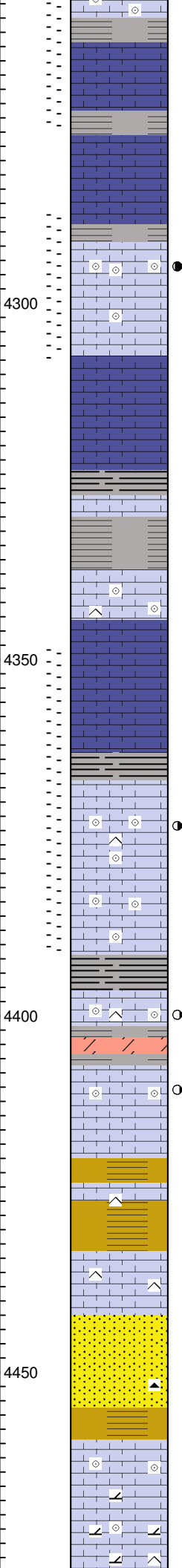
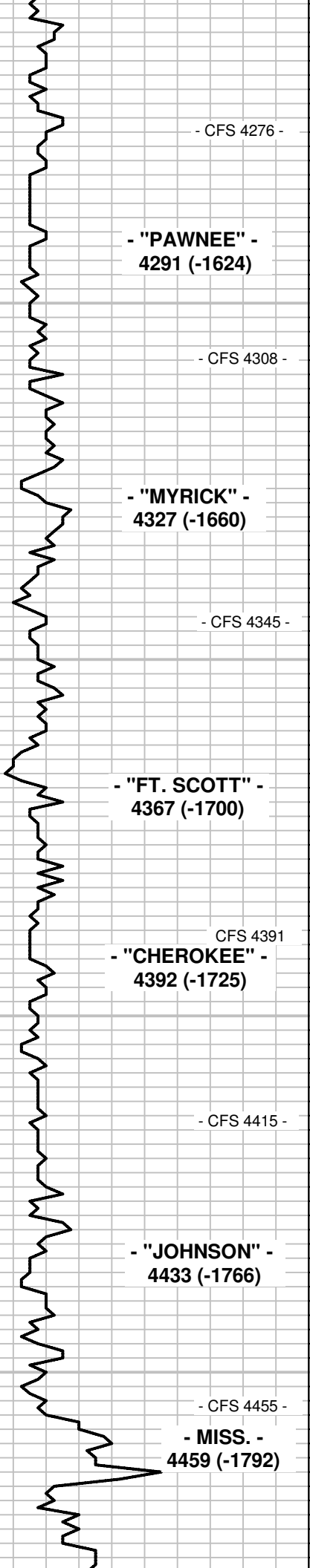
PIPE STRAP @ 4123:
 4.62' SHORT TO BOARD.

MUCH SHALE IN SAMPLES AFTER DST #1. CLEARED UP IN 20 TO 30 FT.

MUD AT 4123:
 WT: 9.2
 VIS: 49
 FILTRATE: 8.8
 CHLOR: 2,500
 LCM: 1#

MUD AT 4247:
 WT: 9.1
 VIS: 57
 FILTRATE: 10.4
 CHLOR: 4,000
 LCM: 1#

DST #2: 4179-4276
MARMATON
TIMES: 30-30-30-30
IF: WEAK SURF. BLOW
FF: NO BLOW, FLUSHED TOOL AT 2", NO HELP.
REC: 15' DRLG. MUD, NS
IFP: 6-10#, FFP: 11-16#
SIP: 157-140#
HP: 1997-1997#
MAX. TEMP: 122 F.
SEE CHART ABOVE



TO TR. FR. XLN. POR; SHALE, GRY, GRN & BLK; NS

CIRC 60": LS, GRY-BRN, VFXLN, DSE TO SM. AMT. WEATH, CRM, CHLKY; NS

100: LS, BRN, VFXLN, DSE, SLI. CALCITIC FILL TO SOME WEATHERED, CRM SLI. CHLKY; NS

08 & CIRC 60": ONLY FEW PCS LS, OOL. W/ PR. - GD. OOLIC. & XLN. POR, SSFO&G, SPTY - TOTAL LT. BRN. SAT. STN, SPTY-TOTAL MD. BRT. FLUOR IN DRY, GD. FLUSH CUT, SLI.-FR. ODOR (THE BETTER POROSITY IS BAREN.)

30: LS, BRN, VF-FXLN, DSE TO PR. XLN. POR; NS.

40: LS, DK. BRN, VFXLN, DSE & SHALE, GRY & BLK; NS

CIRC 60": LS, TAN-BRN, VF-FXLN, V. OOL./ FOSS, TR. SLI. CHTY, DSE TO PR. XLN. POR, TR. WEATH, SLI. CHLKY, SOFT; NS, NF.

60 & 70: LS, BRN, VFXLN, DSE TO SOME WEATHERED, SOFT, SLI. CHLKY; NS

80: SHALE, BLACK, CARBONACEOUS

90: ONLY FEW PCS/ TRAY LS, TAN, V. OOL / FOSS, SLI. CHTY, HD, PR. SPTY INTER-OOL. PPT. POR, S-FSFO&G (SOME BLEEDING), LT. SPTY. STN. ASSOC. W/ POR, FR. ODOR

CIRC 60": TR. LS, TAN, V. OOL./ FOSS. W/ FR. XLN. POR & LS, DSE TO WEATHERED; TR. LS AS ABV. W/ SO.

15: TR. LS, TAN, VFXLN, SLI. CHTY, TR. V. OOL, R. TR. V. PR. VUG. POR, CP. PCS. W/ DULL FLUOR, TR. PPT. FO, WK CRUSH CUT, NO STN, NO ODOR; TR. DOL LS, PR. POR; NS

CIRC: 60": ONLY 3-4 V. SM. PCS. LS, ALL OOLITES W/ PR- TR. FR. INTER-OOL. PPT. POR, TR, FO, TOT. LT. BRN. SAT. STN, ?ABLE ODOR

40: SHALE, BLK, GRY, GRN; LS, TAN, VFXLN, SLI. FOSS, CHTY, HD, DSE; NS, NF.

50: SHALE, GRY & GRN; LS, TAN-BRN, VFXLN, SOME FOSS, SOME CHTY, DSE TO SOME CRM CHLY LS; NS, NF.

55: SST, CRM, VF TO TR. MD GRND, FROST TO TR. CLR, SBANG-SBRD, TITE; NS, NF.

CIRC 60": SST, CRM-YELL, VF-FN & TR. MD-CSE GRNS, CLR- FROST, SBANG-SBRD, FRLY WELL SORT, TITE, HD TO SOME FRIAB. W/ FR INTER-GRN. POR; TR TAN-ORG CHT & QTZ; NS

70: LS, BRN- MUST., VFXLN, V. OOL, DSE TO PR. XLN. POR; NS, NF.

80: LS, TAN-BRN, FXLN, SOME SLI. DOL, PR. XLN. POR; SHALE, GRY; NS, NF.

CIRC 30": LS, SLI. DOL, FXLN, SUCROSIC, SOME CHTY, DSE TO PR. XLN. POR; NS, NF.

DST #3: 4287-4308
"PAWNEE"
TIMES: 30-30-30-30
IF: WK. SURF. BLOW DIED IN 5"
FF: NO BLOW, FLUSHED TOOL AT 1", NO HELP.
REC: 1' DRLG. MUD, NS (TOOL SMP: 100% MUD W/ SPKS OIL.)
IFP: 4-6#, FFP: 6-6#
SIP: 9-10#
HP: 2050-2049#
MAX. TEMP. 117 F.
SEE CHART ABOVE

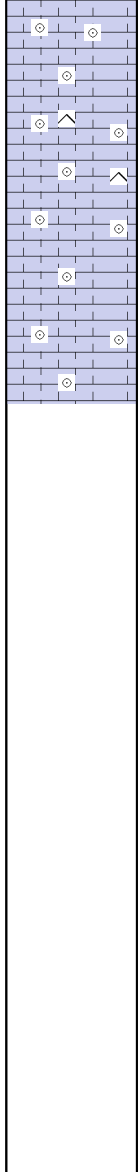
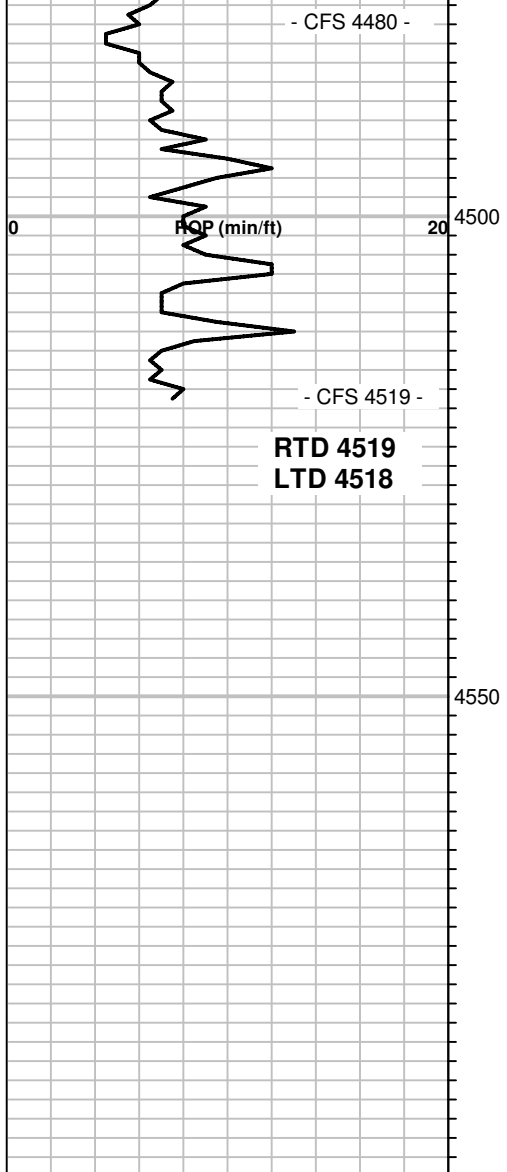
TOOK WEIGHT OFF BIT AGAIN AT 4309: 40,000 DOWN TO 35,000#.

MUD AT 4300:
 WT: 9.2
 VIS: 50
 FILTRATE: 10.4
 CHLOR: 2,500
 LCM: 1#

DST #4: 4348-4391
FT. SCOTT
TIMES: 30-30-30-30
IF: WK. SURF. BLOW
FF: NO BLOW, FLUSHED TOOL AT 2", NO HELP.
REC: 15' MUD W/ TR. OIL (TOOL SMP: 2% O., 98%M)
IFP: 6-8#, FFP: 9-13#
SIP: 22-21#
HP: 2090-2088#
MAX. TEMP: 123 F.
SEE CHART ABOVE

MUD AT 4391:
 WT: 9.2
 VIS: 78
 FILTRATE: 10.4
 CHLOR: 3,800
 LCM: TR.

DRILL STRING TORQUING UP & DRLG V. ROUGH HERE IN SAND. APPARENTLY KNOCKED TEETH OFF OF BIT HERE. WHEN PULLED OUT AT 4519 RTD, MANY TEETH MISSING FROM BIT.



90: LS, TAN, V. OOL./ FOSS, W/ PR- TR. FR. XLN. POR; NS, NF.

100 & 10: LS, TAN, CSELY OOL./ FOSS/ FRAGMENTAL, SOME CHTY, PR- FR. XLN. POR; NS, NF.

19 & 30" CIRC: LS, TAN, CSELY OOL./ FOSS/ FRAGMENTAL, W/ MOSTLY PR. XLN. POR; NS, NF.

MUCH GRY SHALE IN SAMPLES HERE.

BIT WORE OUT.

MUD AT 4519:
 WT: 9.3
 VIS: 60
 FILTRATE: 10.0
 CHLOR: 2,200
 LCM: 1#

AT 4519, CFS 30", THEN RAN 10 STAND SHORT TRIP THEN CIRC. 105" FOR LOG.



#1 James Trust 8AD
335' FSL & 1430' FEL
5' N & 110' W of S/2 S/2 SE Section 8-16S-28W
Lane County, Kansas
API# 15-101-22530-0000
Elevation: 2662' GL, 2667' KB

Sample Tops			Ref. Well
Anhydrite	2070'	+597	-5
B/Anhydrite	2105'	+562	-7
Stotler	3439'	-772	Flat
Heebner	3830'	-1163	Flat
Lansing	3868'	-1201	-2
Muncie Shale	4025'	-1358	-1
Stark Shale	4108'	-1441	+2
Hush	4148'	-1481	+2
BKC	4189'	-1522	+1
Marmaton	4212'	-1545	Flat
Altamont	4232'	-1565	Flat
Pawnee	4291'	-1624	Flat
Myrick Station	4330'	-1663	Flat
Fort Scott	4367'	-1700	-1
Cherokee	4392'	-1725	-2
Johnson	4433'	-1766	-1
Mississippian	4465'	-1798	-3
RTD	4519'	-1852	



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 46614
LOCATION Oakley, Ks.
FOREMAN Dauen

269813

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT

Ks.

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/19/14	7173	James Trust 8AD #1	8	16	28	Lane
CUSTOMER Ritchie Exploration			Shields E Side of Town 3 3/4 N E into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			731	Cory		
STATE			466	Jeff		
ZIP CODE				Bill		

JOB TYPE Surface HOLE SIZE 13 1/4 HOLE DEPTH 260 CASING SIZE & WEIGHT 8 5/8 24"
 CASING DEPTH 260 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14 8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING 20'
 DISPLACEMENT 15.28 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting Rig up on WW 8 Run Casing Break Circulation
with Rig Pump Hook up To Pump Truck mix 3Ks Cem 3%CC 2%Gel Wash
up Pump + Lines Displace 15.28 bbl water, Shut in Rig Down
Cement Did Circulate

Approx 5 bbl To Pit

Thanks Dauen & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	\$1150.00	\$1150.00 ✓
5406	60	MILEAGE	\$5.25	\$315.00 ✓
5407A	8.23	Ton Mileage Delivery	\$1.25	\$864.60 ✓
11045	175 SKs	Class "A" Cement	\$18.55	\$3246.75 ✓
1102	494 *	Calcium Chloride	\$.94	\$464.36 ✓
1118B	329 *	Bentonite	\$.27	\$88.83 ✓
			Sub Total	\$6129.04 ✓
			Less 10%	\$612.90 ✓
			Sub Total	\$5516.14 ✓
			SALES TAX	244.49 ✓
			ESTIMATED TOTAL	5760.63 ✓

Rev'n 3787

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

