



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1151257  
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: \_\_\_\_\_



1151257

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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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

July 10, 2013

Ted McHenry  
Raymond Oil Company, Inc.  
PO BOX 48788  
WICHITA, KS 67201-8788

Re: ACO1  
API 15-109-21190-00-00  
Rose F 1  
SW/4 Sec.02-14S-32W  
Logan 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,  
Ted McHenry

# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 \* WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>RAYMOND OIL COMPANY, INC.</u>	ELEVATIONS
LEASE <u># 1 ROSE F</u>	KB <u>2832</u>
FIELD <u>WILDCAT</u>	DF _____
LOCATION <u>1775' FSL &amp; 1868' FWL</u>	GL <u>2827</u>
SEC <u>2</u> TWP <u>14S</u> RGE <u>32W</u>	Measurements Are All From <u>2832 KB</u>
COUNTY <u>LOGAN</u> STATE <u>KANSAS</u>	CASINO
CONTRACTOR <u>L.D. DRILLING, INC.</u>	SURFACE <u>8 5/8" @ 261'</u>
APRD <u>6-22-13</u> COMP <u>7-2-13</u>	PRODUCTION _____
WELL <u>4655</u> LTD <u>4654</u>	ELECTRICAL SURVEYS
MUD P. <u>3388</u> TYPE MUD <u>CHEMICAL</u>	DUAL IND., DENS.-N. MICRO

SAMPLES SAVED FROM _____	<u>3400</u> TO <u>4655</u>
DRILLING TIME KEPT FROM _____	<u>3400</u> TO <u>4655</u>
SAMPLES EXAMINED FROM _____	<u>3400</u> TO <u>4655</u>
GEOLOGICAL SUPERVISION FROM _____	<u>3600</u> TO <u>4655</u>
GEOLOGIST ON WELL <u>KIM B. SHOEMAKER</u>	




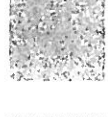


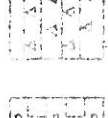
FORMATION TOPS	LOG	SAMPLES	
ANHYDRITE	2316 + 516	2318 + 514	
B/ANH.	2338 + 499	2340 + 492	
STOTLER	3464 - 632	3468 - 636	
HEEBNER	3817 - 985	3819 - 987	
LANSING	3859 - 1027	3860 - 1028	
STARK	4105 - 1273	4107 - 1275	
MARMATON	4210 - 1378	4210 - 1378	
FORT SCOTT	4368 - 1536	4369 - 1537	
CHEROKEE	4396 - 1564	4398 - 1566	
MISSISSIPPI	4532 - 1700	4539 - 1707	
MISS. SPERGEN	4638 - 1806	4639 - 1807	

REMARKS

6-22-13 Spud  
 6-23 @ 280'  
 6-24 @ 1900'  
 6-25 @ 2885'  
 6-26 @ 3510'  
 6-27 @ 3965'  
 6-28 @ 4113'  
 6-29 @ 4365'  
 6-30 @ 4469'  
 7-1 @ 4532'  
 7-2 @ 4655'

API: 15-109-21190

LEGEND

	Arched		Salt		Sandstone		Shale		Limestone		Gullinite		Chert		Calamite
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LITHOLOGY

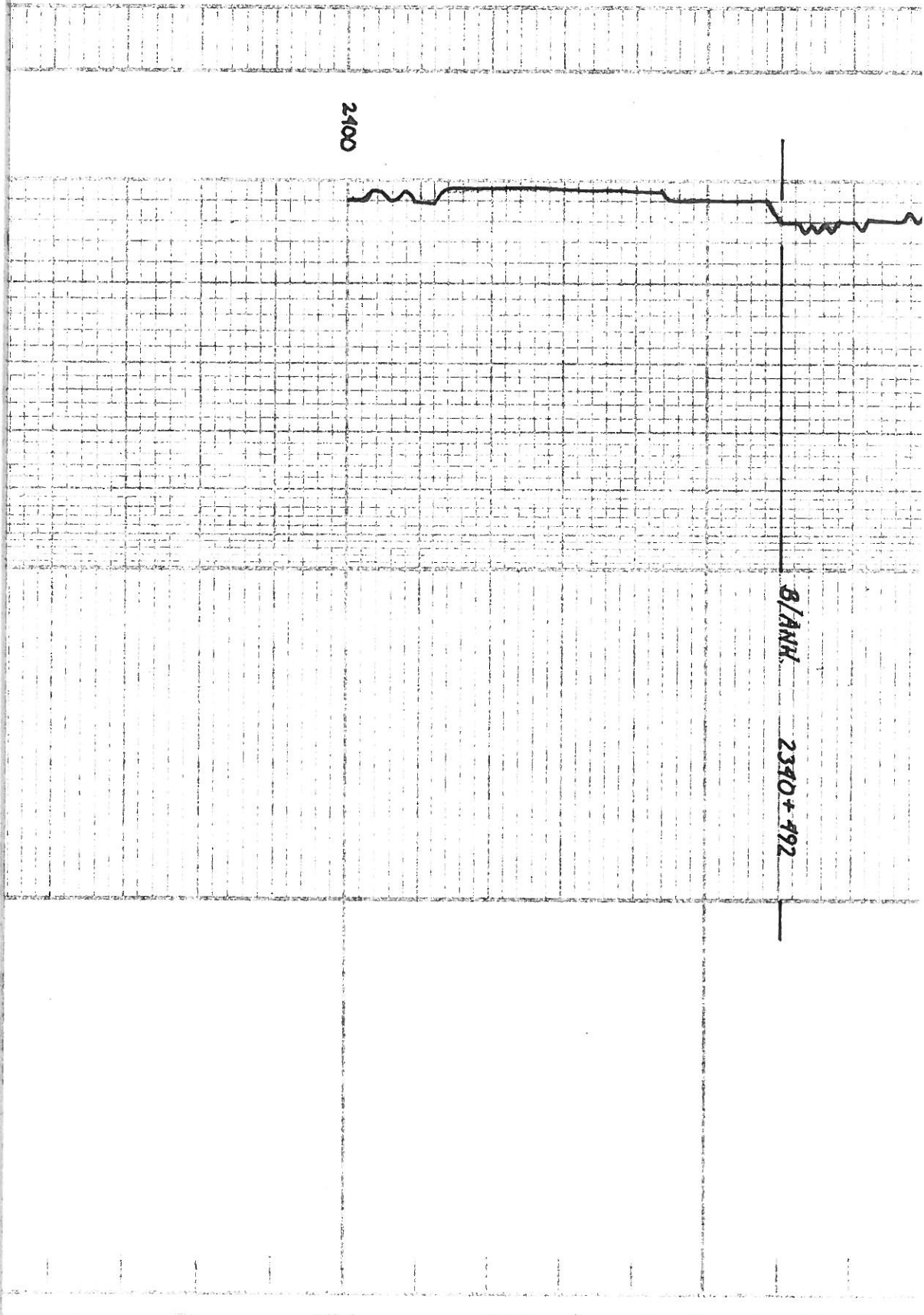
DRILLING TIME IN MINUTES  
 PER FOOT  
 (sets of revolution increase)

5 10 15 20 25

DEPTH  
 2300

SAMPLE DESCRIPTIONS

REMARKS



2400

B/ANH  
2340 + 492

3400

3500



✓ Stat. 406

Samples are Lagged

Sh. Light Silty

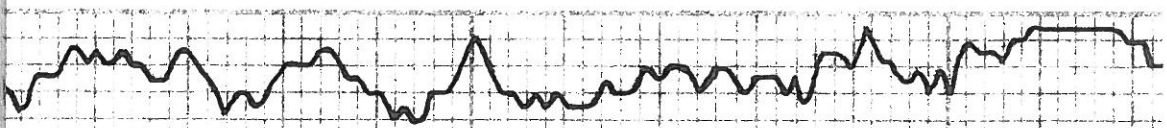
STOTLER 3468-636

LS. Th. Lgh. VSL. Foss

LS. Th. Lgh. Foss.

LS. Lgh. Dis.

3600



VIS: 71  
 WT: 818  
 MLC: 10.4  
 CLK: 4500

LS. wt. Fossil. Calcifn.

Sh. Gy. Calcif.

LS. 7.41 R. Si. Foss.

Sh. 4164

LS. wt. ool. Sil. ool.

LS. 7.4 wt. Foss. Si. Calcif.

Sh. Gy.

LS. wt. ool. VSI. Calcif.

Sh. Gy.



15. wt. Micro. foss.

15. Trwl. foss. Calatite.

15. wt. vsli. chly.

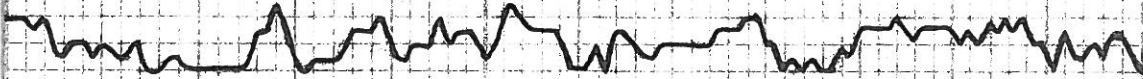
Sh. Dry.

oh. G. & Sdy.

15. wt. Sh. Fossil. vsli. chly.

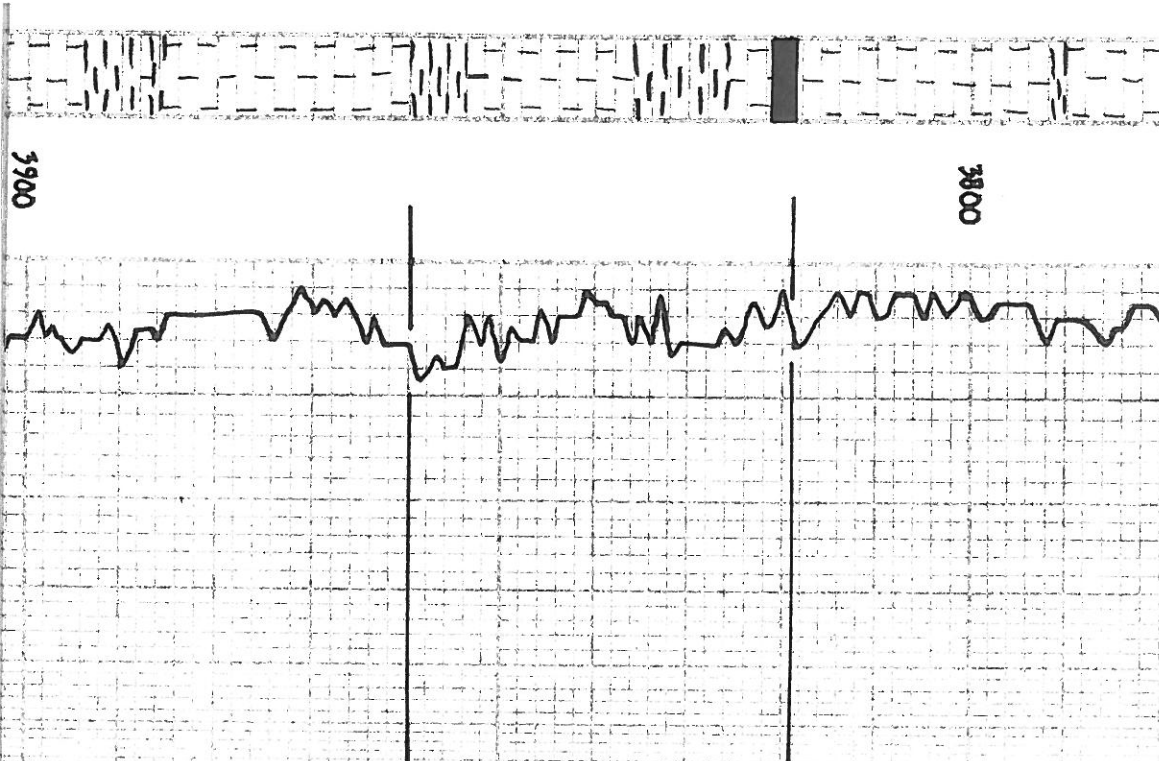
Sh. Hy.

15. Bur. Dni.



3700





LS. w/ chly.

LS. w/ Fosi. VSI. chly.

**HEBNER** **3819-987**  
 SH. ALK. Cab. LS. T. LIA. VSI. Fosi

SH. GRN.

LS. w/ SI. Fosi. SI. ool. SI. A

LS. w/ VSI. Fosi. SI. A

SH. LIQ.  
**LANSTING** **3860-1028**

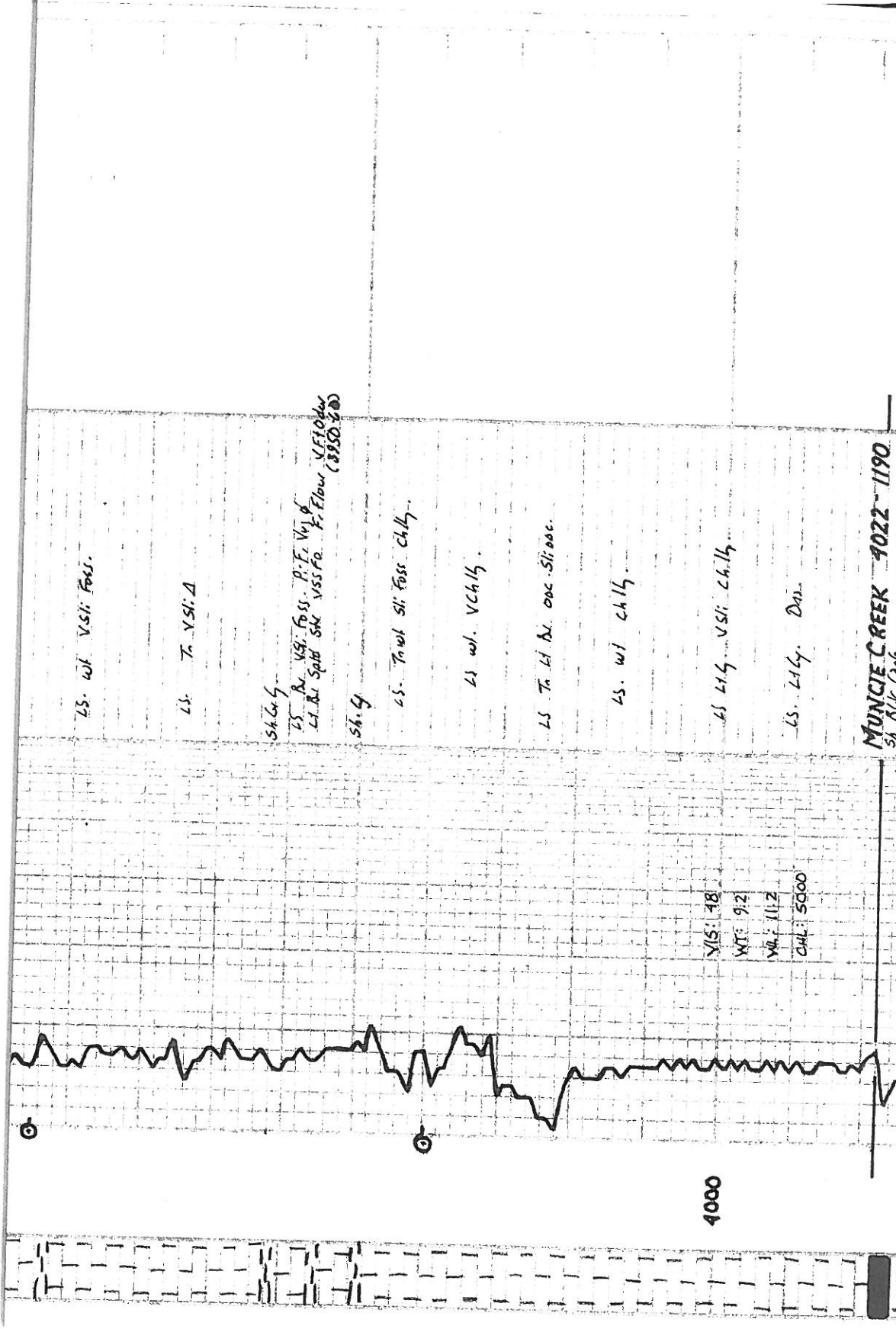
LS. T. A. q. SI. ool. ool. SI. A

LS. w/ VSI. chly. VSI. Calcithi

SH. ORG.

SH. LIQ.

LS. w/ SI. Fosi. ool. Du. P. H. q  
 R. SH. SH. VSI. Fosi. F. Flow. VET. Ool.  
 (3905.50)



LS. wt. VSI: Foss.

LS. T. VSI: A

sh. G<sub>4</sub>

LS. R. VSI: Foss. P. F. V. d.  
 LI. R. Sp. sh. VSS. F. F. Flow VFI. d. w.  
 (8850-900)

sh. G<sub>4</sub>

LS. T. wt. sh. Foss. ch. G<sub>4</sub>

LS. wt. Vch. G<sub>4</sub>

LS. T. LI. R. onc. Sil. acc.

LS. wt. ch. G<sub>4</sub>

LS. LI. G<sub>4</sub> VSI: ch. G<sub>4</sub>

LS. LI. G<sub>4</sub> D. w.

VIS: 48  
 WT: 9.2  
 VLF: 11.2  
 CHL: 5000

4000

MUNCIE CREEK 4022-1190  
 Sh. Sil. Conc.

2. wt. L.H. 15. Tank Sil. Rock w/ K. w. Dig. Foss.

13. T.H. Dal.

5h. D.C.S. 45. R. V.S.I. Foss.

5h. L.H. Dal.

15. T. wt. Sil. Foss. Sil. L.H.

5h. L.H.

15. wt. L.H. 51.000. R. 004. R. Dal. River V.F. 10d. (4110)

Tool Sample: 60' w. 10' M

STARK 4107-1275

5h. L.H. Dal.

15. Sil. pol. ool. calcitic.

5h. wt. L.H. 15 T.H. Dal.

HUSHPUCKNEY 4140-1308  
5h. Dal. Camb.

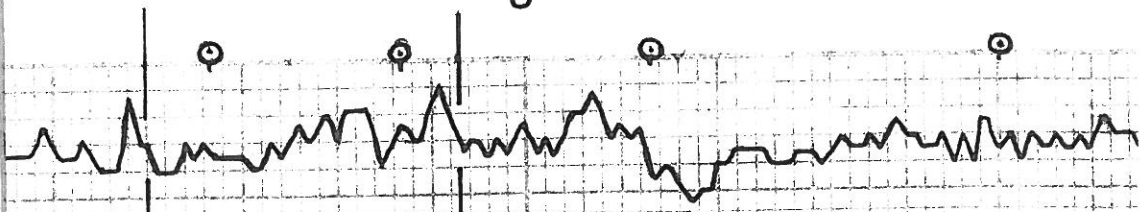
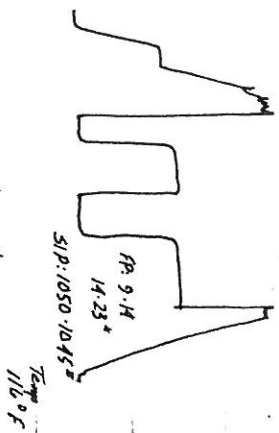
15. L.H. Sil. Foss. P. H. & D.L. Sil. Dal. No. River No. Dal.

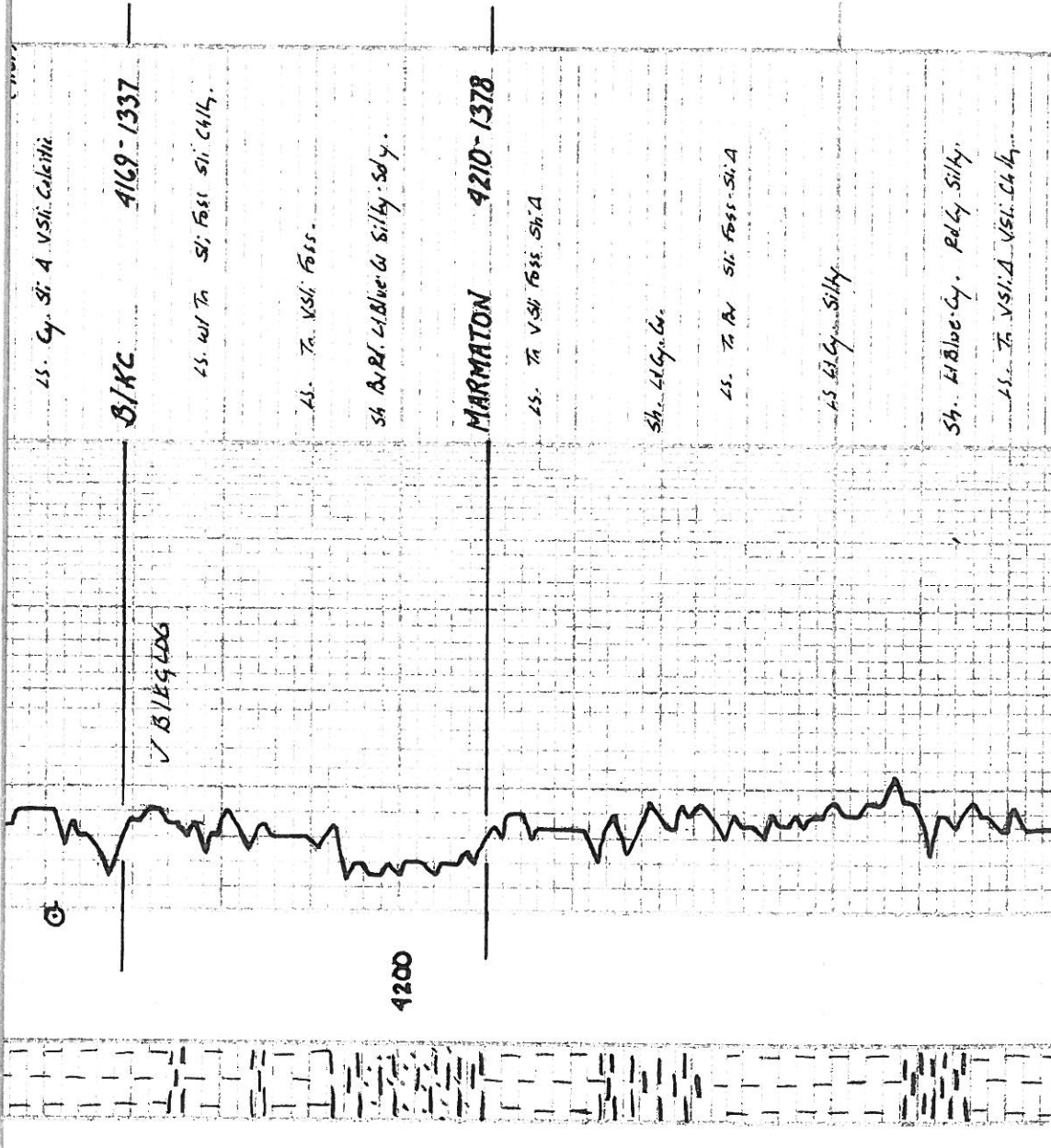
DST (1) 4075-4113

1st Blow: Blow ball to 1"  
2nd Blow: Surf. Blow after 30 min.

30.20-45.90

Rec. 30' WM (201.2807M)





Ls. Cy. Si. A. V.Si. Calcitic

B/KC 4169-1337

✓ B/KG 406

Ls. w/ Ta. Si. Foss. Si. Chk.

Ls. Ta. V.Si. Foss.

Sh. Blue-Gy. Silty. Silty.

MARMATON 4210-1378

Ls. Ta. V.Si. Foss. Sh. A

Sh. Blue-Gy.

Ls. Ta. V. Si. Foss. Si. A

Ls. Blue-Gy. Silty.

Sh. Blue-Gy. Blue-Gy. Silty.

Ls. Ta. V.Si. A. V.Si. Chk.

4200

4300

DST (2)

LS Tr. ool. Sil. A. Dnl.  
 LS Wt. Ltg. VSI: 244 - Dnl. F. 1/3 0  
 T. DE R. 6.54 T. R. 1 - No Flour No Oiler (4300)  
 LS. Wt. Ltg. Dnl. Sil. C. 444

54. DE G. BLK  
**PAWNEE 4312-1480**

LS. Wt. Sil. Foss: FAKIN R. X. 1/2 H. R. R. 5.24. Sil. VSSFO No. Flour No. Oiler (4300, 305)

LS. T. W. R. VSI: Foss: Sil. A

LS. R. VSI: Foss: Sil. A

54 Blk Carb.  
 LS. DE R. Dnl. VSI: Foss

**MYRICK STATION 4332-1520**  
 LS Wt. Ltg. Dnl. VSI: Foss: VSSFO

VSI: 45 Wt: 9.1  
 Wt: 11.0 CIL: 7800

54 Blk Carb.  
**FORT SCOT 4349-1537**

LS. Wt. Ltg. Sil. Foss: C. 1.5. F. 1.4. 1/2 R. Sil. DE Sil. VSSFO T. CAR. Bull. Flour: Old Oiler (4300, 305)  
 LS. Wt. Ltg. Dnl.  
 LS. Wt. Ltg. V. C. 444

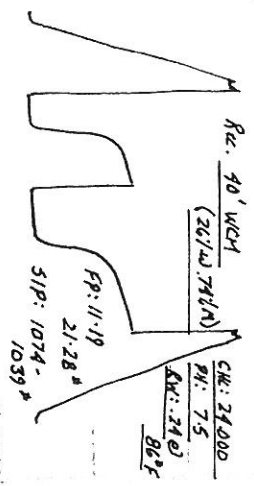
LS. Wt. Ltg. V. C. 444

**CHEROKEE 4398-1566**  
 54. BLK.

LS. Blg. ool. w/ DE G. ool.

**DST (2) 4300-4365**  
 1st OPEN: Blow built to 1 1/2"  
 2nd OPEN: " " " 1 1/2"

30 - 60 - 45 - 90



Temp: 116.0 F

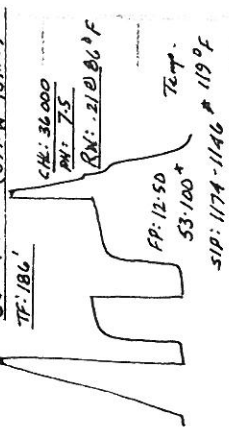
**DST (3) 4363-4469**

1st OPEN: Blow built to 7"  
 2nd OPEN: " " " "

4400

30.60.45-90

Rec. 63' WM w/Scum 0.1 (327/4) 68/40  
63' MW (50/10.507.1.1)  
63' MW (57/1.1.1.1)



Top Sample: 42/1.10 58/1.1 w/Scum 0.1

LS. Ltg.ool. w/ dkool.  
LS. Ltg. Sl. Foss VSI. Calcite F. Ltg. p  
Bl. Sand. Sh. SSPD. T. Calc. F. Foss  
F. Odor  
(4422, 30")

Sh. Dk. G.  
LS. Ltg. VSI. Foss Sl. A  
LS. Ltg. L.  
Sh. Ltg. L. Blue Soft  
**JOHNSON**  
4439-1607

LS. Ltg. Sl. Foss P. Vg. p. Solid Dk. Bl. Sh.  
SSPD. Bl. Foss  
F. Odor  
(4430)  
LS. Ltg. L. Bl. VSI. Foss VSI. Chky  
Phys. Bl. Seal. Sh. SSPD. F. Foss  
F. Odor  
(4435)

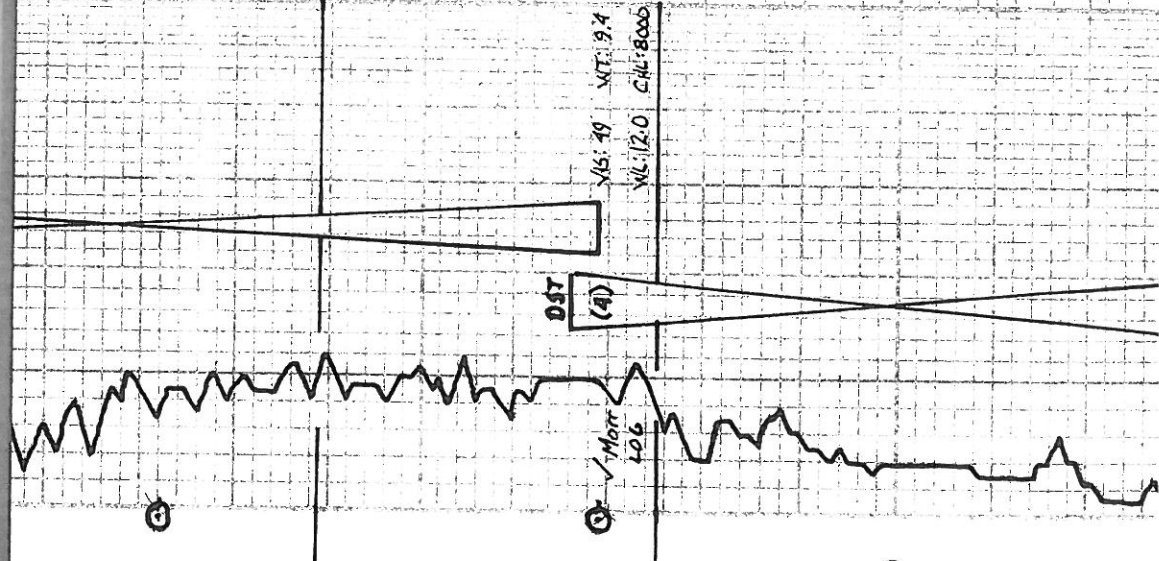
LS. Bl. Ltg. Bl. VSI. Foss Sl. A  
LS. Bl. Sl. Foss Sl. A. Dm.

**MORROW** 4475-1643  
Sh. Yellow Lt Blue. G.

Sh. Lt Blue. G.

Sh. Ltg. G. Silky

Sh. Ltg. F. G. Sub. Red P. Inhd. Well Sorted  
No Odor  
T. Bl. d. Sh. T. F. Bl. Blue (C1) Picked  
Sh. G. G. F. M. G. Poorly Sorted Sub. Red



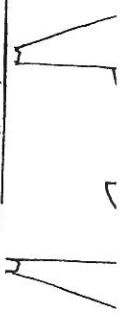
4500

DST (4) 4466-4532

1<sup>st</sup> OPEN: Blow Drill to 1 1/4"  
2<sup>nd</sup> OPEN: " " " 1/8"

30.60.45-90

Rec. 30' Mud w/few oil spots



LS. RI. USI. ool. Si. Chilly.

LS. To wt. ool. sdy. Chilly.

SD. Cl. G. V. Fr. Fr. Sub. Rd. No. Odor. No. Odor.

SD. Cl. G. Fr. G. Sub. Rd. Py. O. N. S. No. Odor.

LS. Fr. G. Rd. Ool. Du. USI. G.

SD. Cl. G. Fr. G. Sub. Rd. N. S. No. Odor. w/ Fr. Glau.

LS. Fr. Si. G. Du.

LS. Fr. G. ool. Si. Chilly.

LS. Fr. G. USI. G. Du.

MISS. SPERGEN 4639-1807

Do. L. R. Fr. Fr. Sub. Rd. No. Odor. No. Odor.

Do. Fr. Fr. Fr. Fr. Sub. Rd. No. Odor. No. Odor.

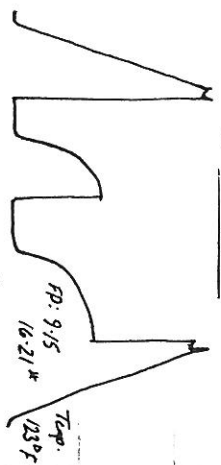
Tool Sample: 100 ml w/ specs oil

DST (5) STRADDLE 4552-4580

STOPPED: Blow built to 1 1/4" Zapped: surface blow in 25 min.

30.60.45.90

Rec. 30' Mud

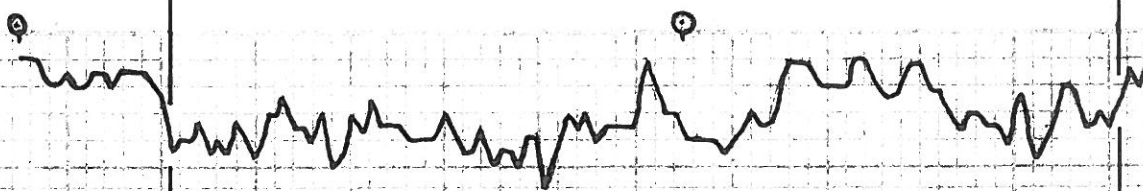


SIP: 1068-977

Tool Sample: 407.10 USI. M G. C. 14.00 M: 7.5

RW: .32 @ 88°F

4600



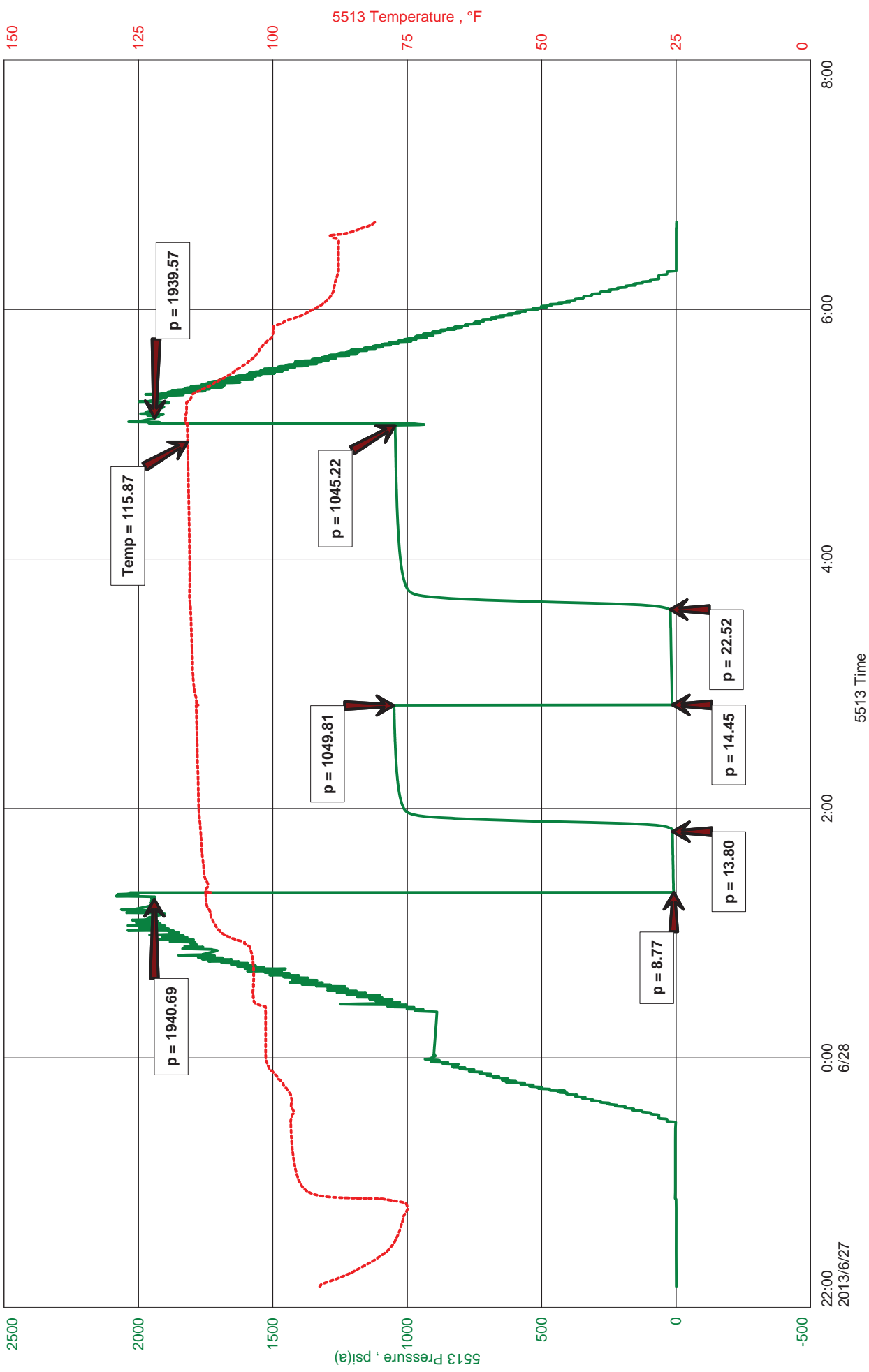
R7D 4635-1823



RAYMOND OIL CO., INC.  
DST #1 LKC 180' 4,075' - 4,113'  
Start Test Date: 2013/06/27  
Final Test Date: 2013/06/28

ROSE 'F' #1  
Formation: DST #1 LKC 180' 4,075' - 4,113'

# ROSE 'F' #1





ROGER D. FRIEDLY

CELL # 620-793-2043

**General Information**

Company Name	RAYMOND OIL CO., INC.		
Contact	TED MCHENRY	Job Number	
Well Name	ROSE 'F' #1	Representative	BOB HAMEL
Unique Well ID	DST #1 LKC 180' 4,075' - 4,113'	Well Operator	RAYMOND OIL CO., INC.
Surface Location	SEC 2-14S-32W LOGAN CO., KS	Prepared By	ROGER D. FRIEDLY
Field	ROSE GARDEN	Qualified By	KIM SHOEMAKER
Well Type	Vertical	Test Unit	NO. 6

**Test Information**

Test Type	CONVENTIONAL	Representative	BOB HAMEL
Formation	DST #1 LKC 180' 4,075' - 4,113'	Well Operator	RAYMOND OIL CO., INC.
Well Fluid Type	01 Oil	Report Date	2013/06/28
Test Purpose (AEUB)	Initial Test	Prepared By	ROGER D. FRIEDLY

Start Test Date	2013/06/27	Start Test Time	22:10:00
Final Test Date	2013/06/28	Final Test Time	06:43:00

**Test Results**

RECOVERED: 30' WM 20% WTR, 80% MUD  
39' TOTAL FLUID

TOOL SAMPLE: 60% WTR, 40% MUD

CHLORIDES: 21,500 Ppm  
PH: 7.5  
RW: .25 @ 76 deg.



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: rosef1dst1

TIME ON: 22:10 (6.27)  
TIME OFF: 06:43 (6.28)

Company RAYMOND OIL CO., INC. Lease & Well No. ROSE 'F' #1  
Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL CO., INC.  
Elevation 2,832' KB Formation LKC 180' Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 6-28-2013 Sec. 2 Twp. 14 S Range 32 W County LOGAN State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative BOB HAMEL

Formation Test No. 1 Interval Tested from 4,075 ft. to 4,113 ft. Total Depth 4,113 ft.  
Packer Depth 4,070 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4,075 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4,056 ft. Recorder Number 5513 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4,279 ft. Recorder Number 13386 Cap. 4,950 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 59 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 8.9 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 5,000 P.P.M. Drill Pipe Length 4,042 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #6 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 38 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 INCREASING TO " (NObb)  
2nd Open: WEAK SURFACE BLOW AFTER 36 MIN THRU OUT (NObb)

Recovered <u>30</u> ft. of <u>WM 20% WTR, 80% MUD</u>	
Recovered <u>30</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	CHLORIDES 21,500 Ppm
Recovered _____ ft. of _____	PH 7.5
Recovered _____ ft. of _____	RW .25 @ 76 deg
Remarks: _____	Insurance
TOOL SAMPLE: <u>60% WTR, 40% MUD</u>	Total

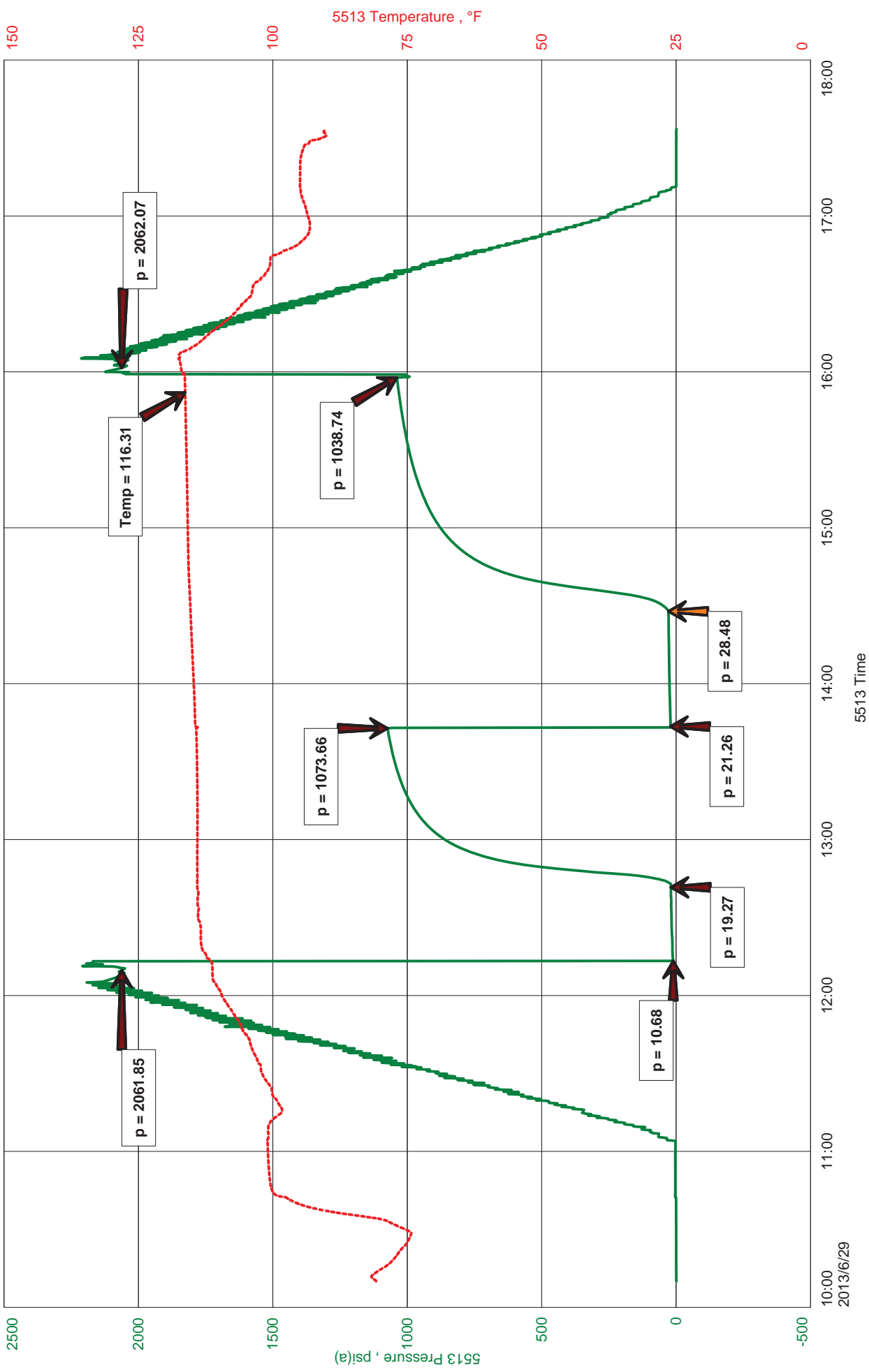
Time Set Packer(s) 1:20 A.M. A.M. P.M. Time Started Off Bottom 5:05 A.M. A.M. P.M. Maximum Temperature 116  
Initial Hydrostatic Pressure..... (A) 1,941 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 14 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1,050 P.S.I.  
Final Flow Period..... Minutes 45 (E) 14 P.S.I. to (F) 23 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1,045 P.S.I.  
Final Hydrostatic Pressure..... (H) 1,940 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.

RAYMOND OIL CO., INC.  
DST #2 PAWNEE / MYRICK ST. 4,300' - 4,365'  
Start Test Date: 2013/06/29  
Final Test Date: 2013/06/29

ROSE 'F' #1  
Formation: DST #2 PAWNEE / MYRICK ST. 4,300' - 4,365'

# ROSE 'F' #1





ROGER D. FRIEDLY

CELL # 620-793-2043

**General Information**

Company Name	RAYMOND OIL CO., INC.		
Contact	TED MCHENRY	Job Number	
Well Name	ROSE 'F' #1	Representative	BOB HAMEL
Unique Well ID	DST #2 PAWNEE / MYRICK ST. 4,300' - 4,365'	Well Operator	RAYMOND OIL CO., INC.
Surface Location	SEC 2-14S-32W LOGAN CO., KS	Prepared By	ROGER D. FRIEDLY
Field	ROSE GARDEN	Qualified By	KIM SHOEMAKER
Well Type	Vertical	Test Unit	NO. 6

**Test Information**

Test Type	CONVENTIONAL	Representative	BOB HAMEL
Formation	DST #2 PAWNEE / MYRICK ST. 4,300' - 4,365'	Well Operator	RAYMOND OIL CO., INC.
Well Fluid Type	01 Oil	Report Date	2013/06/29
Test Purpose (AEUB)	Initial Test	Prepared By	ROGER D. FRIEDLY
Start Test Date	2013/06/29	Start Test Time	10:10:00
Final Test Date	2013/06/29	Final Test Time	17:34:00

**Test Results**

RECOVERED: 40' WCM 26% WTR, 74% MUD  
40' TOTAL FLUID

TOOL SAMPLE: 31% WTR, 69% MUD - SCUM OF OIL

CHLORIDES: 24,000 Ppm  
PH: 7.5  
RW: .24 @ 86 deg.



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: rosef1dst2

TIME ON: 10:10  
TIME OFF: 17:34

Company RAYMOND OIL CO., INC. Lease & Well No. ROSE 'F' #1  
Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL CO., INC.  
Elevation 2,832' KB Formation PAWNEE / MYRICK STATION Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 6-29-2013 Sec. 2 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 32 W County LOGAN State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative BOB HAMEL

Formation Test No. 2 Interval Tested from 4,300 ft. to 4,365 ft. Total Depth 4,365 ft.  
Packer Depth 4,295 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4,300 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4,281 ft. Recorder Number 5513 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4,362 ft. Recorder Number 13386 Cap. 4,950 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 45 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 11.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 7,800 P.P.M. Drill Pipe Length 4,267 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #6 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 65 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>(32' DP IN ANCHOR)</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW INCREASING TO 1 1/2" (NObb)  
2nd Open: WEAK SURFACE BLOW INCREASING TO 1/2" (NObb)

Recovered 40 ft. of WCM 26% WTR, 74% MUD  
Recovered 40 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

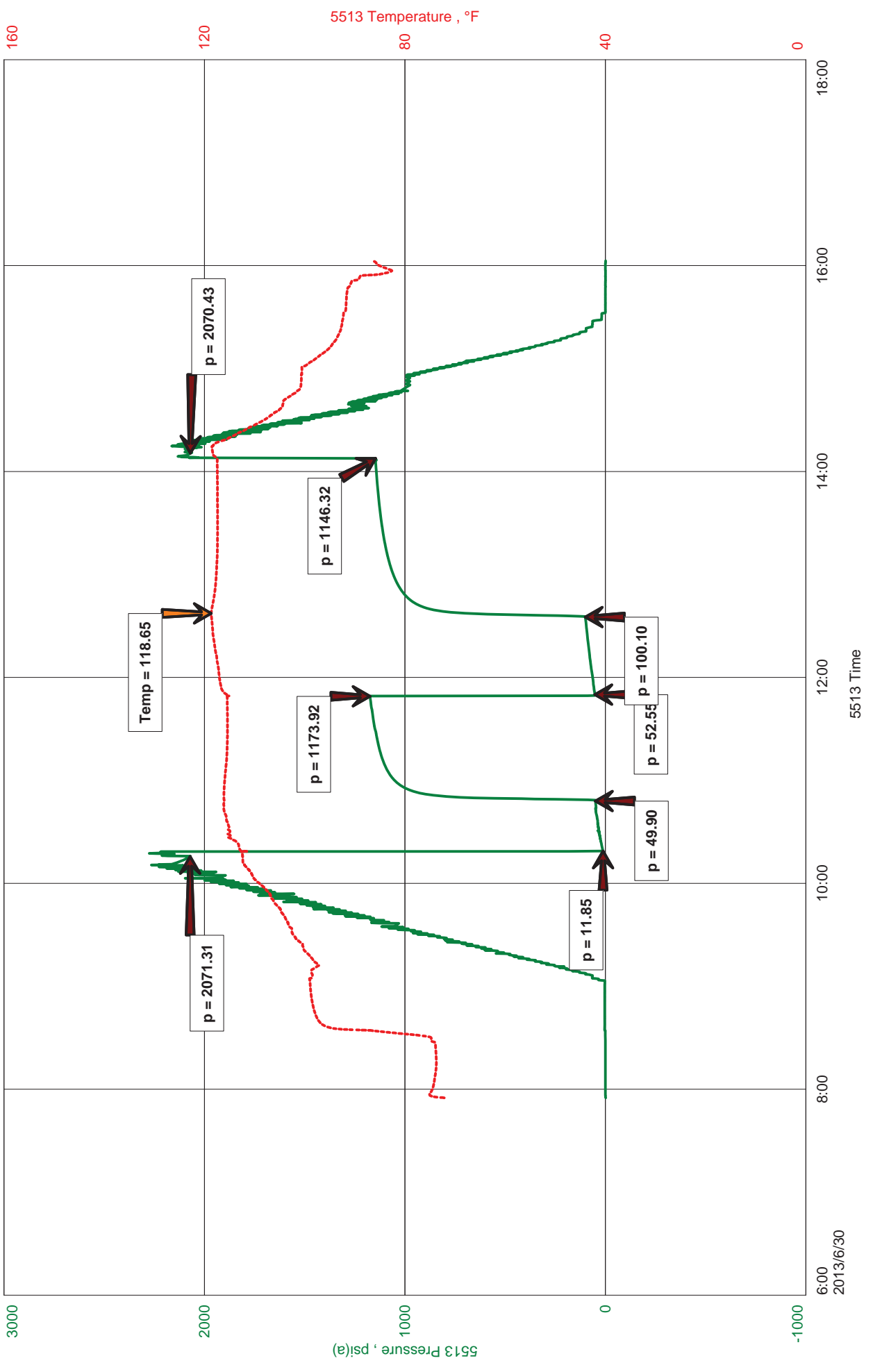
Recovered _____ ft. of _____	CHLORIDES 24,000 PpM	Price Job
Recovered _____ ft. of _____	PH 7.5	Other Charges
Remarks: _____	RW .24 @ 86 deg	Insurance
TOOL SAMPLE: 31% WTR, 69% MUD -N SCUM OF OIL		Total

Time Set Packer(s) 12:13 P.M. <sup>A.M.</sup> P.M. Time Started Off Bottom 3:58 P.M. <sup>A.M.</sup> P.M. Maximum Temperature 116

Initial Hydrostatic Pressure..... (A) 2,062 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 19 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1,074 P.S.I.  
Final Flow Period..... Minutes 45 (E) 21 P.S.I. to (F) 28 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1,039 P.S.I.  
Final Hydrostatic Pressure..... (H) 2,062 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.

# ROSE 'F' #1





ROGER D. FRIEDLY

CELL # 620-793-2043

**General Information**

Company Name	RAYMOND OIL CO., INC.		
Contact	TED MCHENRY	Job Number	
Well Name	ROSE 'F' #1	Representative	BOB HAMEL
Unique Well ID	DST #3 FT SCOTT / JOHNSON 4,363'-4,469'	Well Operator	RAYMOND OIL CO., INC.
Surface Location	SEC 2-14S-32W LOGAN CO., KS	Prepared By	ROGER D. FRIEDLY
Field	ROSE GARDEN	Qualified By	KIM SHOEMAKER
Well Type	Vertical	Test Unit	NO. 6

**Test Information**

Test Type	CONVENTIONAL	Representative	BOB HAMEL
Formation	DST #3 FT SCOTT / JOHNSON 4,363'-4,469'	Well Operator	RAYMOND OIL CO., INC.
Well Fluid Type	01 Oil	Report Date	2013/06/30
Test Purpose (AEUB)	Initial Test	Prepared By	ROGER D. FRIEDLY

Start Test Date	2013/06/30	Start Test Time	07:55:00
Final Test Date	2013/06/30	Final Test Time	16:03:00

**Test Results**

RECOVERED:	63'	WCM	32% WTR, 68% MUD - SCUM OF OIL
	63'	WCM	50% WTR, 50% MUD
	63'	MCW	42% WTR, 58% MUD
	186'	TOTAL FLUID	

TOOL SAMPLE: 42% WTR, 58% MUD - SCUM OF OIL

CHLORIDES:	36,000 Ppm
PH:	7.5
RW:	.21 @ 86 deg.





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: rosef1dst3

TIME ON: 07:55  
TIME OFF: 16:03

Company RAYMOND OIL CO., INC. Lease & Well No. ROSE 'F' #1  
Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL CO., INC.  
Elevation 2,832' KB Formation FT SCOTT / JOHNSON Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 6-30-2013 Sec. 2 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 32 W County LOGAN State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative BOB HAMEL

Formation Test No. 3 Interval Tested from 4,363 ft. to 4,469 ft. Total Depth 4,469 ft.  
Packer Depth 4,358 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4,363 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4,344 ft. Recorder Number 5513 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4,463 ft. Recorder Number 13386 Cap. 4,950 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 9.4 Water Loss 12.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 8,000 P.P.M. Drill Pipe Length 4,330 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #6 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 106 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>(63' DP IN ANCHOR)</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING TO 7" (NObb)  
2nd Open: WEAK 1/4" BLOW INCREASING TO 6 1/2" (NObb)

Recovered 63 ft. of WCM 32% WTR, 68% MUD - SCUM OF OIL  
Recovered 63 ft. of WCM 50% WTR, 50% MUD  
Recovered 63 ft. of MCW 57% WTR, 43% MUD

Recovered <u>186</u> ft. of <u>TOTAL FLUID</u>	<u>CHLORIDES 36,000 Ppm</u>	
Recovered _____ ft. of _____	<u>PH 7.5</u>	Price Job
Recovered _____ ft. of _____	<u>RW .21 @ 86 deg</u>	Other Charges
Remarks: _____		Insurance
<u>TOOL SAMPLE: 42% WTR, 58% MUD - SCUM OF OIL</u>		Total

Time Set Packer(s) 10:18 A.M. <sup>A.M.</sup> P.M. Time Started Off Bottom 2:03 P.M. <sup>A.M.</sup> P.M. Maximum Temperature 119

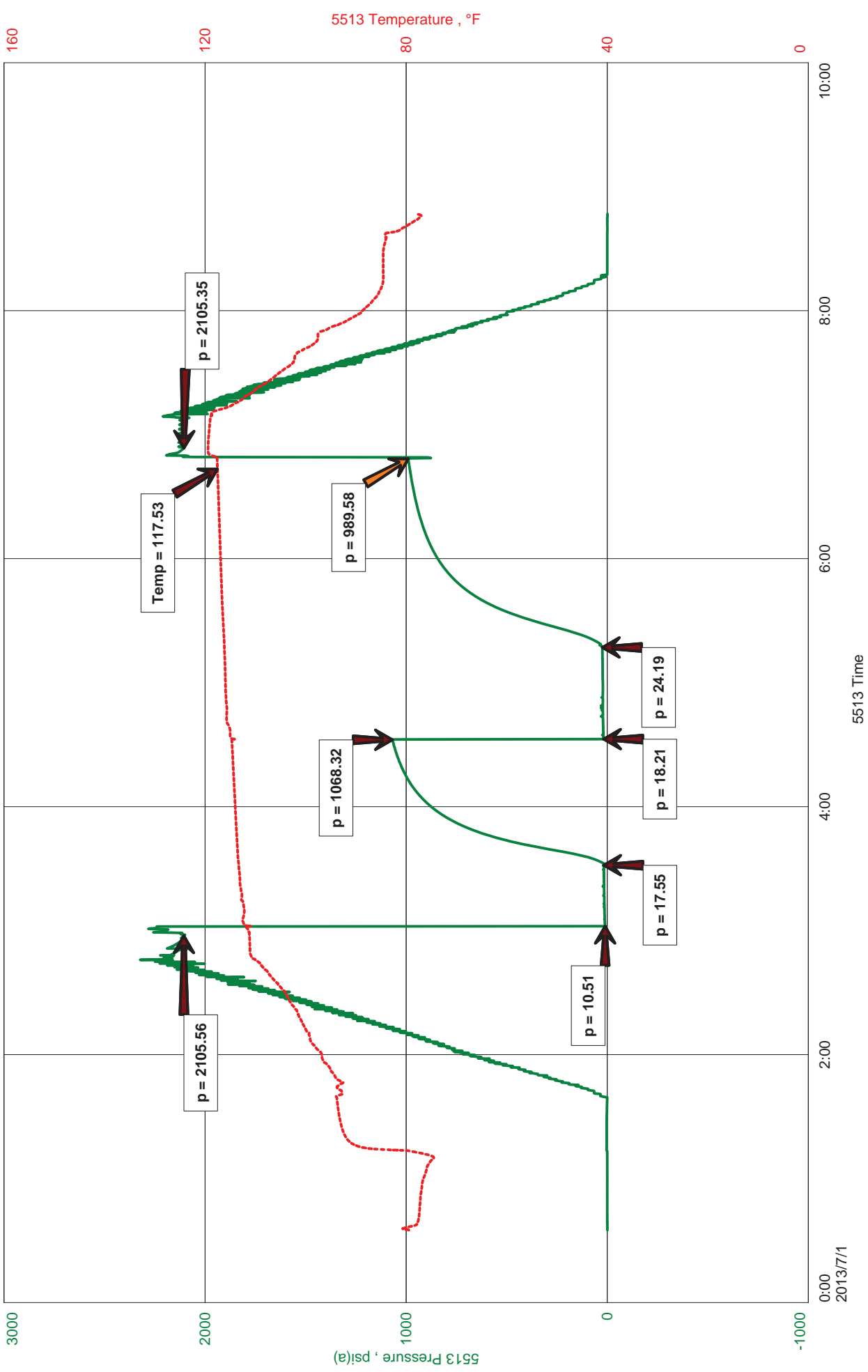
Initial Hydrostatic Pressure..... (A) 2,071 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 50 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1,174 P.S.I.  
Final Flow Period..... Minutes 45 (E) 53 P.S.I. to (F) 100 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1,146 P.S.I.  
Final Hydrostatic Pressure..... (H) 2,070 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.

RAYMOND OIL CO., INC.  
DST #4 MORROW SAND 4,466' - 4,532'  
Start Test Date: 2013/07/01  
Final Test Date: 2013/07/01

ROSE 'F' #1  
Formation: DST #4 MORROW SAND 4,466' - 4,532'

# ROSE 'F' #1





ROGER D. FRIEDLY

CELL # 620-793-2043

### General Information

Company Name	RAYMOND OIL CO., INC.	TED MCHENRY	Job Number	
Contact		ROSE 'F' #1	Representative	BOB HAMEL
Well Name		DST #4 MORROW SAND 4,466' - 4,532'	Well Operator	RAYMOND OIL CO., INC.
Unique Well ID		SEC 2-14S-32W LOGAN CO., KS	Prepared By	ROGER D. FRIEDLY
Surface Location		ROSE GARDEN	Qualified By	KIM SHOEMAKER
Field		Vertical	Test Unit	NO. 6
Well Type				

### Test Information

Test Type	CONVENTIONAL	Representative	BOB HAMEL
Formation	DST #4 MORROW SAND 4,466' - 4,532'	Well Operator	RAYMOND OIL CO., INC.
Well Fluid Type	01 Oil	Report Date	2013/07/01
Test Purpose (AEUB)	Initial Test	Prepared By	ROGER D. FRIEDLY

Start Test Date	2013/07/01	Start Test Time	00:35:00
Final Test Date	2013/07/01	Final Test Time	08:47:00

### Test Results

RECOVERED: 30' DM 100% MUD - FEW OIL SPECKS  
30' TOTAL FLUID

TOOL SAMPLE: 100% MUD - FEW OIL SPECKS



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: rosef1dst4

TIME ON: 00:35  
TIME OFF: 08:47

Company RAYMOND OIL CO., INC. Lease & Well No. ROSE 'F' #1  
Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL CO., INC.  
Elevation 2,832' KB Formation MORROW SAND Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 7-01-2013 Sec. 2 Twp. 14 S Range 32 W County LOGAN State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative BOB HAMEL

Formation Test No. 4 Interval Tested from 4,466 ft. to 4,532 ft. Total Depth 4,532 ft.  
Packer Depth 4,461 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4,466 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4,447 ft. Recorder Number 5513 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4,529 ft. Recorder Number 13386 Cap. 4,950 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 12.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 8,000 P.P.M. Drill Pipe Length 4,433 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #6 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 66 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 1/8" BLOW INCREASING TO 1 1/4" (NObb)  
2nd Open: WEAK SURFACE BLOW INCREASING TO 1/4" (NObb)

Recovered <u>30</u> ft. of <u>DM 100% MUD - FEW OIL SPECKS</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
<u>TOOL SAMPLE: 100% MUD - FEW OIL SPECKS</u>	Total

Time Set Packer(s) 3:02 A.M. A.M. P.M. Time Started Off Bottom 6:47 A.M. A.M. P.M. Maximum Temperature 118

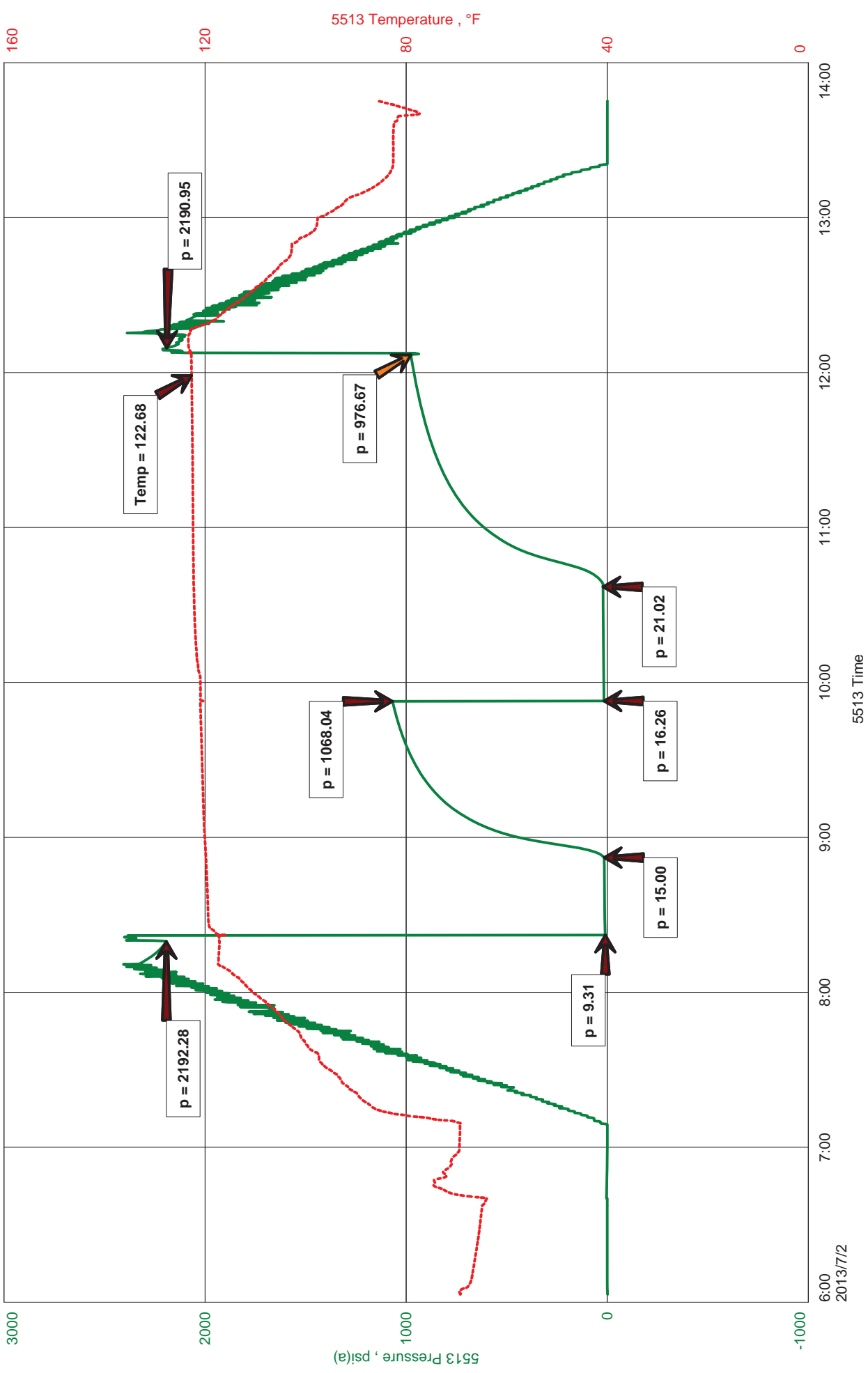
Initial Hydrostatic Pressure..... (A) 2,106 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 18 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1,068 P.S.I.  
Final Flow Period..... Minutes 45 (E) 18 P.S.I. to (F) 24 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 990 P.S.I.  
Final Hydrostatic Pressure..... (H) 2,105 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.

RAYMOND OIL CO., INC.  
DST #5 MISS 4,552' - 4,590' TD 4,655'  
Start Test Date: 2013/07/02  
Final Test Date: 2013/07/02

ROSE '1' #1  
Formation: DST #5 MISS 4,552' - 4,590' TD 4,655'

# ROSE '1' #1





ROGER D. FRIEDLY

CELL # 620-793-2043

**General Information**

Company Name	RAYMOND OIL CO., INC.		
Contact	TED MCHENRY	Job Number	
Well Name	ROSE '1' #1	Representative	BOB HAMEL
Unique Well ID	DST #5 MISS 4,552' - 4,590' TD 4,655'	Well Operator	RAYMOND OIL CO., INC.
Surface Location	SEC 2 14S-32W LOGAN CO., KS	Prepared By	ROGER D. FRIEDLY
Field	ROSE GARDEN	Qualified By	KIM SHOEMAKER
Well Type	Vertical	Test Unit	NO. 6

**Test Information**

Test Type	STRADDLE TEST	Representative	BOB HAMEL
Formation	DST #5 MISS 4,552' - 4,590' TD 4,655'	Well Operator	RAYMOND OIL CO., INC.
Well Fluid Type	01 Oil	Report Date	2013/07/02
Test Purpose (AEUB)	Initial Test	Prepared By	ROGER D. FRIEDLY

Start Test Date	2013/07/02	Start Test Time	06:03:00
Final Test Date	2013/07/02	Final Test Time	

**Test Results**

RECOVERED: 30' DM 100% MUD  
 30' TOTAL FLUID

TOOL SAMPLE: 40% WTR, 60% MUD

CHLORIDES: 14,000 Ppm  
 PH: 7.5  
 RW: .32 @ 88 deg.  
 BELOW STRADDLE (HELD) RECORDER 1,365 PSI



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: rosef1dst5

TIME ON: 06:03  
TIME OFF: 13:45

Company RAYMOND OIL CO., INC. Lease & Well No. ROSE 'F' #1  
Contractor L.D. DRILLING, INC. Charge to RAYMOND OIL CO., INC.  
Elevation 2,832' KB Formation MISSISSIPPI Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 7-02-2013 Sec. 2 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 32 W County LOGAN State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative BOB HAMEL

Formation Test No. 5 Interval Tested from 4,552 ft. to 4,580 ft. Total Depth 4,655 ft.  
Packer Depth 4,547 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4,552 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4,533 ft. Recorder Number 5513 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4,575 ft. Recorder Number 13306 Cap. 4,635 P.S.I.  
Below Straddle Recorder Depth 4,652 ft. Recorder Number 13386 Cap. 4,950 P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 10.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 7,400 P.P.M. Drill Pipe Length 4,519 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #6 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 28 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. TAIL PIPE 75' Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/8" BLOW INCREASING TO 1 1/4" (NObb)  
2nd Open: WEAK SURFACE BLOW IN 28 MIN THRU-OUT REMAINDER (NObb)

Recovered <u>30 ft.</u> of <u>DM 100% MUD</u>	
Recovered <u>30 ft.</u> of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	<u>CHLORIDES 14,000 Ppm</u>
Recovered _____ ft. of _____	<u>PH 7.5</u>
Recovered _____ ft. of _____	<u>RW.32 @ 88 deg</u>
Recovered _____ ft. of _____	Price Job
Remarks: _____	Other Charges
<u>BELOW STRADDLE (HELD) RECORDER 1,365 PSI</u>	Insurance
<u>TOOL SAMPLE: 40% WTR, 60% MUD</u>	Total

Time Set Packer(s) 8:22 A.M. <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 12:07 P.M. <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 2,192 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 15 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1,068 P.S.I.  
Final Flow Period..... Minutes 45 (E) 16 P.S.I. to (F) 21 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 977 P.S.I.  
Final Hydrostatic Pressure..... (H) 2,191 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.



**CONSOLIDATED**  
Oil Well Services, LLC

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

TICKET NUMBER 37954  
LOCATION Oak Hills  
FOREMAN Mitchell

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-2-13	7158	Rose F #1	2	14S	32W	Logan
CUSTOMER Raymond Oil			Dakota South to master			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			399	Damon M		
STATE			397	Tim W		
ZIP CODE						

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4655 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.4 SLURRY VOL 1.4 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting and rig upon LD drilling plus as ordered  
1st 255 S/S @ 2325'  
2nd 105 S/S @ 1275'  
3rd 40 S/S @ 325'  
Top 10 S/S @ 40' with wiper plug 205 S/S 600/40 per 40 sec 7/4 # 105-rod  
BH 30 S/S

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
540511	1	PUMP CHARGE	1395.00	1395.00
5404	15	MILEAGE	5.25	78.75
5407	8.81 tons	Ton mileage delivery	430.00	430.00
1131	205 S/S	600/40 per mix	15.86	3251.30
1118R	705 #	Bentonite gel	1.27	190.35
1107	51 #	Flo Seal	2.97	151.47
4430	1	8 5/8" Wooden Plug	100.75	100.75
			Subtotal	5597.62
			less 10% discount	559.76
			Subtotal	5037.86
			SALES TAX	
			ESTIMATED	
			TOTAL	

Ravin 3737 AUTHORIZATION Rebel Wilson 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.





**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 37947  
LOCATION Oakley KS  
FOREMAN Miles Shaw

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
6-22-13	7158	Rose #1	2	14S	32W	Logan
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Raymond Oil			405	Jordan		
MAILING ADDRESS			460	Jeremy R/Dishon		
CITY	STATE	ZIP CODE				

3011-4  
South to  
White Sulphur  
Belt  
1/25 miles long  
Eds into

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 8 7/8 24#  
CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
DISPLACEMENT 15 1/2 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting and rig upon LD drilling circulate casing  
mix 180SKS common class A cement with 3% calcium 2% gel displaced  
15 1/2 bbls water shut in cement did circulate 3 hrs to pit

*Thanks Miles & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00
5406	15	MILEAGE	5.25	78.75
5407	8.40 Ton	Ton mileage delivery	430.00	430.00
11045	180SKS	Common Class A cement	18.55	3339.00
1102	507 #	Calcium Chloride	.94	476.58
1118B		Bentonite gel	.27	338.40
			Subtotal	5812.73
			1 ps 1000 discount	581.27
			Subtotal	5231.46
			SALES TAX	
			ESTIMATED TOTAL	

Ravin 3737

AUTHORIZATION Rhul Wala 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.