





1167280

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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PO Box 884, Ghanute, KS 66720  
620-431-9210 or 800-467-8676

263254

TICKET NUMBER 44377  
LOCATION Oakley, Ks.  
FOREMAN Dauen

FIELD TICKET & TREATMENT REPORT  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/16/13	7158	Burker Trust #1	5	6	20	Rooks
CUSTOMER Raymond oil Co.			Ks.			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	Cory D		
STATE			693	Merle R		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 265 CASING SIZE & WEIGHT 85/8 24"  
 CASING DEPTH 265.77 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 15.65 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting Rig up on H2 #2 Run Casing Break Circulation with Rig Pump Hookup to Pump Truck mix 185 sks Cem 3% CC 2% Gel Displace 15.65 bbl Water Shut in

Cement Did Circulate

Approx 2 bbl To Pit

Thanks Dauen + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 S	1	PUMP CHARGE	*1150. <sup>00</sup>	*1150. <sup>00</sup> ✓
9406	85	MILEAGE	*5.25	*446. <sup>25</sup> ✓
5407 A	8.7	Ton Mileage Delivery	*1.75	*1294. <sup>75</sup> ✓
1104 S	185 SKS	Class A Cement	*18.55	*3431. <sup>75</sup> ✓
1102	522 *	Calcium Chloride	*.94	*490. <sup>68</sup> ✓
1118 B	348 *	Bentonite	*.27	*93. <sup>96</sup> ✓
			Sub Total	*6906. <sup>76</sup> ✓
			Less 10%	*690. <sup>68</sup> ✓
			Sub Total	*6216. <sup>08</sup> ✓
			6.15%	SALES TAX
				222. <sup>31</sup> ✓
			ESTIMATED TOTAL	6438. <sup>39</sup> ✓

**completed**

AUTHORIZATION Steven Craig TITLE TOOLPUSHER DATE 10-17-13

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

263465

TICKET NUMBER 44489  
LOCATION Oakley, KS  
FOREMAN Walt Dunkel

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
10-23-13	7158	Burker Trust #1	5	6S	20W	Rooks	
CUSTOMER #			Hilleit		TRUCK #		DRIVER
MAILING ADDRESS			East to Rd 360 north to Rd B 1/4 W 1/4 S		463		Jerry Yates
CITY			STATE		ZIP CODE		528
							Cody Rooks
							Take Ride along

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13# SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Safety meeting, rig up on H2 #2, Plug as ordered

50 SKS @ 3620'  
 25 SKS @ 1780'      270 SKS @ 6 3/4 per, 4% gel  
 100 SKS @ 1,050'      1/4 # Flo-seal  
 40 SKS 325  
 10 SKS 40 w/ Plug  
 15 SKS in Well  
 30 SKS in Rill

Thank You  
Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401B	1	PUMP CHARGE	1,785.00	1,785.00
5406	85	MILEAGE	5.25	446.25
1131	270 SKS	6 3/4 per,	15.86	4,282.20
1118B	928 #	gel	1.27	250.56
1107	68 #	Flo-seal	2.93	201.96
5407A	11.61	Tan Mileage Delivery	1.75	1,721.20
4432	1	8 5/8 wooden Plug	100.75	100.75
<b>completed</b>				
				8,793.92
				- 879.39
				7,914.53
				267.65
SALES TAX 6.15%				267.65
ESTIMATED TOTAL				8182.18

Ravin 3737

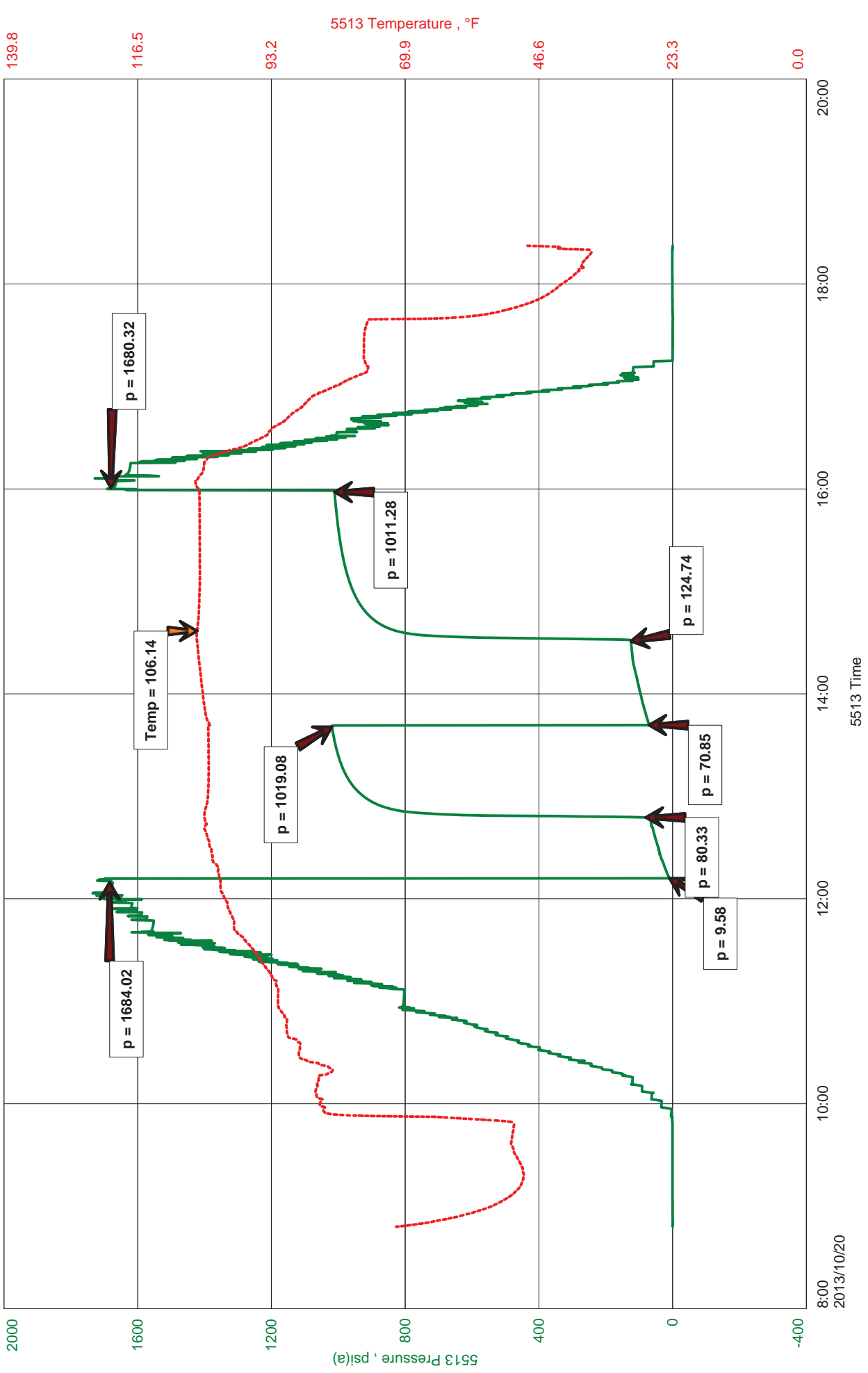
AUTHORIZATION Steven Craig TITLE TOOLPUSHER DATE 10-23-13

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.

Raymond Oil Company, Inc  
DST #1 Lansing A-F  
Start Test Date: 2013/10/20  
Final Test Date: 2013/10/21

Burker Trust #1  
Formation: Lansing A-F  
Pool: Wildcat  
Job Number: K047

# Burker Trust #1





**JASON MCLEMORE**

**CELL # 620-6170527**

**General Information**

<b>Company Name</b>	Raymond Oil Company, Inc	<b>Job Number</b>	K047
<b>Contact</b>	Bill Raymond	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Burker Trust #1	<b>Well Operator</b>	Raymond Oil Company, Inc
<b>Unique Well ID</b>	DST #1 Lansing A-F	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	5-6s-20w-Rooks	<b>Qualified By</b>	Pat Balthazar
<b>Field</b>	Wildcat	<b>Test Unit</b>	#7
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Lansing A-F	<b>Well Operator</b>	Raymond Oil Company, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2013/10/21
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2013/10/20	<b>Start Test Time</b>	20:48:00
<b>Final Test Date</b>	2013/10/21	<b>Final Test Time</b>	06:24:00

**Test Results**

RECOVERED:  
190 Muddy Water, 95%W, 5%M  
190 Total Fluid

CHLORIDES: 54000  
PH: 7  
RW: .180 @ 64



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: burker1dst1

TIME ON: 8:48 PM  
TIME OFF: 6:24 AM

Company Raymond Oil Company, Inc. Lease & Well No. Burker Trust #1  
Contractor H2 #2 Charge to Raymond Oil Company, Inc.  
Elevation KB 2160 Formation Lansing A-F Effective Pay \_\_\_\_\_ Ft. Ticket No. K047  
Date 10-20-13 Sec. 5 Twp. 6 S Range 20 W County Rooks State KANSAS  
Test Approved By Pat Balthazar Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 3417 ft. to 3484 ft. Total Depth 3484 ft.  
Packer Depth 3412 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3417 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3405 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3481 ft. Recorder Number 13306 Cap. 4625 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 50 Drill Collar Length 237 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 5.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 500 P.P.M. Drill Pipe Length 3155 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out No Anchor Length 67 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak Blow, Built to 1", Died in 10 Min., No Blowback  
2nd Open: Small Surge on Open, Dead, After 10 Min Weak Surface Blow, No Blowback

Recovered 190 ft. of Muddy Water, 95%W, 5%M  
Recovered 190 ft. of Total Fluid  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of CHLORIDES: 54000

Recovered _____ ft. of <u>PH: 7</u>	Price Job
Recovered _____ ft. of <u>RW: .180 @ 64</u>	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 12:12 AM A.M. P.M. Time Started Off Bottom 3:57 AM A.M. P.M. Maximum Temperature 106

Initial Hydrostatic Pressure..... (A) 1684 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 80 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1019 P.S.I.  
Final Flow Period..... Minutes 45 (E) 71 P.S.I. to (F) 125 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1011 P.S.I.  
Final Hydrostatic Pressure..... (H) 1680 P.S.I.

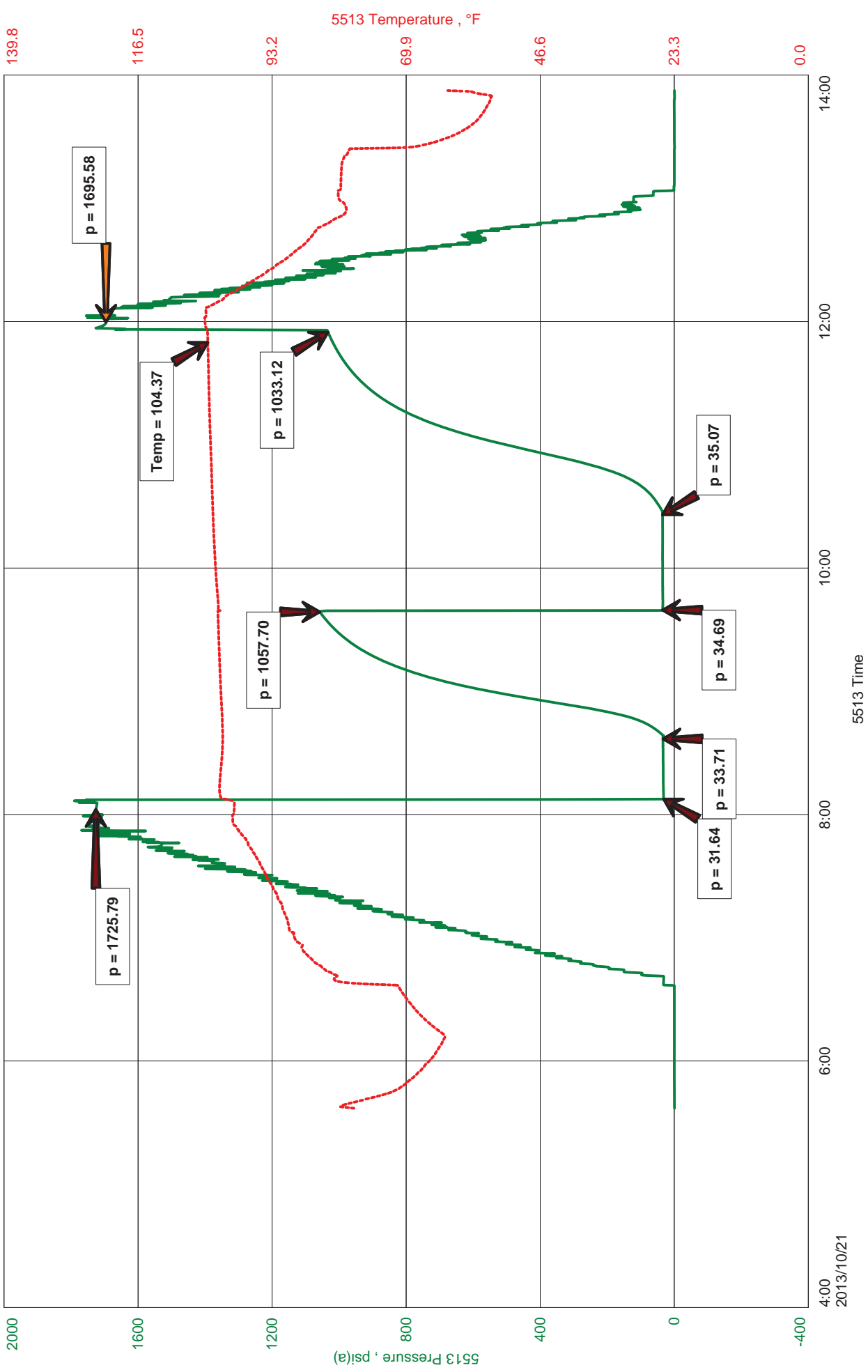
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged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



Raymond Oil Company, Inc  
DST #2 H-I 3520-3552  
Start Test Date: 2013/10/21  
Final Test Date: 2013/10/22

Burker Trust #1  
Formation: H-I  
Job Number: K048

# Burker Trust #1







**JASON MCLEMORE**

**CELL # 620-6170527**

**General Information**

<b>Company Name</b>	Raymond Oil Company, Inc	<b>Job Number</b>	K048
<b>Contact</b>	Mike Raymond	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Burker Trust #1	<b>Well Operator</b>	Raymond Oil Company, Inc
<b>Unique Well ID</b>	DST #2 H-I 3520-3552	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	5-6s-20w-Rooks	<b>Qualified By</b>	Pat Balthazar
<b>Field</b>	Wildcat	<b>Test Unit</b>	
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	H-I	<b>Well Operator</b>	Raymond Oil Company, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2013/10/22
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore
<b>Start Test Date</b>	2013/10/21	<b>Start Test Time</b>	17:37:00
<b>Final Test Date</b>	2013/10/22	<b>Final Test Time</b>	01:53:00

**Test Results**

**RECOVERED:**

30 Mud With Oil Specks <1% Oil  
30 Total Fluid

**TOOL SAMPLE: VSOCM, 2%O, 98%M**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: burker1dst2

TIME ON: 5:37 PM  
TIME OFF: 1:53 AM

Company Raymond Oil Company, Inc. Lease & Well No. Burker Trust #1  
Contractor H2 #2 Charge to Raymond Oil Company, Inc.  
Elevation KB 2160 Formation \_\_\_\_\_ H-I Effective Pay \_\_\_\_\_ Ft. Ticket No. K048  
Date 10-21-13 Sec. 5 Twp. \_\_\_\_\_ 6 S Range \_\_\_\_\_ 20 W County \_\_\_\_\_ Rooks State KANSAS  
Test Approved By Pat Balthazar Diamond Representative Jason McLemore

Formation Test No. 2 Interval Tested from 3520 ft. to 3552 ft. Total Depth 3552 ft.  
Packer Depth 3515 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3520 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3508 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3549 ft. Recorder Number 13306 Cap. 4625 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 54 Drill Collar Length 237 ft. I.D. 2 1/4 in.  
Weight 8.9 Water Loss 5.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 900 P.P.M. Drill Pipe Length 3258 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out No Anchor Length 32 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: Slid Tool 3', Surge, Then died, no Blowback  
2nd Open: Dead

Recovered <u>30</u> ft. of <u>Mud With Oil Specks, &lt;1% Oil</u>	
Recovered <u>30</u> ft. of <u>Total Fluid</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>Tool Sample: VSOCM, 2% Oil, 98% Mud</u>	Other Charges
Remarks: _____	Insurance
	Total

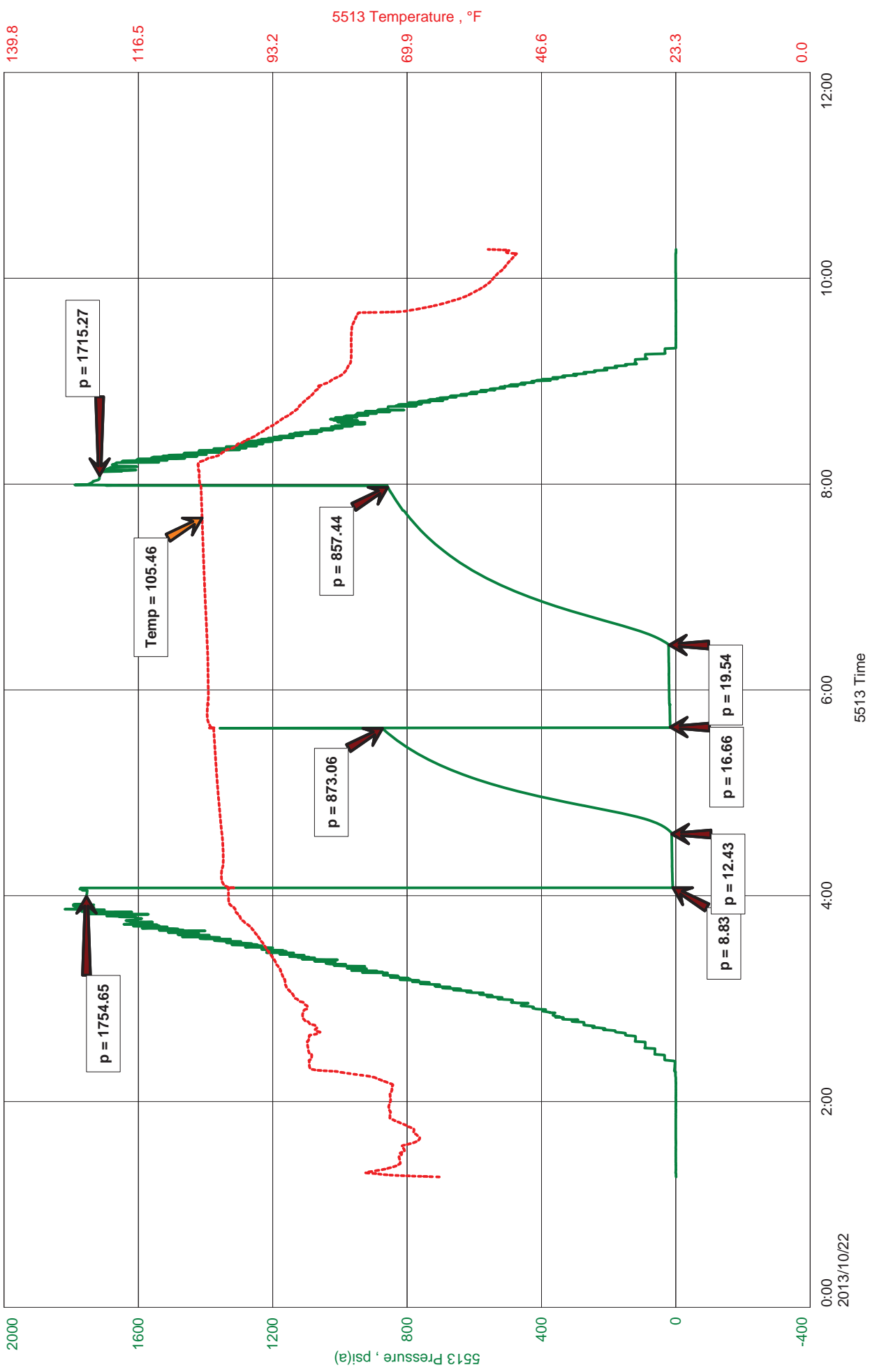
Time Set Packer(s) 8:08 PM A.M. P.M. Time Started Off Bottom 1:53 AM A.M. P.M. Maximum Temperature 104  
Initial Hydrostatic Pressure..... (A) 1726 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 32 P.S.I. to (C) 34 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1058 P.S.I.  
Final Flow Period..... Minutes 45 (E) 35 P.S.I. to (F) 35 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1033 P.S.I.  
Final Hydrostatic Pressure..... (H) 1696 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 Company, Inc  
DST #3 Reagan Sand 3593-3643  
Start Test Date: 2013/10/22  
Final Test Date: 2013/10/22

Burker Trust #1  
Formation: Reagan Sand  
Pool: Wildcat  
Job Number: K049

# Burker Trust #1





**JASON MCLEMORE**

**CELL # 620-6170527**

**General Information**

<b>Company Name</b>	Raymond Oil Company, Inc	<b>Job Number</b>	K049
<b>Contact</b>	Mike Raymond	<b>Representative</b>	Jason Mclemore
<b>Well Name</b>	Burker Trust #1	<b>Well Operator</b>	Raymond Oil Company, Inc
<b>Unique Well ID</b>	DST #3 Reagan Sand 3593-3643	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	5-6s-20w-Rooks	<b>Qualified By</b>	Pat Balthazar
<b>Field</b>	Wildcat	<b>Test Unit</b>	#7
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason Mclemore
<b>Formation</b>	Reagan Sand	<b>Well Operator</b>	Raymond Oil Company, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2013/10/22
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore
<b>Start Test Date</b>	2013/10/22	<b>Start Test Time</b>	13:16:00
<b>Final Test Date</b>	2013/10/22	<b>Final Test Time</b>	22:17:00

**Test Results**

**RECOVERED:**

10	Mud With Oil Specks
10	Total Fluid

**Tool Sample: Mud With Oil Specks**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: burker1dst3

TIME ON: 1:16 PM  
TIME OFF: 10:17 PM

Company Raymond Oil Company, Inc. Lease & Well No. Burker Trust #1  
Contractor H2 #2 Charge to Raymond Oil Company, Inc.  
Elevation KB 2160 Formation Reagan Sand Effective Pay \_\_\_\_\_ Ft. Ticket No. K049  
Date 10-22-13 Sec. 5 Twp. 6 S Range 20 W County Rooks State KANSAS  
Test Approved By Pat Balthazar Diamond Representative Jason McLemore

Formation Test No. 3 Interval Tested from 3593 ft. to 3643 ft. Total Depth 3643 ft.  
Packer Depth 3586 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3640 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3588 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3593 ft. Recorder Number 13338 Cap. 4950 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 47 Drill Collar Length 237 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 900 P.P.M. Drill Pipe Length 3331 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out No Anchor Length 50 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak Intermittent Surface Blow, No Blowback  
2nd Open: Flush Tool, Surge, Then Dead. No Blowback

Recovered 10 ft. of Mud With Oil Specks, <1% Oil  
Recovered 10 ft. of Total Fluid  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>Tool Sample: Mud With Oil Specks</u>	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 4:05 PM A.M. P.M. Time Started Off Bottom 7:50 PM A.M. P.M. Maximum Temperature 105

Initial Hydrostatic Pressure..... (A) 1755 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 12 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 873 P.S.I.  
Final Flow Period..... Minutes 45 (E) 17 P.S.I. to (F) 20 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 857 P.S.I.  
Final Hydrostatic Pressure..... (H) 1715 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.

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

November 07, 2013

Robert Turner  
Raymond Oil Company, Inc.  
PO BOX 48788  
WICHITA, KS 67201-8788

Re: ACO1  
API 15-163-24153-00-00  
Burker Trust 1  
SE/4 Sec.05-06S-20W  
Rooks 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,  
Robert Turner



## MUD LOG

### WellSight Systems

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

Well Name: Raymond Oil Co., Inc. Burker Trust #1 Rooks Co., Kansas  
Location: SE/4 Sec. 5-6s-20w  
License Number: \_\_\_\_\_ Region: Wildcat  
Spud Date: October 16, 2013 Drilling Completed: October 23, 2013  
Surface Coordinates: 40'w of N/2 - SW - SE/4 Sec.5-6s-20w  
25's of N/2 - SW - SE/4 Sec.5-6s-20w  
Bottom Hole Coordinates: 40'w of N/2 - SW - SE/4 Sec.5-6s-20w  
25's of N/2 - SW - SE/4 Sec.5-6s-20w  
Ground Elevation (ft): 2148' K.B. Elevation (ft): 2160'  
Logged Interval (ft): 2900' To: 3680' Total Depth (ft): 3680'  
Formation: Topeka, LKC, Reagan Sand, Granite Wash, Granite  
Type of Drilling Fluid: Mud-Co/Service Mud: Chemical  
Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

### OPERATOR

Company: Raymond Oil Company, Inc.  
Address: PO BOX 48788  
Wichita, Kansas  
67201+8788

### GEOLOGIST

Name: Pat Balthazor assisted by Robert Turner  
Company: Geo-Logic  
Address: 207 N. Cooper 785-216-0694  
Plainville, Kansas  
67663

### Comments

5/8" surface casing set at 263'.  
Pipe Strap was 00.43 short to board at 3552'  
Contractor: H-2 Rig #2  
Due to lack of porosity it was decided by all parties to abandon the well.

### DSTs

DST #1 3417'-3484' LKC: "b-c-d-f" zones. 30-60-45-90  
Recovered: 190' mdy. wtr. 95% water, 5% mud.  
IFP: 10-80, FFP: 71-125, BHP: 1019-1011, BHT: 106 deg

DST #2 3520'-3552', LKC: "h & i" zones. 30-60-45-90  
Recovered: 30' oil spked mud. 99% mud, 1% oil.  
IFP: 32-34, FFP: 35-35, BHP: 1058-1033, BHT: 104 deg.

DST #3 3593'-3643', Regan Sand 30-60-45-90  
Recovered: 10' oil specked mud.  
IFP: 9-12, FFP: 17-20, BHP: 873-857, BHT: 105 deg.

### Formations



**Structural Comparison**  
**Raymond Oil**                      **Vincent Oil**  
**665' FSL & 2020' FEL**            **SW-NW-SE/4**  
**SE/4 Sec. 5-6s-20w**                **Sec. 5-6s-20w**  
**Sample Tops**    **Log Tops**        **Log Tops**

Anhy.	1763 (+397)	1762 (+398)	1724 (+397)
Topeka	3151 (-991)	3148 (-998)	3112 (-991)
Heebner	3361 (-1201)	3358 (-1198)	3319 (-1198)
Toronto	3379 (-1218)	3380 (-1220)	3344 (-1223)
LKC	3400 (-1240)	3397 (-1237)	3360 (-1239)
Muncie	3505 (-1345)	3503 (-1443)	3468 (-1347)
BKC	3593 (-1433)	3588 (-1428)	3554 (-1433)
Marmaton	3627 (-1467)	3625 (-1465)	3592 (-1471)
Reagan Sand	3636 (-1476)	3634 (-1474)	3599 (-1478)
Granite Wash	Trace in the base of the Regan		3607 (-1486)
Granite	3644 (-1484)	3641 (-1481)	3525 (-1504)
TD	3680 (-1520)	3676 (-1516)	3630 (-1509)

**ROCK TYPES**

Anhy	Clyst	Gyp	Mrst	Shgy
Bent	Coal	Igne	Salt	Sltst
Brec	Congl	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

**ACCESSORIES**

<b>MINERAL</b>	Gyp	<b>FOSSIL</b>	Ostra	Sltstrg
Anhy	Hvymin	Algae	Pelec	Ssstrg
Arggrn	Kaol	Amph	Pellet	<b>TEXTURE</b>
Arg	Marl	Belm	Pisolite	Boundst
Bent	Minxl	Bioclst	Plant	Chalky
Bit	Nodule	Brach	Strom	Cryxln
Brecfrag	Phos	Bryozoa	<b>STRINGER</b>	Earthy
Calc	Pyr	Cephal	Anhy	Finexln
Carb	Salt	Coral	Arg	Grainst
Chtdk	Sandy	Crin	Bent	Lithogr
Chttt	Silt	Echin	Coal	Microxln
Dol	Sil	Fish	Dol	Mudst
Feldspar	Sulphur	Foram	Gyp	Packst
Ferrpel	Tuff	Fossil	Ls	Wackest
Ferr		Gastro	Mrst	
Glau		Oolite		

**OTHER SYMBOLS**

<b>POROSITY</b>	Vuggy	<b>ROUNDING</b>	Spotted	<b>EVENT</b>
Earthy		Rounded	Ques	Rft
Facet	<b>SORTING</b>	Subrd	Dead	Sidewall

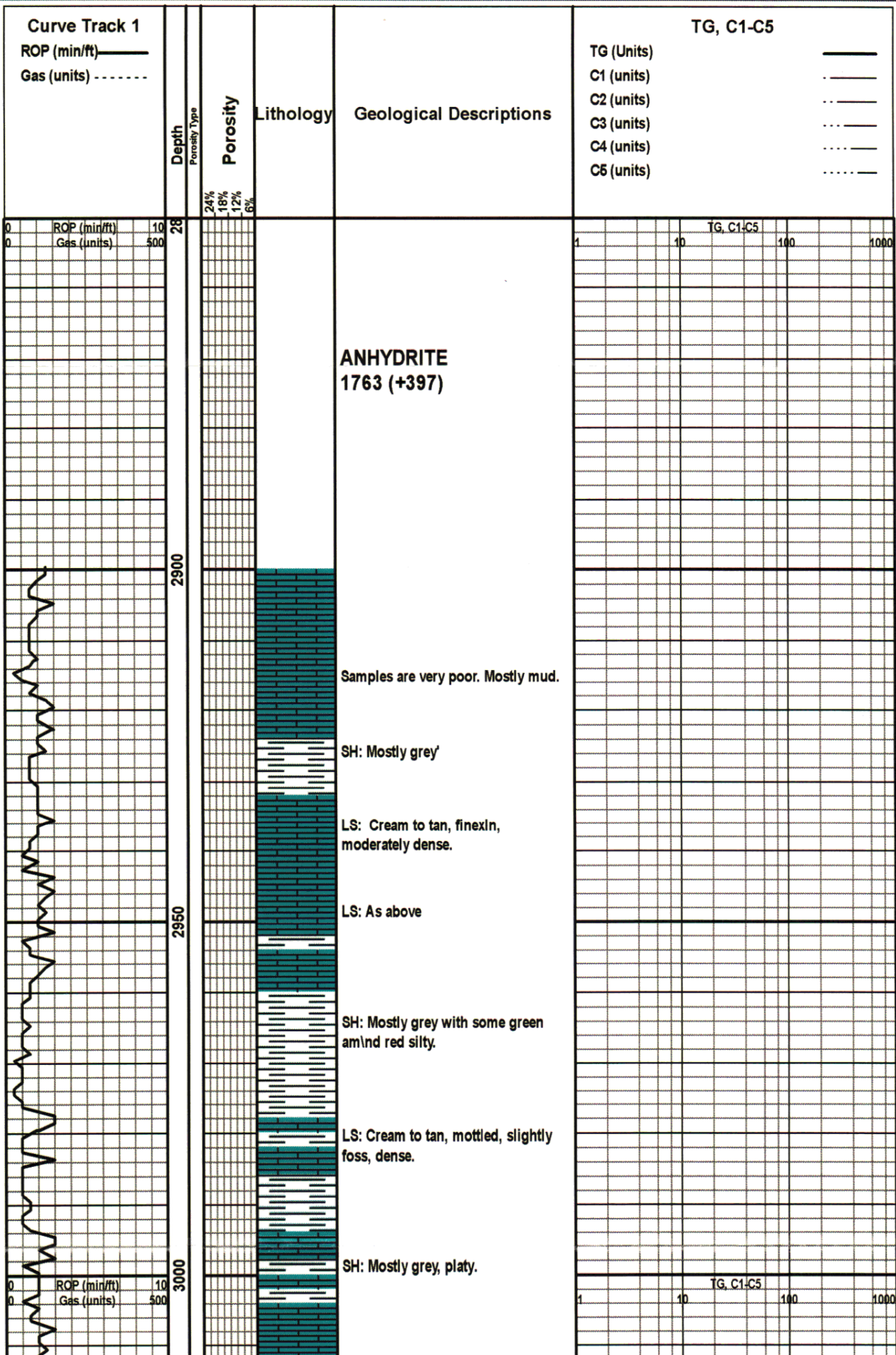
- F Finest
- X Fracture
- Inter
- Moldic
- Organic
- Pinpoint

- SURFING
- Well
- Moderate
- Poor

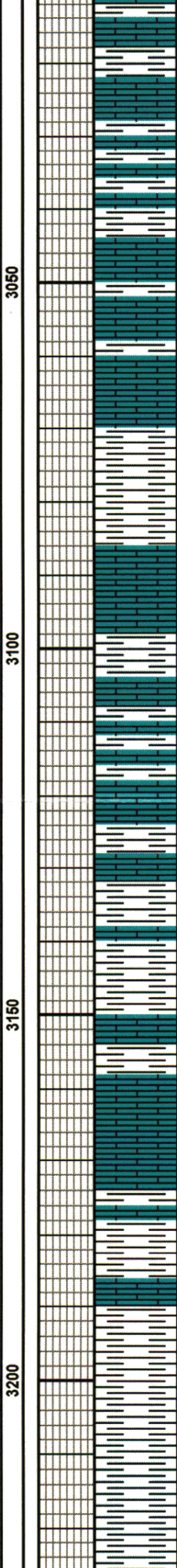
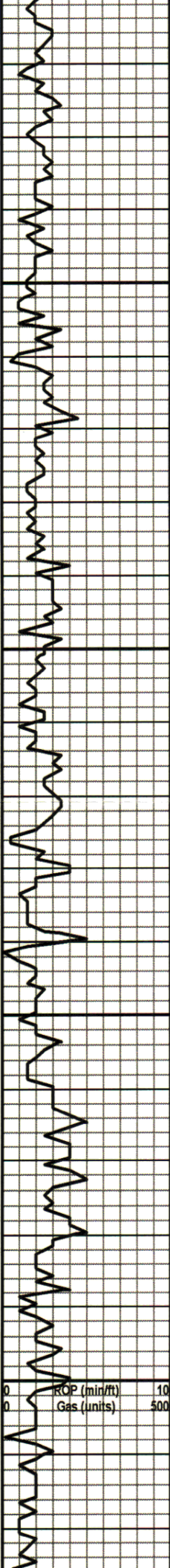
- Subrid
- Subang
- Angular

- OIL SHOW
- Even

- Dead
  - Sidewall
- INTERVAL**
- Core
  - Dst







Various interbedded limestones and shales.

LS: Cream to tan, finexln, dense.

SH: Mostly grey with some green and red.

LS: Various limes, Mostly crean, finexln, dense with some cream to grey, mottled, very foss, moderately dense.

Various interbedded limestones and shales.

SH: Grey, platy with sme very light, silty.

LS: Cream to tan, very finexln, foss, with some brown, finexln, very foss. moderately dense.

SH: Light grey with rare black, silty.

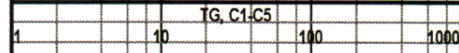
SH: Light grey, silty in part, to grey, platy.

SH: Black, carb

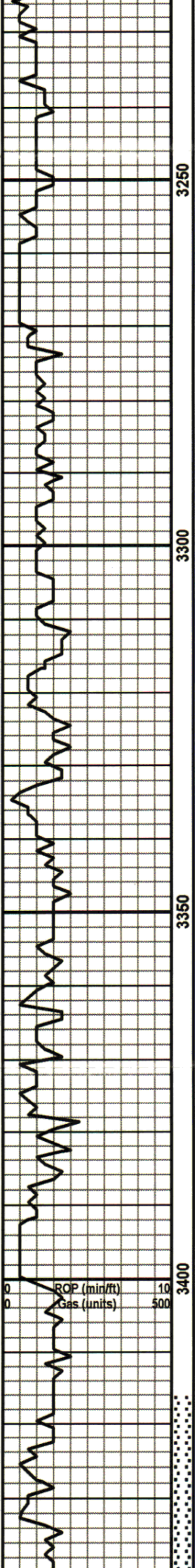
SILTSTONE: Very lighy grey with some rare red sandstone

**TOPEKA 3151 (-991)**

**VIS: 53  
WT: 9.1  
LCM: 2#**







3250

3300

3350

3400

LS: Mostly grey, finexln, some foss, with abundant tan to brown, mottled, finexln, very foss.

SH: Black, Carb.

SH: Mostly red and grey, with abundant very soft light grey clay.

LS: Mostly cream to light tan, finexln, dense, with some sandy, friable. Rare white, opaque fresh chert.

SH: Mostly grey.

LS: Cream to tan, very finexln, slightly dolomitic in part.

SH: Very dark grey to black, Carb.

LS: Cream, very finexln, friable with a very slight show of free oil in very poor interxln and vug. porosity. No cut or odor

SH: Mostly grey.

LS: Cream to tan, very finexln, slightly foss. very dense

SH: Grey, platy with black carb.

LS: Tan, microxln, Very dense.

SH: Mostly grey, platy, With some red, Silty.

LS: Cream to light tan, very finexln, dense with very rare, poor show of oil, no odor. Rare pyrite.

SH: Mostly grey, platy with some red, blockie rarely slightly silty.

LS: Cream to tan, finexln, very dense with some tan to brown, finexln, dense, very foss. (fusilinids)

SH: Grey, platy with some red.

LS: Cream to tan, finexln, With rare show of free oil, good ring cut, no odor.

VIS: 55  
WT: 9.1  
LCM: 2#

HEEBNER 3361 (-1201)

TORONTO 3379 (-1218)

NOTE: There was a 4' long kelly at "kelly down" 3396' and the driller added 4 one min. feet. Top of LKC may be 4' higher than recorded here.

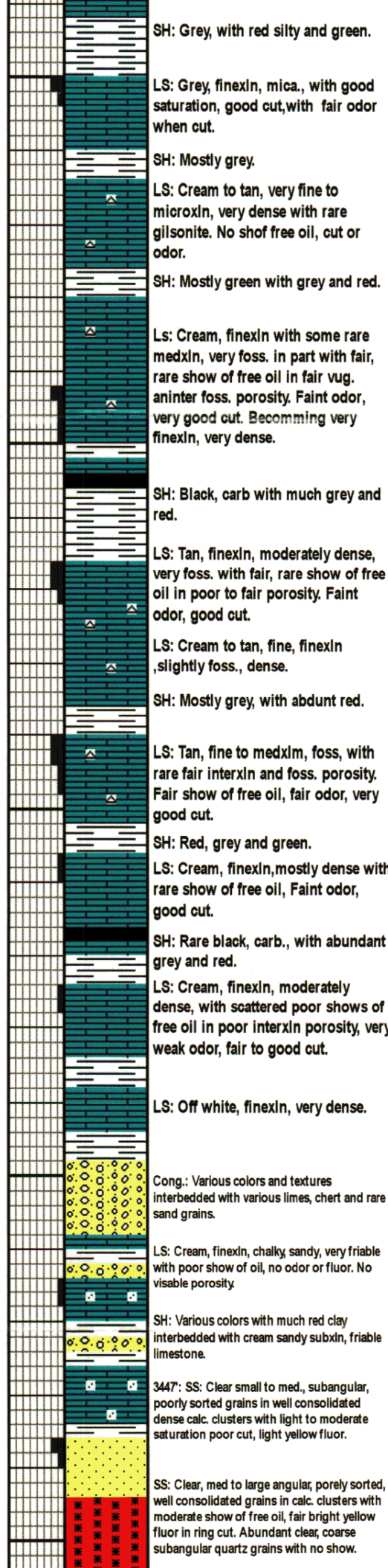
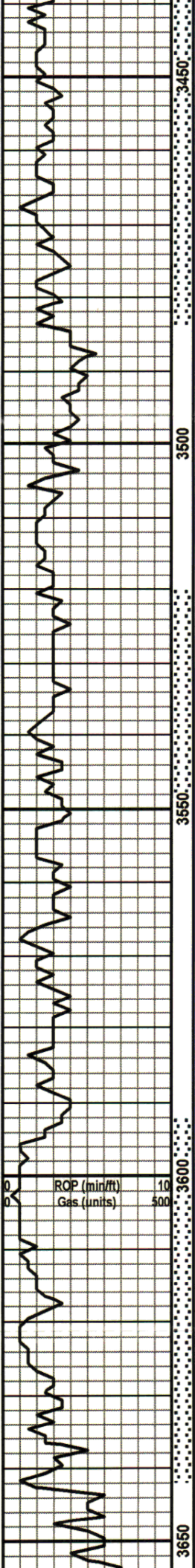
LKC 3400 (-1240)<sub>CS</sub>

VIS: 55  
WT: 9.1  
LCM: 2#

ROP (min/ft) 10  
Gas (units) 500

1 10 100 1000





SH: Grey, with red silty and green.  
 LS: Grey, finexln, mica., with good saturation, good cut, with fair odor when cut.  
 SH: Mostly grey.  
 LS: Cream to tan, very fine to microxln, very dense with rare gilsonite. No show free oil, cut or odor.  
 SH: Mostly green with grey and red.  
 LS: Cream, finexln with some rare medxln, very foss. in part with fair, rare show of free oil in fair vug. aninter foss. porosity. Faint odor, very good cut. Becoming very finexln, very dense.  
 SH: Black, carb with much grey and red.  
 LS: Tan, finexln, moderately dense, very foss. with fair, rare show of free oil in poor to fair porosity. Faint odor, good cut.  
 LS: Cream to tan, fine, finexln, slightly foss., dense.  
 SH: Mostly grey, with abundant red.  
 LS: Tan, fine to medxln, foss, with rare fair interxln and foss. porosity. Fair show of free oil, fair odor, very good cut.  
 SH: Red, grey and green.  
 LS: Cream, finexln, mostly dense with rare show of free oil, Faint odor, good cut.  
 SH: Rare black, carb., with abundant grey and red.  
 LS: Cream, finexln, moderately dense, with scattered poor shows of free oil in poor interxln porosity, very weak odor, fair to good cut.  
 LS: Off white, finexln, very dense.  
 Cong.: Various colors and textures interbedded with various limes, chert and rare sand grains.  
 LS: Cream, finexln, chalky, sandy, very friable with poor show of oil, no odor or fluor. No visible porosity.  
 SH: Various colors with much red clay interbedded with cream sandy subxln, friable limestone.  
 3447: SS: Clear small to med., subangular, poorly sorted grains in well consolidated dense calc. clusters with light to moderate saturation poor cut, light yellow fluor.  
 SS: Clear, med to large angular, poorly sorted, well consolidated grains in calc. clusters with moderate show of free oil, fair bright yellow fluor in ring cut. Abundant clear, coarse subangular quartz grains with no show.

DST #1 3417-3884 LKC: "b-c-d-e" zones.  
 30-60-45 90  
 Recovered: 190' Muddy Water.  
 IFP: 10-80  
 FFP: 71-125  
 BHP: 1019-1011  
 BHT: 106 deg.

**NOTE: STRAP was 6.53' short to Board at 3484'.  
 CFS at 3484'**

VIS: 54  
 WT: 8.9  
 LCM: 3#  
 YP: 25

**MUNCIE CREEK  
 3505 (-1345)**

DST #2 3520-3552 LKC: "H-I" zones.  
 30-60-45-90  
 Recovered: 30' oil specked mud. 1% oil  
 IFP: 32-34  
 FFP: 35-35 BHP: 1058-1033  
 BHT: 104 deg.

VIS: 52  
 WT: 9.0  
 LCM: 2#

**CFS at 3552'**

**BASE KC: 3593' (-1433)**

DST #3 3593-3643 REGAN SAND  
 30-60-45-90  
 Recovered: 10' oil specked mud.  
 IFP: 9-12  
 FFP: 17-20  
 BHP: 873-857  
 BHT: 105 deg.

**Marmaton 3627 (-1467)**

**Reagan Sd: 3636 (-1476)**

**CFS at 3643' Granite  
 CFS at 3648' 3644 (-1884)**

