



KANSAS CORPORATION COMMISSION 1057740
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5046
Name: Raymond Oil Company, Inc.
Address 1: PO BOX 48788
Address 2: _____
City: WICHITA State: KS Zip: 67202 + 1822
Contact Person: Clarke Sandberg
Phone: (316) 267-4214
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Kim Shoemaker
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
 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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
3/21/2011 3/28/2011 5/2/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-101-22286-00-00
Spot Description: _____
SE NW SW NE Sec. 21 Twp. 18 S. R. 27 East West
1747 Feet from North / South Line of Section
1999 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Lane
Lease Name: Michaud Trust Well #: 2
Field Name: _____
Producing Formation: Cher SD
Elevation: Ground: 2692 Kelly Bushing: 2701
Total Depth: 4725 Plug Back Total Depth: 4669
Amount of Surface Pipe Set and Cemented at: 254 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2048 Feet
If Alternate II completion, cement circulated from: 2048
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 10000 ppm Fluid volume: 2000 bbls
Dewatering method used: Evaporated
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

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garriss Date: 07/06/2011



1057740

Operator Name: Raymond Oil Company, Inc. Lease Name: Michaud Trust Well #: 2
 Sec. 21 Twp. 18 S. R. 27 East West County: Lane

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B/ANHY	2089	+612
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	LANS	3961	-1260
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHER SH	4512	-1811
List All E. Logs Run:		MISS	4687	-1986
Comp N/D, DI, Micro, Radiation Guard		TOTAL DEPTH	4725	

CASING RECORD <input checked="" 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
Surface	12	9	23	254	Common	180	3%cc 2% gel
Production	8	6	14	4689	60/40 Poz	675	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD	-			
___ Plug Off Zone	-			

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
2	@ 4579'	Natural	

TUBING RECORD: Size: <u>2"</u> Set At: <u>4527'</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR: <u>5/17/2011</u> Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours: Oil <u>187</u> Bbls. Gas <u> </u> Mcf Water <u>0</u> 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 checked="" 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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

11
JC
CS

TICKET NUMBER 30708
LOCATION Oakley Kansas
FOREMAN Pat Heister

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

FIELD TICKET & TREATMENT REPORT *11+M*
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-21-11	7158	Michael Trust 2	21	18	27W	Lane
CUSTOMER <i>Raymond Oil Company</i>		Dighton mile E 6 into	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			4567118	Chad S		
CITY			460	Josh G		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 256 CASING SIZE & WEIGHT 4 3/4 25#
 CASING DEPTH 254 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL 1.18 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
 DISPLACEMENT 8.5 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting mix 180 sks 3% cc 2% gel Release Plug Displace 8.5
bbl H2O @ 200 PSI Shut in @ 100 PSI
Circulated good cement

Thank you
Pat + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1025.00	1025.00
5406	20 mi	MILEAGE	5.00	100.00
5407	8.46 Ton	Mix Bulk Delivery	410.00	410.00
11045	180 sk	Class "A" Cement	16.80	3024.00
1102	508 Lbs	Calcium Chloride	1.84	426.72
1118B	338 Lbs	Bentonite gel	1.24	81.12
4432	1	3 3/4" wooden Plug	96.00	96.00
240132				
Subtotal				5162.74
Less			20%	-1032.56
				4130.18
			SALES TAX	228.55
			ESTIMATED	
			TOTAL	4358.83

Rev'n 3737

AUTHORIZATION Pat Heister

TITLE Toolpusher

DATE 3-21-11

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

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

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 30723
LOCATION Oakley Ks
FOREMAN Walt Druekel

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-29-11	7158	Michael Trust #2	21	135	274	Lawe

CUSTOMER: Raymond Oil Co Inc

MAILING ADDRESS:

CITY: STATE: ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
528-T127	Cecil Parker		
456-T118	Chad Smith		
460	Jack Kimmel		

JOB TYPE Prod-DV-C HOLE SIZE 7 7/8" HOLE DEPTH 4725' CASING SIZE & WEIGHT 5 1/2 - 14[#]
 CASING DEPTH 4679.96' DRILL PIPE _____ TUBING _____ OTHER DV-2048'
 SLURRY WEIGHT 14.2-128' SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING 28'
 DISPLACEMENT 114 3/4 BBL DISPLACEMENT PSI 800[#] MIX PSI _____ RATE 6-7 B/min

REMARKS: Safety meeting, Run Float Equip, Cont #1-3-7-11-13-61
Basket on 62, DV Tool on 62, Break Circ, mix 175 SKs 6 3/4 popz, 7 1/2[#] Salt, 2[#] 1/4[#]
Clear Pump Lines, Displace 64 BBL H₂O + 50 BBL mud in 50[#] Max, hauled
Plug @ 1200[#], released Pressure. Float Held. Drop opening tool, 10[#] open
Tool, have circ, mixed 30 SKs in 1/4[#], mixed 470 SKs 6 3/4 popz, 8[#] 1/4[#] Sec.
Clear Pump Lines, released Plug + Displaced 50 BBL @ 50[#] Max, hauled
Plug @ 1500[#], released Pressure, Tool held
Cement Did Circ.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2950 ⁰⁰	2950 ⁰⁰
5406	30	MILEAGE	5 ⁰⁰	150 ⁰⁰
1131	175 SKS	6 3/4 popz, Bottom stage	14 ³⁵	2,511 ²⁵
1131	500 - SKS	6 3/4 popz, Top stage	14 ³⁵	7,175 ⁰⁰
1111	845 #	Salt	.42	270 ⁹⁰
1118 B	3740 #	Bentrite	.24	897 ⁶⁰
1107	125 #	Flo-seal	2 ⁶⁰	332 ⁵⁰
4159	1	.5 1/2 APL Float shoe	413 ⁰⁰	413 ⁰⁰
4130	6	5/8 Centralizers	58 ⁰⁰	348 ⁰⁰
4104	1	Basket	276 ⁰⁰	276 ⁰⁰
4283	1	DV Tool	3850 ⁰⁰	3850 ⁰⁰
5407A	29.03	Ten Mileage Delivery	150	1,376 ¹⁰
		240263		20,550 ²⁵
		Less 20% Disc		- 4,110 ⁵⁰
				16,440 ²⁵
			SALES TAX	1012.69
			ESTIMATED TOTAL	17452.97

Revin 3737

AUTHORIZATION Walt Druekel TITLE Foreman DATE _____

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CONSOLIDATED
Oil Well Services, LLC

MS (Add)
9/10
Pm

TICKET NUMBER 30740
LOCATION OHLEY
FOREMAN FuzzY

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-12-11	7158	micbaud #2	21	18S	27W	Lane
CUSTOMER Raymond Oil Co.			105			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	Milosshaw		
STATE			558	Tim W		
ZIP CODE				Damon M		

JOB TYPE 1-inch HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
CASING DEPTH _____ DRILL PIPE _____ TUBING 1" OTHER _____
SLURRY WEIGHT 12.5 SLURRY VOL 1.98 WATER gal/sk 10.8 CEMENT LEFT in CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting @ Professional Pulling Service
Mix 7.5 sbs 6040 890cc 14# Flo-seal. Pull 1-inch
out of hole + wash clean.

filled between 5'12 + 7'18 + 9'12 + 8'18 csg. from 465'
to surface. cement did circulate

Thanks FuzzY + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 s	1	PUMP CHARGE	1025 ⁰⁰	1025 ⁰⁰
5406	30	MILEAGE	5 ⁰⁰	150 ⁰⁰
1131	75	6040 pos	14 ³⁵	1076 ²⁵
1118A	516 #	Ben-donite	124	123 ⁸⁴
1107	19 #	510-seal	2 ⁵⁰	50 ⁵⁰
5407	3.22 Tons	Ton Mileage Delivery (Minimum)	138	410 ⁰⁰
		subtotal		2835 ⁶³
		less 20% discount		567 ¹²
		subtotal		2268 ⁵⁰
		240573		
		SALES TAX		63.02
		ESTIMATED TOTAL		2331.52

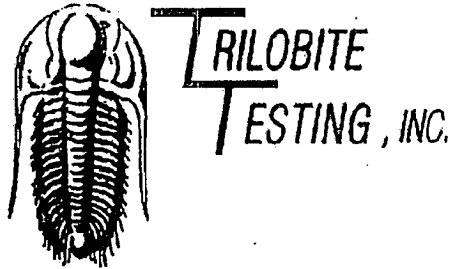
Rev'n 3737

AUTHORIZATION _____

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.



DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co., Inc.**

PO Box 48788
Wichita KS 67201-8788

ATTN: Kim Shoemaker

S21-18s-27w Lane,KS

#2 Michaud Trust

Start Date: 2011.03.25 @ 16:40:00

End Date: 2011.03.26 @ 00:46:00

Job Ticket #: 041174 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Raymond Oil Co., Inc.

#2 Michaud Trust

S21-18s-27w Lane,KS

DST # 1

LKC 220

2011.03.25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Co., Inc.
 PO Box 48788
 Wichita KS 67201-8788
 ATTN: Kim Shoemaker

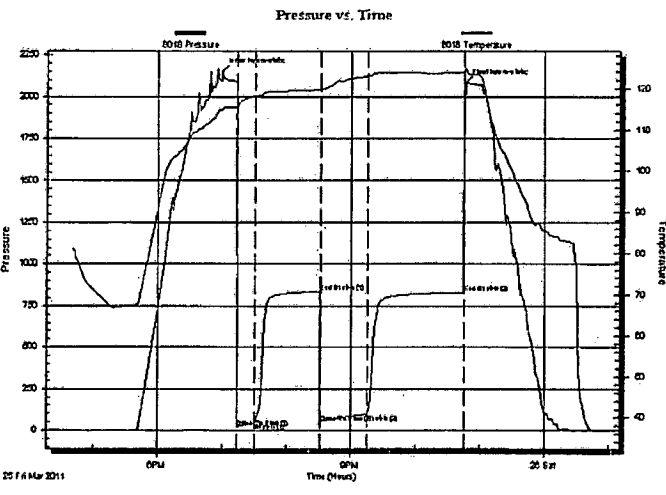
#2 Michaud Trust
 S21-18s-27w Lane, KS
 Job Ticket: 041174 DST#: 1
 Test Start: 2011.03.25 @ 16:40:00

GENERAL INFORMATION:

Formation: LKC 220
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 19:13:24 Tester: Chuck Smith
 Time Test Ended: 00:46:00 Unit No: 37
 Interval: 4265.00 ft (KB) To 4300.00 ft (KB) (TVD) Reference Elevations: 2701.00 ft (KB)
 Total Depth: 4300.00 ft (KB) (TVD) 2692.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 97.95 psig @ 4267.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.03.25 End Date: 2011.03.26 Last Calib.: 2011.03.26
 Start Time: 16:40:05 End Time: 00:45:59 Time On Btm: 2011.03.25 @ 18:59:12
 Time Off Btm: 2011.03.25 @ 22:46:24

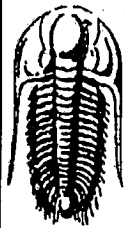
TEST COMMENT: IF: B.O.B. @ 8 min. (Tool took 12 minutes to open)
 ISI: 1/2" Surface return.
 FF: B.O.B. @ 3 min.
 FSI: 1/2" Surface return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.21	114.70	Initial Hydro-static
15	19.99	114.71	Open To Flow (1)
31	45.54	118.06	Shut-In(1)
92	833.78	119.67	End Shut-In(1)
93	47.90	119.27	Open To Flow (2)
137	97.95	123.04	Shut-In(2)
226	828.51	123.70	End Shut-In(2)
228	2082.11	124.59	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
94.00	GOCM 15g 20o 65m	1.32
126.00	GOCM 10g 15o 75m w ith emulsion	1.77
0.00	30 Feet GIP	0.00

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co., Inc.
PO Box 48788
Wichita KS 67201-8788
ATTN: Kim Shoemaker

#2 Michaud Trust
S21-18s-27w Lane, KS
Job Ticket: 041174 DST#: 1
Test Start: 2011.03.25 @ 16:40:00

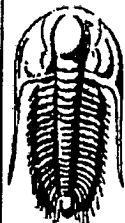
Tool Information

Drill Pipe:	Length: 4259.00 ft	Diameter: 3.80 inches	Volume: 59.74 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.50 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4265.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	57.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4243.50	
Shut In Tool	5.00			4248.50	
Hydraulic tool	5.00			4253.50	
Safety Joint	2.50			4256.00	
Packer	5.00			4261.00	22.50 Bottom Of Top Packer
Packer	4.00			4265.00	
Stubb	1.00			4266.00	
Perforations	1.00			4267.00	
Recorder	0.00	8018	Inside	4267.00	
Recorder	0.00	6751	Outside	4267.00	
Perforations	30.00			4297.00	
Bullnose	3.00			4300.00	35.00 Bottom Packers & Anchor

Total Tool Length: 57.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co., Inc.

#2 Michaud Trust

PO Box 48788
Wichita KS 67201-8788

S21-18s-27w Lane,KS

Job Ticket: 041174 DST#: 1

ATTN: Kim Shoemaker

Test Start: 2011.03.25 @ 16:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
94.00	GOCM 15g 20o 65m	1.319
126.00	GOCM 10g 15o 75m with emulsion	1.767
0.00	30 Feet GIP	0.000

Total Length: 220.00 ft Total Volume: 3.086 bbl

Num Fluid Samples: 0

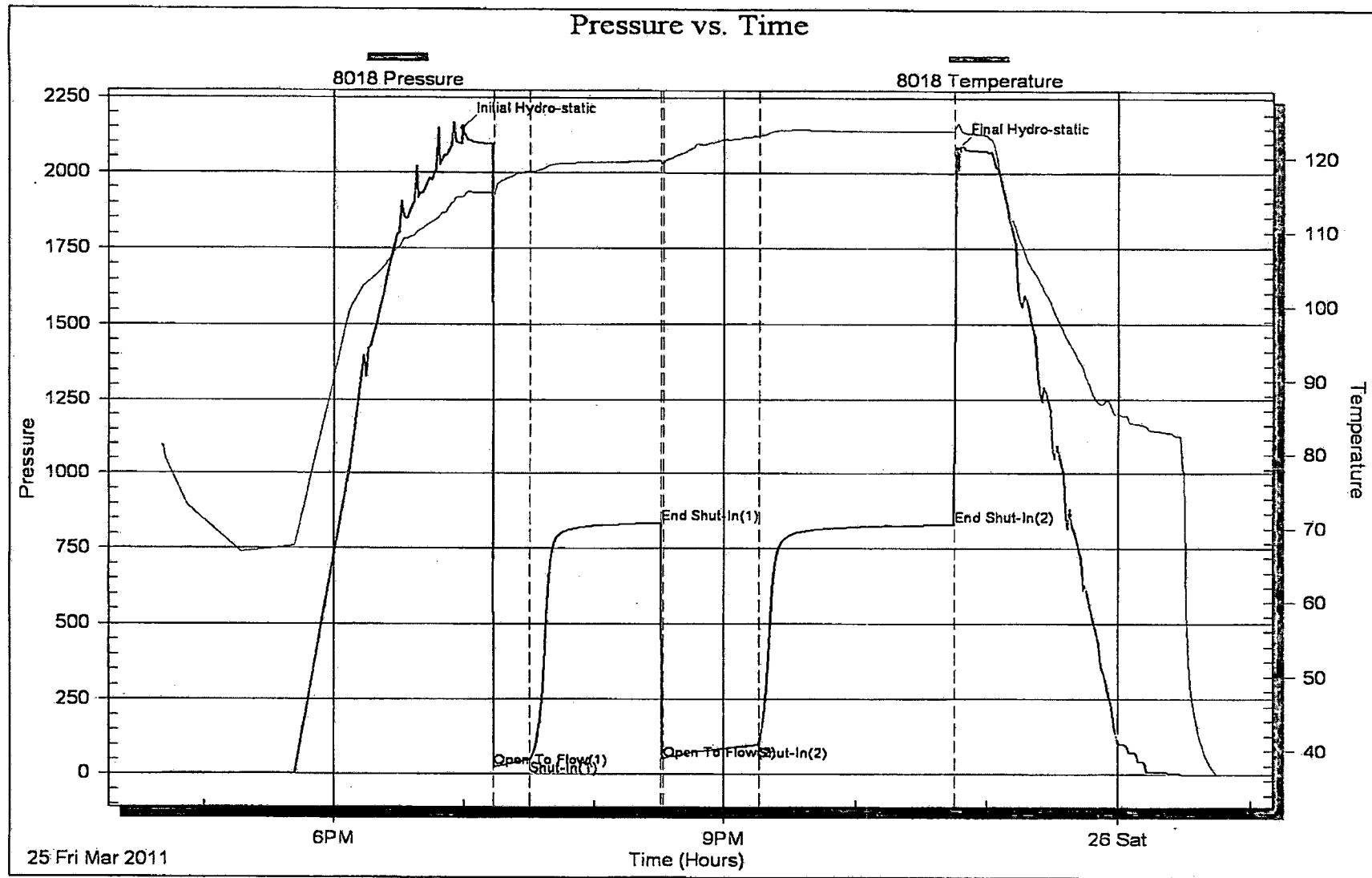
Num Gas Bombs: 0

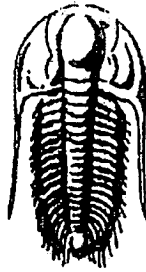
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co., Inc.**

PO Box 48788
Wichita KS 67201-8788

ATTN: Kim Shoemaker

S21-18s-27w Lane,KS

#2 Michaud Trust

Start Date: 2011.03.26 @ 21:42:00

End Date: 2011.03.27 @ 05:32:47

Job Ticket #: 041175 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Raymond Oil Co., Inc.

#2 Michaud Trust

S21-18s-27w Lane,KS

DST # 2

Marmaton / Ft. Scott

2011.03.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raymond Oil Co., Inc.
PO Box 48788
Wichita KS 67201-8788
ATTN: Kim Shoemaker

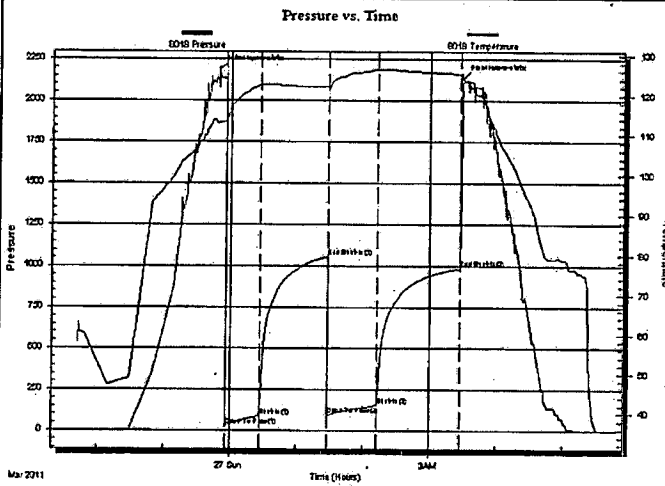
#2 Michaud Trust
S21-18s-27w Lane, KS
Job Ticket: 041175 DST#: 2
Test Start: 2011.03.26 @ 21:42:00

GENERAL INFORMATION:

Formation: Marmaton / Ft. Scott
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:55:48
Time Test Ended: 05:32:47
Interval: 4303.00 ft (KB) To 4515.00 ft (KB) (TVD)
Total Depth: 4515.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37
Reference Elevations: 2701.00 ft (KB)
2692.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8018 Inside
Press@RunDepth: 153.97 psig @ 4305.00 ft (KB)
Start Date: 2011.03.26 End Date: 2011.03.27
Start Time: 21:42:05 End Time: 05:32:48
Capacity: 8000.00 psig
Last Calib.: 2011.03.27
Time On Btm: 2011.03.26 @ 23:49:24
Time Off Btm: 2011.03.27 @ 03:29:36

TEST COMMENT: IF: B.O.B. @ 12 min.
ISI: 1/2" Surface return.
FF: B.O.B. @ 18 min.
FSI: 2" Return, died @ 40 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2189.20	113.17	Initial Hydro-static
7	30.51	113.07	Open To Flow (1)
37	87.02	122.72	Shut-In(1)
99	1055.19	122.16	End Shut-In(1)
99	95.44	121.70	Open To Flow (2)
144	153.97	126.46	Shut-In(2)
219	987.57	125.37	End Shut-In(2)
221	2135.98	123.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: 175 @ 70 Degrees F = 40000	PP0.00
115.00	GOCM 5g 10o 85m	1.61
61.00	GOCMW 10g 5o 15m 70w	0.86
124.00	OSMW 30m 70w	1.74

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co., Inc.
PO Box 48788
Wichita KS 67201-8788
ATTN: Kim Shoemaker

#2 Michaud Trust
S21-18s-27w Lane, KS
Job Ticket: 041175 DST#: 2
Test Start: 2011.03.26 @ 21:42:00

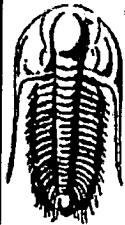
Tool Information

Drill Pipe:	Length: 4292.00 ft	Diameter: 3.80 inches	Volume: 60.21 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 60.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.50 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4303.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	212.00 ft			
Tool Length:	239.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4276.50	
Shut In Tool	5.00			4281.50	
Hydraulic tool	5.00			4286.50	
Jars	5.00			4291.50	
Safety Joint	2.50			4294.00	
Packer	5.00			4299.00	27.50 Bottom Of Top Packer
Packer	4.00			4303.00	
Stubb	1.00			4304.00	
Perforations	1.00			4305.00	
Recorder	0.00	8018	Inside	4305.00	
Recorder	0.00	6751	Outside	4305.00	
Perforations	20.00			4325.00	
Change Over Sub	1.00			4326.00	
Drill Pipe	185.00			4511.00	
Change Over Sub	1.00			4512.00	
Bullnose	3.00			4515.00	212.00 Bottom Packers & Anchor
Total Tool Length:	239.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co., Inc.

#2 Michaud Trust

PO Box 48788
Wichita KS 67201-8788

S21-18s-27w Lane, KS

Job Ticket: 041175 DST#: 2

ATTN: Kim Shoemaker

Test Start: 2011.03.26 @ 21:42:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	36 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	40000 ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.98 in ³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

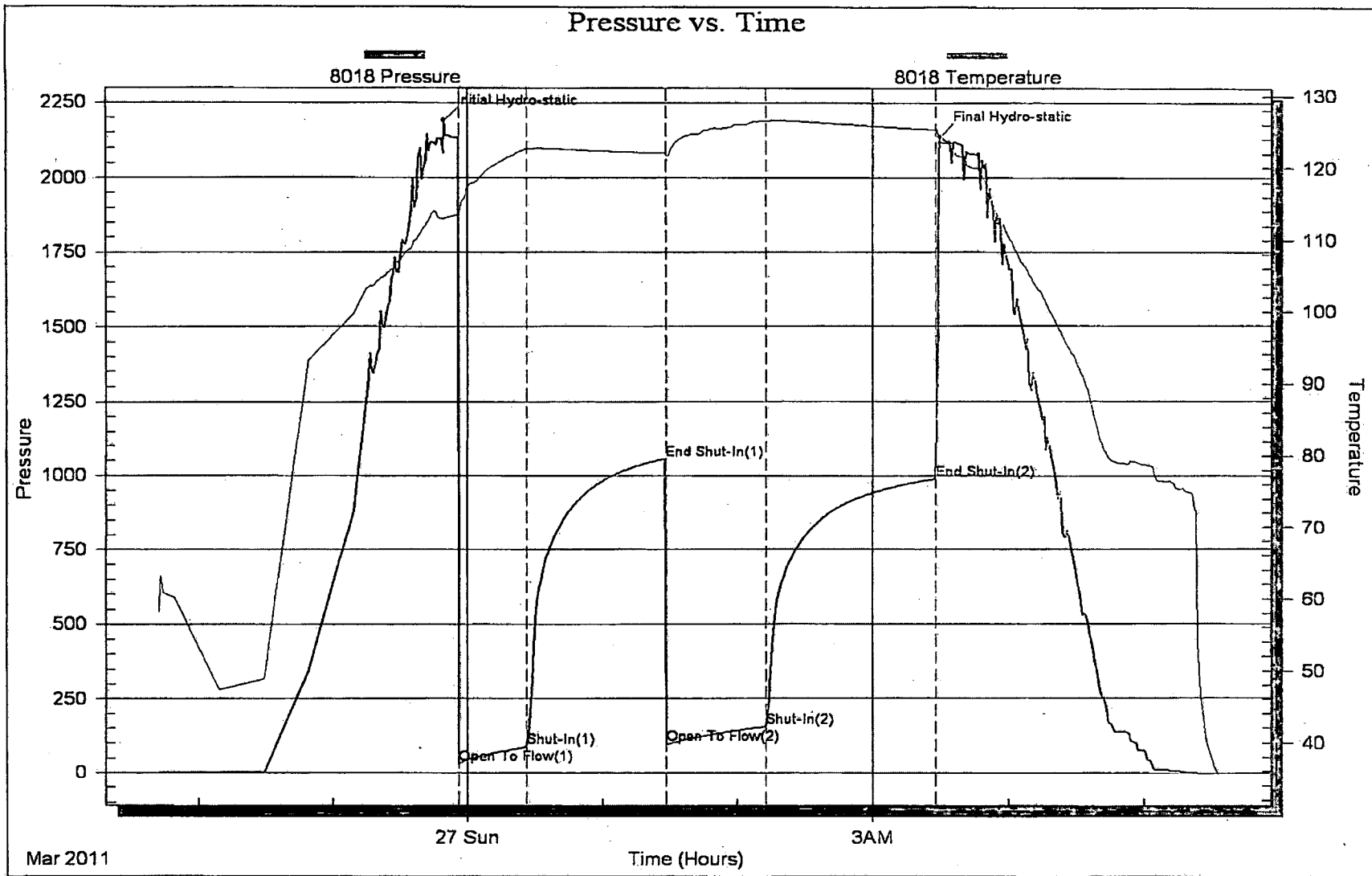
Length ft	Description	Volume bbbl
0.00	RW: 175 @ 70 Degrees F = 40000 PPM	0.000
115.00	GOCM 5g 10o 85m	1.613
61.00	GOCMW 10g 5o 15m 70w	0.856
124.00	OSMW 30m 70w	1.739

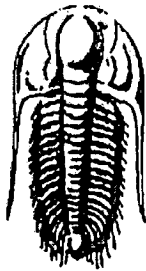
Total Length: 300.00 ft Total Volume: 4.208 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API: 34 @ 40 Degrees F = 36





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co., Inc.**

PO Box 48788
Wichita KS 67201-8788

ATTN: Kim Shoemaker

S21-18s-27w Lane,KS

#2 Michaud Trust

Start Date: 2011.03.27 @ 17:02:00

End Date: 2011.03.28 @ 02:30:12

Job Ticket #: 042126 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Raymond Oil Co., Inc.

#2 Michaud Trust

S21-18s-27w Lane,KS

DST # 3

Sand

2011.03.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Co., Inc.
 PO Box 48788
 Wichita KS 67201-8788
 ATTN: Kim Shoemaker

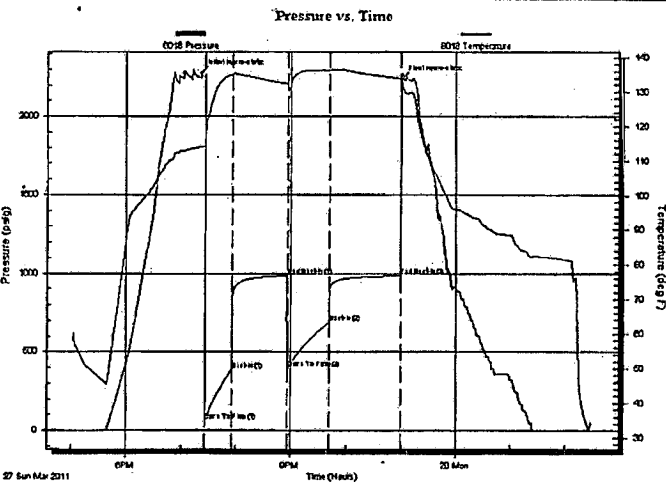
#2 Michaud Trust
 S21-18s-27w Lane, KS
 Job Ticket: 042126 DST#: 3
 Test Start: 2011.03.27 @ 17:02:00

GENERAL INFORMATION:

Formation: Sand
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:26:48
 Time Test Ended: 02:30:12
 Interval: 4532.00 ft (KB) To 4582.00 ft (KB) (TVD)
 Total Depth: 4582.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37
 Reference Elevations: 2701.00 ft (KB)
 2692.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 687.35 psig @ 4536.00 ft (KB)
 Start Date: 2011.03.27 End Date: 2011.03.28
 Start Time: 17:02:05 End Time: 02:30:11
 Capacity: 8000.00 psig
 Last Calib.: 2011.03.28
 Time On Btm: 2011.03.27 @ 19:21:24
 Time Off Btm: 2011.03.27 @ 23:00:00

TEST COMMENT: IF: B.O.B. @ 4 min.
 IS: 5" Return.
 FF: B.O.B. @ 4 min.
 FSI: No return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2274.26	113.99	Initial Hydro-static
6	62.91	116.29	Open To Flow (1)
35	383.69	134.99	Shut-In(1)
95	984.82	132.47	End Shut-In(1)
96	395.72	132.05	Open To Flow (2)
140	687.35	136.31	Shut-In(2)
218	984.12	133.95	End Shut-In(2)
219	2239.88	134.33	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
938.00	GO 30g 70o	13.16
125.00	GOCM 10g 5o 85m Emulsion	1.75
787.00	GO 40g 60o	11.04
0.00	93 Feet GIP	0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co., Inc.
PO Box 48788
Wichita KS 67201-8788
ATTN: Kim Shoemaker

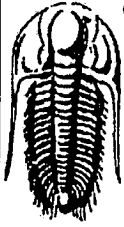
#2 Michaud Trust
S21-18s-27w Lane, KS
Job Ticket: 042126 DST#: 3
Test Start: 2011.03.27 @ 17:02:00

Tool Information

Drill Pipe:	Length: 4536.00 ft	Diameter: 3.80 inches	Volume: 63.63 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 63.63 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.50 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4532.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	77.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4505.50	
Shut In Tool	5.00			4510.50	
Hydraulic tool	5.00			4515.50	
Jars	5.00			4520.50	
Safety Joint	2.50			4523.00	
Packer	5.00			4528.00	27.50 Bottom Of Top Packer
Packer	4.00			4532.00	
Stubb	1.00			4533.00	
Perforations	3.00			4536.00	
Recorder	0.00	8018	Inside	4536.00	
Recorder	0.00	6751	Outside	4536.00	
Perforations	10.00			4546.00	
Change Over Sub	1.00			4547.00	
Drill Pipe	31.00			4578.00	
Change Over Sub	1.00			4579.00	
Bullhose	3.00			4582.00	50.00 Bottom Packers & Anchor
Total Tool Length:	77.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co., Inc.

#2 Michaud Trust

PO Box 48788
Wichita KS 67201-8788

S21-18s-27w Lane, KS

Job Ticket: 042126 DST#: 3

ATTN: Kim Shoemaker

Test Start: 2011.03.27 @ 17:02:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
938.00	GO 30g 70o	13.158
125.00	GOCM 10g 5o 85m Emulsion	1.753
787.00	GO 40g 60o	11.040
0.00	93 Feet GIP	0.000

Total Length: 1850.00 ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API: 34 @ 30 Degrees F = 37.

