Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1090440

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 # 5046
Name: Raymond Oil Company, Inc.
Address 1: PO BOX 48788
Address 2:
City: WICHITA State: KS Zip: 67202 + 1822
Contact Person: Clarke Sandbert
Phone: (316) 267-4214
CONTRACTOR: License # 6039
Name: L. D. Drilling, Inc.
Wellsite Geologist: Larry Friend
Purchaser: NCRA

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 #:

5/15/2012	5/23/2012	7/7/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-101-22370-00-00
Spot Description:
SW NE SW NE Sec. 21 Twp. 18 S. R. 27 ☐ East ☑ West
1747 Feet from ☑ North / ☐ South Line of Section
1949 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Lane
Lease Name: Michaud Trust Well #: 5
Field Name:
Producing Formation: KC L-Zone
Elevation: Ground: 2692 Kelly Bushing: 2701
Total Vertical Depth: 4444 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 261 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2059 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: 2300 ppm Fluid volume: 3000 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

☑ **Confidentiality Requested**
Date: 08/14/2012
☑ **Confidential Release Date:** 08/14/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 08/20/2012

[redacted] 1090440

Operator Name: Raymond Oil Company, Inc. Lease Name: Michaud Trust Well #: 5

Sec. 21 Twp. 18 S. R. 27 ☐ East ☑ West County: Lane

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Comp N/D
Dual Ind
Micro

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
B/Anhy	2083	+614
Lans	2959	-1262
Hush Sh	4262	-1565
Total Depth	4442	

CASING RECORD ☑ New ☐ 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	12.25	8.625	23	261	common	175	3%cc,2%gel
Prod top stage	7.875	4.5	10.2	4431	60/40 pozmix	180	7.5% salt
Prod bottom stage	4.5	4.5	10.2	4431	60/40 pozmix	455	7.5% salt,1/4#floseal

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	-			
	-			

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 *(Amount and Kind of Material Used)*	Depth
2	4281-94	1000 gals 15% NE	

TUBING RECORD: Size: 2 1/2" Set At: 4286 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 7/31/2012

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	45				3			

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 34486
LOCATION Oakley
FOREMAN Fuzzy

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
5-15-12	7158	Michaud #5	21	18S	27W	Logan

CUSTOMER: Raymond Oil
MAILING ADDRESS:
CITY | STATE | ZIP CODE:

Blanda Rd 1/2 W 5 N

TRUCK #	DRIVER	TRUCK #	DRIVER
463	Cory D		
434	Josh G		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 264' CASING SIZE & WEIGHT 8 5/8
CASING DEPTH 261' DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
DISPLACEMENT 15.3 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting on LD #1. Rigged and circulate. Mix 175sks Class A 3%cc 2% gel. Displace 15 1/4 BBL and shut in. Cement did circulate approx 6 BBL to pit.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1085.00	1085.00
5406	25 miles	MILEAGE	5.00	125.00
5407	8.23 ton	Ton Mileage Delivery (min)	410.00	410.00
1104S	175sks	Class A Cement	17.65	3088.75
1102	494#	Calcium Chloride	.89	439.66
1118B	329#	Bentonite	.25	82.25
		subtotal		5230.66
		less 10%	disc	523.07
		subtotal		4707.59
			SALES TAX	204.72
Ravin 3737			ESTIMATED TOTAL	4912.31

AUTHORIZTION [signature] 249887 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

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

TICKET NUMBER 34496
LOCATION Oxley
FOREMAN Fuzzy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-23-12	7158	Michaud Trust #5	21	18S	27W	Lane

CUSTOMER: Raymond O.I
MAILING ADDRESS:
CITY: STATE: ZIP CODE:

Alamota unit 1½ E 5 S

TRUCK #	DRIVER	TRUCK #	DRIVER
456	Miles S		
566	Thomas B		
528-127	Cody R		

JOB TYPE 2 stage HOLE SIZE 7⅞ HOLE DEPTH 4444' CASING SIZE & WEIGHT 4½ 10.5
CASING DEPTH 4431.80 DRILL PIPE TUBING OTHER DV-2059.10
SLURRY WEIGHT 14.2 - 12.5 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 42'
DISPLACEMENT 69.7 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting on LD #1 Float equip Cent 1,3,5,7,9,11,60 Basket 58 - DV-59. Rig up and circulate, Pump 5 BBL water mix 180sks 60/40 2% gel ½% salt. Wash pump and lines Drop plug and displace 37 BBL water 33¼ BBL mud. Lift Press 500# land @ 1200# Float held, Drop DV Bomb wait 10 min open DV Tool @ 1000#. Establish circulation Pump 5 BBL water mix 30 sks 4# RH, Mix 430sks 60/40 pos 8% gel ¼# Flosel down 4½ csg. Wash pump & lines. Drop plug and displace 38 BBL water 600# Lift Close Tool @ 1500# Cement did circulate Approx 30 BBL to Pit

Thanks Fuzzy crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 E	1	PUMP CHARGE	3020.00	3020.00
5406	25	MILEAGE	5.00	125.00
5407A	26.23 ton	Ton Mileage Delivery	1.67	1095.00
1131	180sks	60/40 pos	15.10	2718.00
1131	430sks	60/40 pos	15.10	6493.00
1118B	3268#	Bentonite	.25	817.00
1111	648#	Salt	.45	291.60
1107	108#	Flosel	2.82	304.56
4161	1	4½ - AFU Float Shoe	342.00	342.00
4103	1	4½ - Basket	261.00	261.00
4283	1	4½ - DV Tool w/ Latchdown	3850.00	3850.00
4129	7	4½ - Centralizers	46.00	322.00
		Subtotal		19639.16
		Less 10%		1963.92
		17675.24		17675.24
			SALES TAX	873.13
			ESTIMATED TOTAL	18548.37

Ravin 3737

250121

AUTHORIZTION Allen Litt 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.

OPERATOR

Company:	RAYMOND OIL CO., INC.		
Address:	PO BOX 48788 WICHITA, KS 67201-8788		
Contact Geologist:			
Contact Phone Nbr:	316-267-4214		
Well Name:	#5 MICHAUD TRUST		
Location:	1747' FNL 1949' FEL, SEC 21-T18S-R27W	API:	15-101-22370-0000
Pool:	INFIELD	Field:	ALAMOTA WEST
State:	KANSAS	Country:	

Scale 1:240 Imperial

Well Name:	#5 MICHAUD TRUST		
Surface Location:	1747' FNL 1949' FEL, SEC 21-T18S-R27W		
Bottom Location:			
API:	15-101-22370-0000		
License Number:			
Spud Date:	5/14/2012	Time:	12:00 PM
Region:	LANE COUNTY		
Drilling Completed:	5/22/2012	Time:	12:00 AM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	2692.00ft		
K.B. Elevation:	2697.00ft		
Logged Interval:	3400.00ft	To:	4444.00ft
Total Depth:	4444.00ft		
Formation:	MARMATON		
Drilling Fluid Type:	CHEMICAL		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:	-100.308440	Latitude:	38.475497
N/S Co-ord:			
E/W Co-ord:			

LOGGED BY

Company:	LARRY P. FRIEND
Address:	1639 BURNS ST. WICHITA, KS 67203-2757
Phone Nbr:	316-265-2228
Logged By:	Geologist
Name:	

CONTRACTOR

Contractor:	L.D. DRILLING, INC.		
Rig #:	1		
Rig Type:	DOUBLE		
Spud Date:	5/14/2012	Time:	12:00 PM
TD Date:	5/22/2012	Time:	12:00 AM
Rig Release:		Time:	

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8.625 in	261 ft	23#	6	
Int Casing					
Prod Casing	4.5 in				

CASING SEQUENCE

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

OPEN HOLE LOGS

Logging Company:	SUPERIOR		
Logging Engineer:	JEFF GRONEWEG		
Truck #:			
Logging Date:	5/23/2012	Time Spent:	3.5
# Logs Run:	3	# Logs Run Successful:	3

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
CND	3400.00ft	4442.00ft	0.00		0
DI	0.00ft	4442.00ft	0.00		0
MICRO	3400.00ft	4442.00ft	0.00		0

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
5/22/2012	0.00ft	4442.00ft	

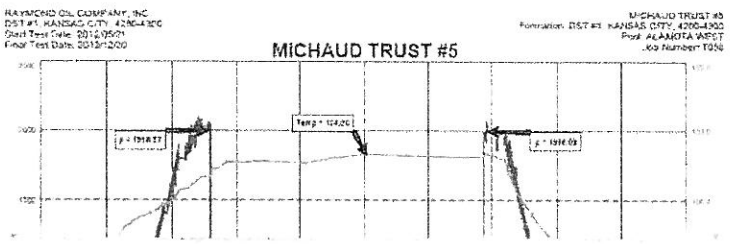
FORMATION DEPTHS

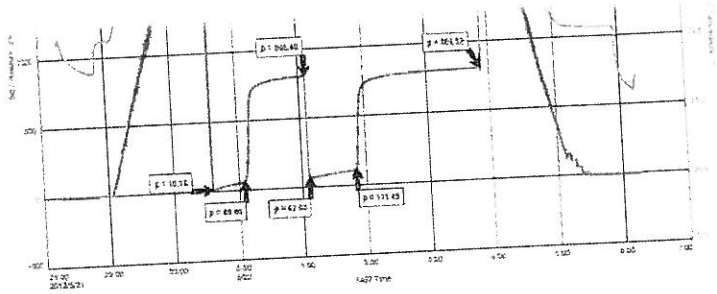
FORMATION	SAMPLE	LOG
STONE CORRAL	2056 (+641)	2054 (+643)
BS STONE CORRAL	2086 (+611)	2083 (+614)
WABAUNSEE	3502 (-805)	3500 (-803)
HEEBNER SHALE	3925 (-1228)	3922 (-1225)
LANSING	3961 (-1264)	3959 (-1262)
MUNCIE CREEK SH.	4132 (-1435)	4128 (-1431)
STARK SHALE	4231 (-1534)	4229 (-1532)
HUSHPUCKNEY SH.	4265 (-1568)	4262 (-1565)
BKC	4309 (-1612)	4306 (-1609)
MARMATON	4337 (-1640)	4334 (-1637)

DRILLSTEM TESTS

No	Interval	Formation
1	4260-4300	220 or "L" ZONE

DST #1 CHART





ROCK TYPES

Cht
Coal
Lmst fw<7
Lmst fw7>
Ss
Shgy
Sltst

ACCESSORIES

MINERAL

- Carbonaceous Flakes
- Chert, dark
- Siliceous
- Chert White

FOSSIL

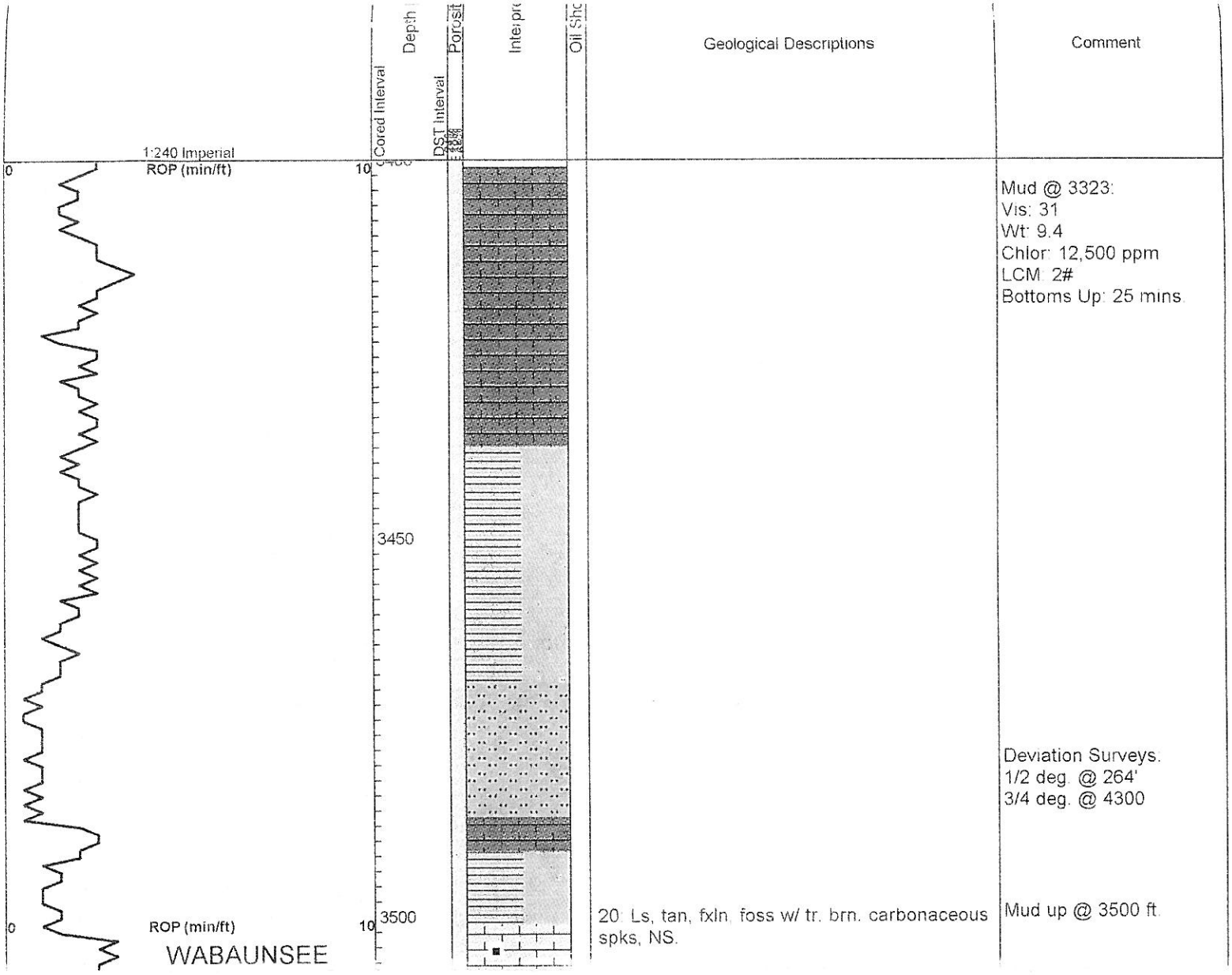
- Oolite
- Oolites

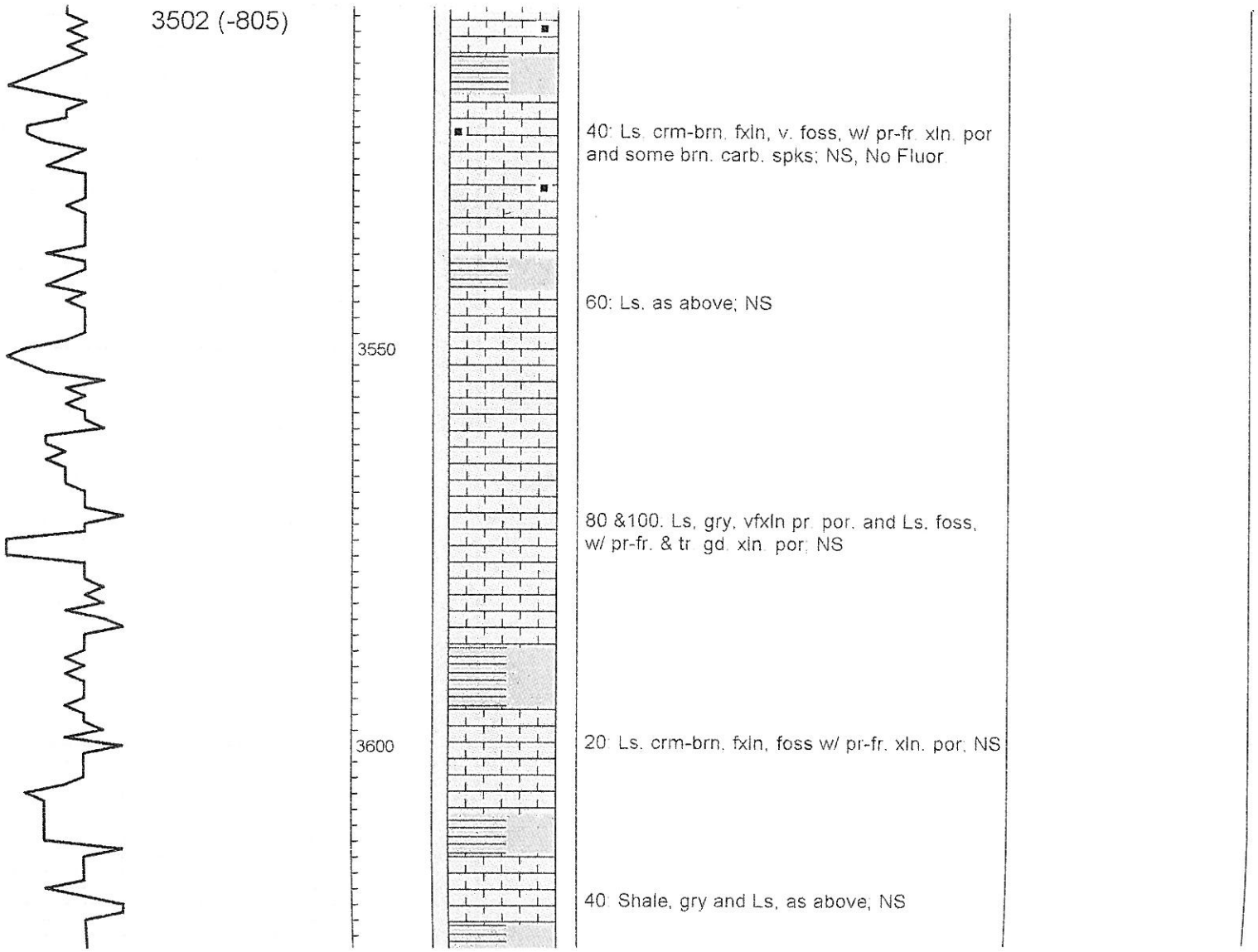
OTHER SYMBOLS

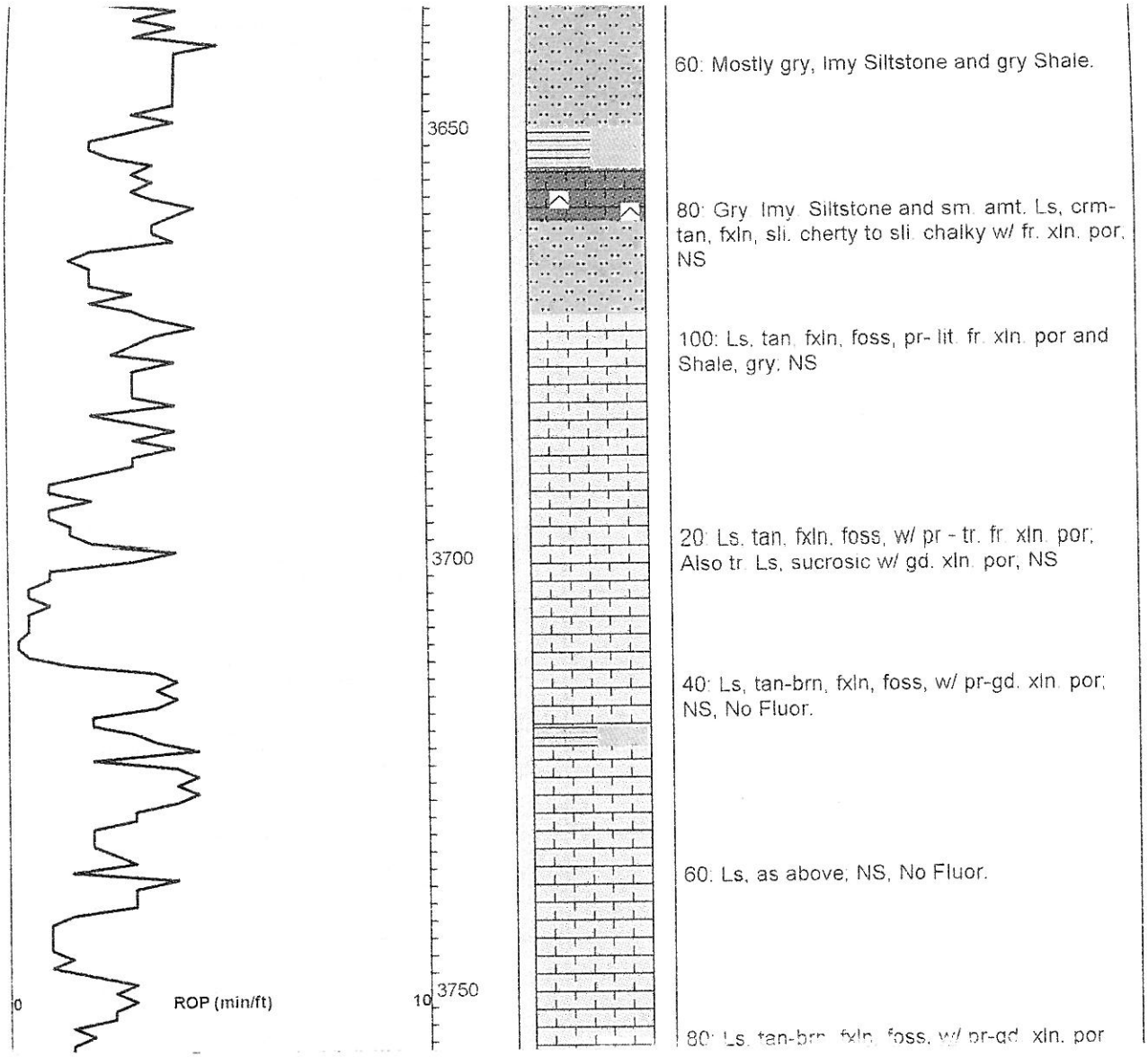
OIL SHOWS

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

Curve Track #01 ROP (min/ft)	l Intervals	sity	preted Lithology	shows	Comment


1:240 Imperial
ROP (min/ft)
0
10
Cored Interval
Depth
DST Interval
Porosity
Interpr
Oil Sho
Geological Descriptions
Comment
3450
3500
ROP (min/ft)
WABAUNSEE
20: Ls, tan, fxln, foss w/ tr. brn. carbonaceous spks, NS.
Mud @ 3323:
Vis: 31
Wt: 9.4
Chlor: 12,500 ppm
LCM: 2#
Bottoms Up: 25 mins.
Deviation Surveys.
1/2 deg. @ 264'
3/4 deg. @ 4300
Mud up @ 3500 ft.


3502 (-805)
3550
3600
40: Ls. crm-brn. fxln, v. foss, w/ pr-fr. xln. por and some brn. carb. spks; NS, No Fluor.
60: Ls. as above; NS
80 &100. Ls, gry, vfxln pr. por. and Ls. foss, w/ pr-fr. & tr. gd. xln. por; NS
20: Ls. crm-brn. fxln, foss w/ pr-fr. xln. por; NS
40: Shale, gry and Ls. as above; NS



60: Mostly gry, lmy Siltstone and gry Shale.

80: Gry lmy Siltstone and sm amt. Ls, crm-tan, fxln, sli. cherty to sli. chalky w/ fr. xln. por, NS

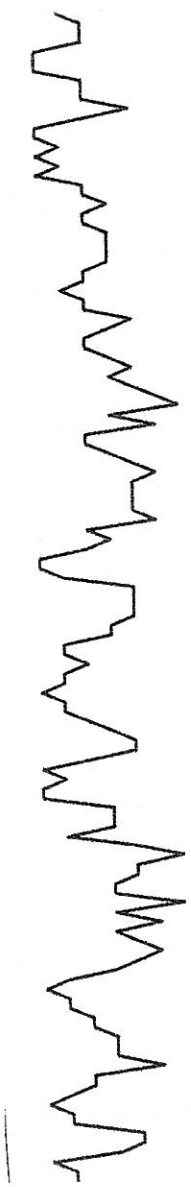
100: Ls, tan, fxln, foss, pr- lit. fr. xln. por and Shale, gry; NS

20: Ls. tan, fxln, foss, w/ pr - tr. fr. xln. por; Also tr. Ls, sucrosic w/ gd. xln. por, NS

40: Ls, tan-brn, fxln, foss, w/ pr-gd. xln. por; NS, No Fluor.

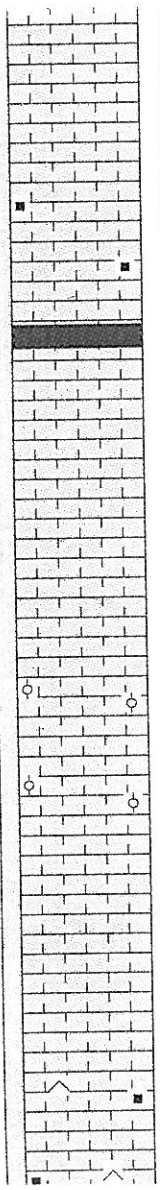
60: Ls, as above, NS, No Fluor.

80: Ls, tan-brn, fxln, foss, w/ pr-gd. xln. por



3800

3850



and sm. amt. Ls, crm, chalky; NS, No Fluor.

100: Ls, tan-brn, fxln, foss, w/ pr-gd. xln. por, some is soft, sli. chalky, tr. brn carbonaceous spks; NS, No Fluor.

20: Tr. blk, carbonaceous Shale and Ls, tan-brn, fxln, foss, pr-gd. xln. por, tr. is sli. chlky; NS

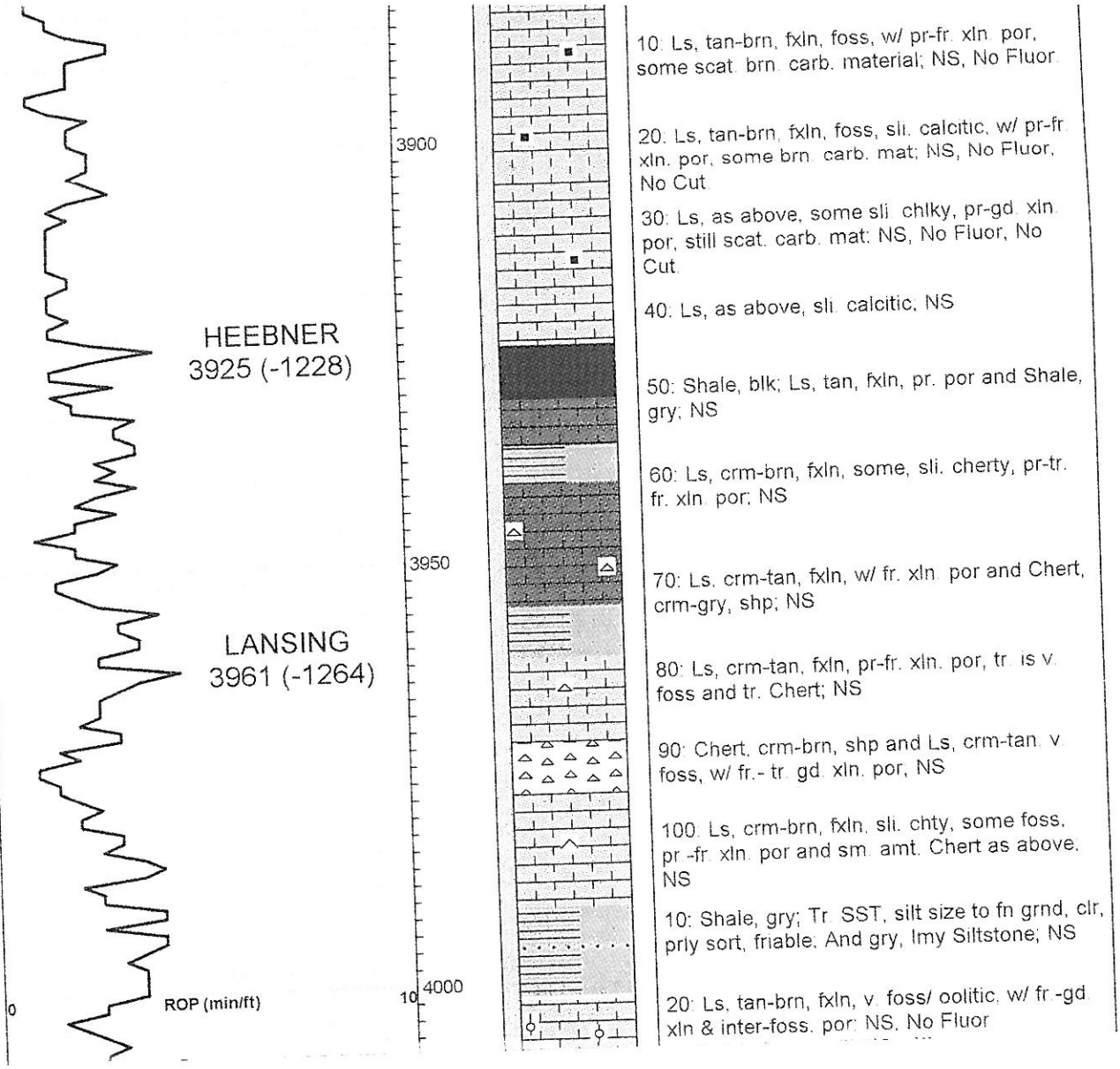
40. Ls, tan, fxln, w/ pr-fr. xln. por and less foss. Ls as above; NS

60. Ls, tan-brn, vf-fxln, some v. foss/ oolitic, w/ pr- tr. fr. xln. por; NS

80. Ls, as above; NS. No Fluor.

100. Ls, tan-brn, vf-fxln, sli. cherty, sli. foss, mostly pr - tr. fr. xln. por, w/ tr. brn carb. mat on few pcs; Tr. Chert, tan; No black Shale?; NS

Mud @ 3849
Vis: 45
Wt: 8.7
Filtrate: 8.0
Chlor: 800 ppm
LCM: 1#
Bottoms Up: 28 mins



10: Ls, tan-brn, fxln, foss, w/ pr-fr. xln. por, some scat. brn. carb. material; NS, No Fluor.

20: Ls, tan-brn, fxln, foss, sli. calcitic, w/ pr-fr. xln. por, some brn. carb. mat; NS, No Fluor, No Cut.

30: Ls, as above, some sli. chlky, pr-gd. xln. por, still scat. carb. mat; NS, No Fluor, No Cut.

40: Ls, as above, sli. calcitic; NS

50: Shale, blk; Ls, tan, fxln, pr. por and Shale, gry; NS

60: Ls, crm-brn, fxln, some, sli. cherty, pr-tr. fr. xln. por; NS

70: Ls, crm-tan, fxln, w/ fr. xln. por and Chert, crm-gry, shp; NS

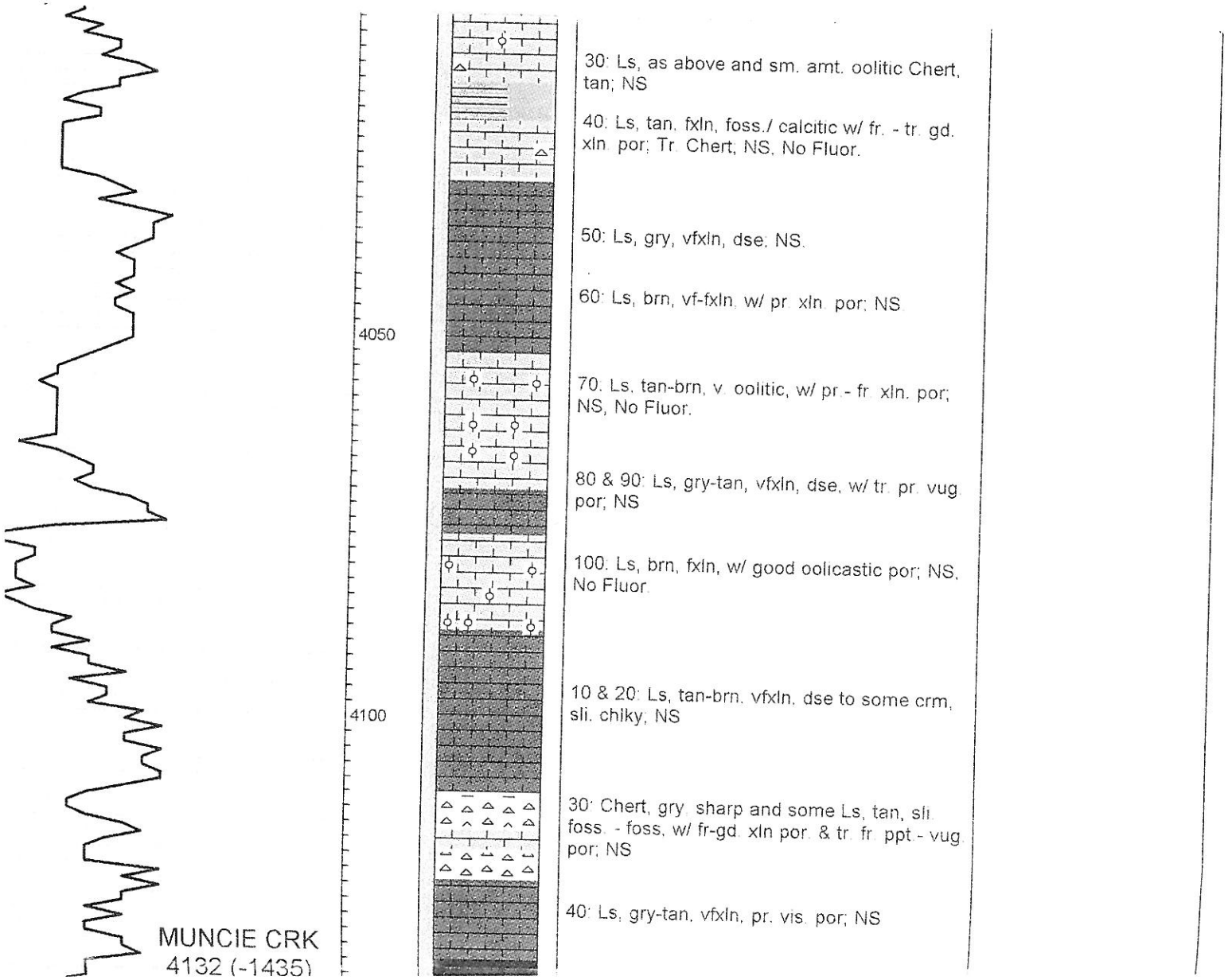
80: Ls, crm-tan, fxln, pr-fr. xln. por, tr. is v. foss and tr. Chert; NS

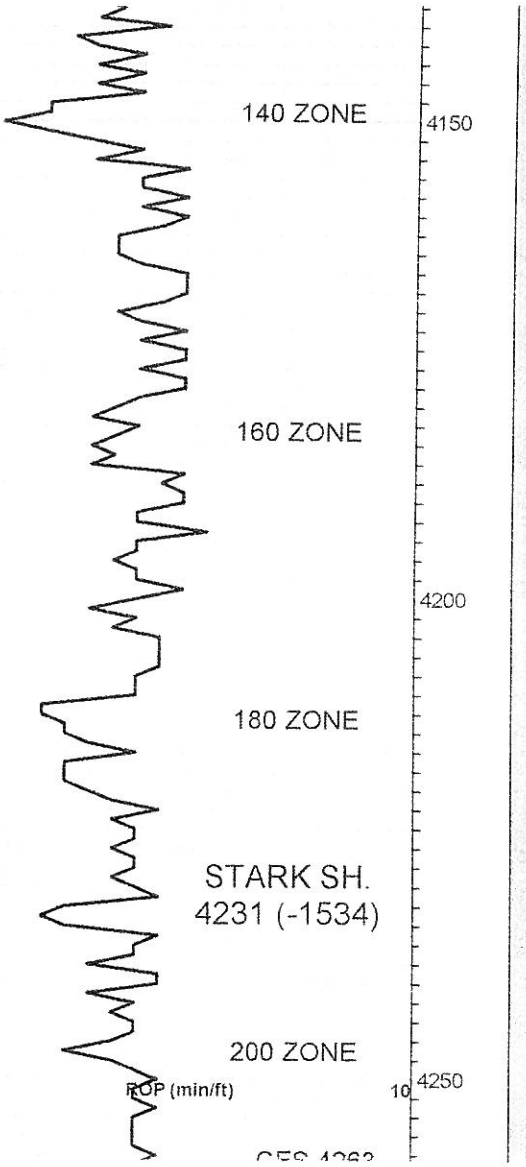
90: Chert, crm-brn, shp and Ls, crm-tan. v. foss, w/ fr.- tr. gd. xln. por, NS

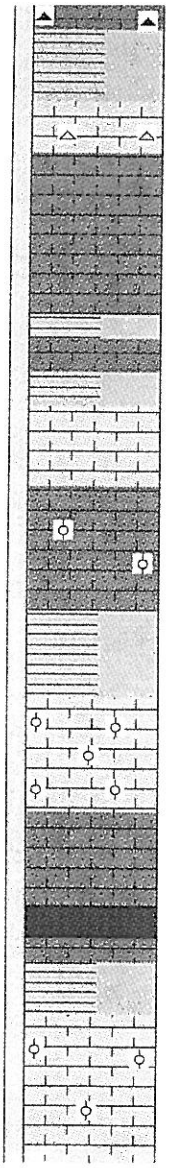
100: Ls, crm-brn, fxln, sli. chty, some foss, pr -fr. xln. por and sm. amt. Chert as above. NS

10: Shale, gry; Tr. SST, silt size to fn grnd, clr, prly sort, friable; And gry, lmy Siltstone; NS

20: Ls, tan-brn, fxln, v. foss/ oolitic. w/ fr.-gd. xln & inter-foss. por; NS, No Fluor


4050
4100
MUNCIE CRK
4132 (-1435)
30: Ls, as above and sm. amt. oolitic Chert, tan; NS
40: Ls, tan, fxln, foss./ calcitic w/ fr. - tr. gd. xln. por; Tr. Chert, NS, No Fluor.
50: Ls, gry, vfxln, dse. NS.
60: Ls, brn, vf-fxln. w/ pr. xln. por; NS
70. Ls. tan-brn, v. oolitic, w/ pr - fr. xln. por; NS, No Fluor.
80 & 90: Ls, gry-tan, vfxln, dse, w/ tr. pr. vug por; NS
100. Ls, brn, fxln, w/ good oolicastic por; NS, No Fluor.
10 & 20: Ls, tan-brn. vfxln. dse to some crm, sli. chiky; NS
30: Chert, gry. sharp and some Ls, tan, sli. foss. - foss, w/ fr-gd. xln por. & tr. fr. ppt.- vug. por; NS
40: Ls, gry-tan, vfxln, pr. vis. por; NS





and Chert, brn. sharp, NS

60: Shale, gry and green.

65: Ls, brn, v. foss, w/ pr.-fr. xln por. and Chert crm-tan, foss. sharp, NS, No Fluor.

70: Ls, gry-brn, vfxln, dse; NS

80: Ls, as above, tr. is calcitic and Shale, gry.

90: Tr. Ls, brn, vfxln, foss, w/ fr. xln to vug. por and Ls as above; Shale, gry; NS

100 & 10: Tr. Ls, tan, fxln, calcitic w/ fr. xln por and sm. amt. Ls, tan, v. oolitic/ foss, with no por. NS, No Fluor.

20: Shale, gry, green.

30: Sm. amt. Ls, v. oolitic/ foss. w/ pr. - tr. fr. xln & oolic. por; NS

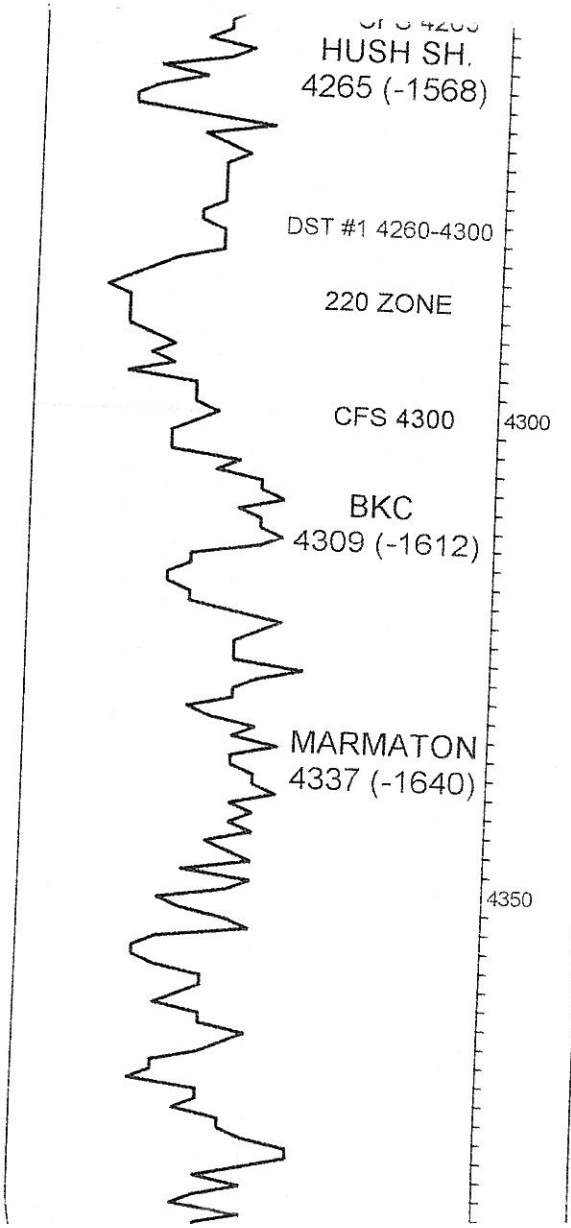
40: Ls, brn, vfxln, dse and sm. amt. Ls, foss / calcitic, w/ fr. xln. por; Black Shale; NS

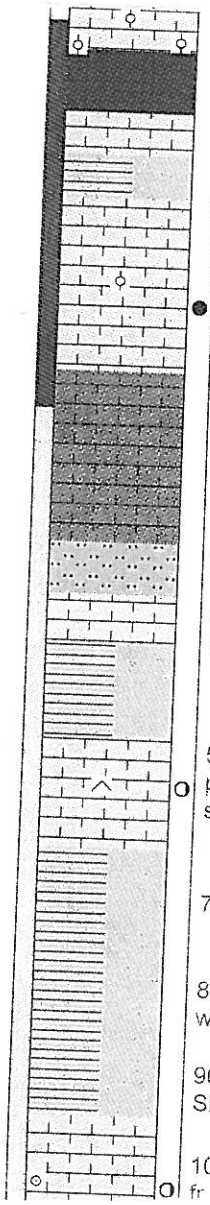
50: Ls, dk. brn, vfxln, dse; Shale, blk and green; NS

60: Ls, crm-tan, fxln, v. oolitic to calcitic, w/ pr -fr. xln. por & tr. oolic. por, NS, No Fluor.

Circ: Ls, gry-brn, vfxln, sli. ool./ foss, dse and tr. Chert, gry-brn, sharp; NS

Mud @ 4223:
Vis: 44
Wt: 9.2
Filtrate: 8.0
Chlor: 1,400
LCM: Trace
Bottoms Up: 29 mins.





80: Shale, blk. carb; Some Ls, brn. v. oolitic / foss, dse to tr. pr. xln. por, NS

90: Shale, gry and Ls, brn, v. foss, dse, NS

100: Ls, (foss. hash) csely foss./ frag. w/ fr-gd. inter-foss. ppt-vug. por, tr. foss. cast por, FSFO&G, total lt. brn. sat. stn, tr. barren, fr. odor.
Circ: Tr. Ls. as above, Ls, crm, chalky to Ls, brn vfxln, dse, w/ NS.

20: Ls, tan-brn, vfxln, dse, sli. foss; NS

30: Tan, silty Ls to lmy Siltstone w/ mostly pr. por. and Ls as above; NS

40: Ls, tan-brn, vf-fxln, foss, dse and some Shale, gry and gry Siltstone; NS

50 & 60: Ls, brn, vfxln, dse, foss, sli. chty, cp pcs. w/ tr. pr. scat. ppt. por & spty. dk. brn oil stn. assoc. w/ por., v. fnt. odor

70: Shale, gry, grn.

80: Shale, gry, grn, red and some rounded, weath., dse, Ls grns.

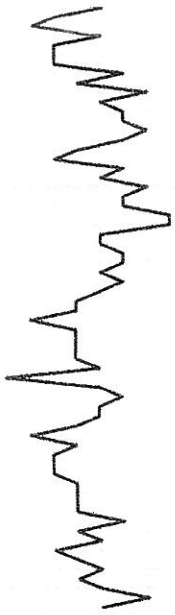
90: Ls, gry-brn, vfn-md. xln, pr. por and some Shale, as above; NS

100: Ls, tan, fxln, some ool./ foss, w/ pr. - tr. fr. xln. por, some oli. stn

Ran short trip of 20 stands at 4263.

Pipe Strap @ 4300: 3.05 ft. short to boa

DST #1
(220 or "L" Zone
4260-4300
Times: 30-60-45-12
IF: Blow off btm 8.5
ISI: No return blow.
FF: Blow off btm in 5 min.
FSI: 1/2" return blow.
Rec: 1120' Gas in pip
265' Total Fluid:
75' G&OCM (10%G, 19%O, 71%M
170' SM&WCGO (8% 78%O, 10%W, 4%M.
20' SM&GOCW (22% 6%O, 62%W, 10%M)
Oil Grav.: 37
Wtr Chlor: 46,000 ppm
System Chlor: 1,400 ppm
Rw: .17 @ 69 deg. F
IFP: 10-61#
FFP: 67-111#
SIP: 805-807#
HP: 1998-1998#
Max Temp: 124 deg. F
(See chart above)
Mud @ 4337.
Vis: 50
Wt: 9.2
Filtrate: 8.0
Chlor: 1,400 ppm
LCM: 0#
Bottoms Up: 30 mins



CFS 4444

RTD 4444 (-1747)

4400

4450

fr. xln. por. some sli. chlky. cp. pcs. w/ tr. blk spty. oil stn, no FO, no Fluor, no cut.

10: Ls, tan, vfxln, faintly ool. / foss, tr. sli. chty, pr. por; NS

20 & 30: Ls, as above, cp pcs. w/ v. pr. scat. ppt. por & tr. spty. dk. brn stn, tr. FO, v. fnt. odor

40: Ls, tan-brn, vf-fxln, some faintly ool. / foss., dse and tr. grn, lmy Shale, NS

Circ. Ls, brn, vfxln to earthy, sli. foss, dse to pr. por.; Sm. amt. lmy Siltstn and tr. Shale, grn-gry; NS

Ran short trip of 15 stands at TD.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

August 14, 2012

Clarke Sandbert
Raymond Oil Company, Inc.
PO BOX 48788
WICHITA, KS 67202-1822

Re: ACO1
API 15-101-22370-00-00
Michaud Trust 5
NE/4 Sec.21-18S-27W
Lane 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,
Clarke Sandbert

DIAMOND TESTING

General Information Report

General Information

Company Name	RAYMOND OIL COMPANY, INC.	**Representative**	TIM VENTERS
Contact	CLARKE SANDBERG	**Well Operator**	RAYMOND OIL COMPAY, INC.
Well Name	MICHAUD TRUST #5	**Report Date**	2012/05/22
Unique Well ID	DST #1, KANSAS CITY, 4260-4300	**Prepared By**	TIM VENTERS
Surface Location	SEC 21-18S-27W, LANE CO. KS.		
Field	ALAMOTA WEST	**Qualified By**	LARRY FRIEND
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #1, KANSAS CITY, 4260-4300		
Well Fluid Type	01 Oil		
Start Test Date	2012/05/21	**Start Test Time**	21:17:00
Final Test Date	2012/12/30	**Final Test Time**	06:16:00

Test Recovery:

RECOVERED: 1120' GAS IN PIPE
75' G, OCM, 10% GAS, 19% OIL, 71% MUD
170' G,SW&MCO, 8% GAS, 78% OIL, 10% WATER, 4% MUD
20' G,SO&MCW, 22% GAS, 6% OIL, 62% WATER, 10% MUD
265' TOTAL FLUID

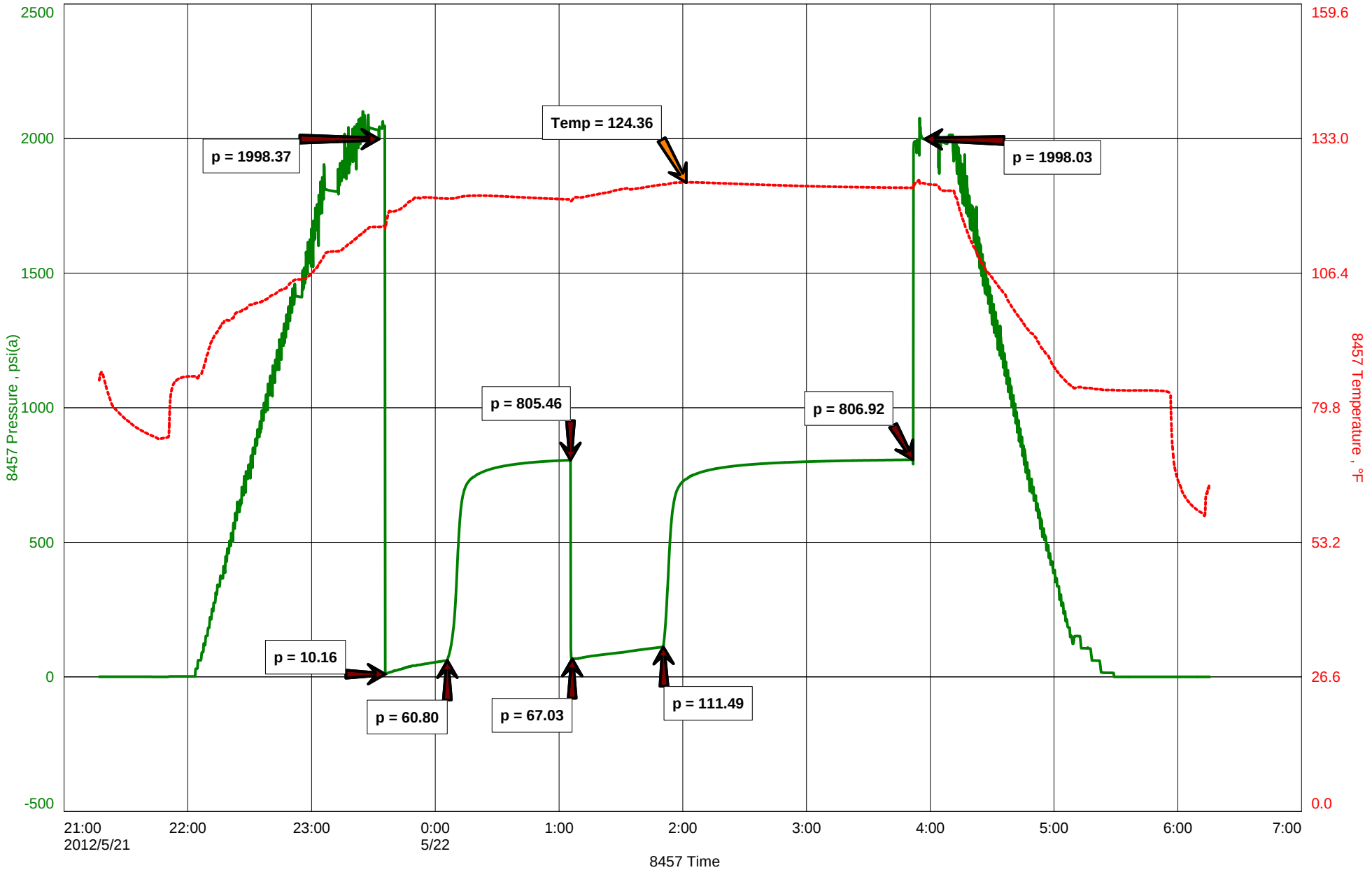
TOOL SAMPLE: 98% OIL, 2% MUD, GRAVITY: 37

CHLORIDES: 46,000 ppm
PH: 6.5
RW: .17 @ 69 deg.

RAYMOND OIL COMPANY, INC.
DST #1, KANSAS CITY, 4260-4300
Start Test Date: 2012/05/21
Final Test Date: 2012/12/30

MICHAUD TRUST #5
Formation: DST #1, KANSAS CITY, 4260-4300
Pool: ALAMOTA WEST
Job Number: T058

MICHAUD TRUST #5



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: MICHIAUDTRUST5DST1

TIME ON: 21:17 5-21-12
TIME OFF: 06:16 5-22-12

Company RAYMOND DRILLING COMPANY, INC. Lease & Well No. MICHAUD TRUST #5

Contractor L.D. DRILLING, INC. RIG #1 Charge to RAYMOND DRILLING COMPANY, INC.

Elevation 2697 KB Formation KANSAS CITY Effective Pay _____ Ft. Ticket No. T058

Date 5-21-12 Sec. 21 Twp. 18 S Range 27 W County LANE State KANSAS

Test Approved By LARRY FRIEND Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4260 ft. to 4300 ft. Total Depth 4300 ft.

Packer Depth 4255 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4260 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4241 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4297 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 44 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1,400 P.P.M. Drill Pipe Length 4227 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 40 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 1/2 INCH BLOW BUILDING, REACHING BOB 8 1/2 MIN. (NOBB)

2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 5 MIN. (1/2" BB)

Recovered 1120 ft. of GAS IN PIPE

Recovered 75 ft. of G,OCM, 10% GAS, 19% OIL, 71% MUD

Recovered 170 ft. of G,SW&MCO, 8% GAS, 78% OIL, 10% WATER, 4% MUD

Recovered 20 ft. of G,SO&MCW, 22% GAS, 6% OIL, 62% WATER, 10% MUD

Recovered 265 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Remarks: CHLORIDES: 46,000 ppm
PH: 6.5
RW: .17 @ 69 deg.

TOOL SAMPLE: 98% OIL, 2% MUD, GRAVITY: 37

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 11:35 PM A.M. P.M. Time Started Off Bottom 3:50 AM A.M. P.M. Maximum Temperature 124 deg.

Initial Hydrostatic Pressure ..... (A) 1998 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 10 P.S.I. to (C) 61 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 805 P.S.I.

Final Flow Period ..... Minutes 45 (E) 67 P.S.I. to (F) 111 P.S.I.

Final Closed In Period ..... Minutes 120 (G) 807 P.S.I.

Final Hydrostatic Pressure ..... (H) 1998 P.S.I.