KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1060247

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: Ted McHenry
Phone: (316) 267-4214
CONTRACTOR: License # 6039
Name: L. D. Drilling, Inc.
Wellsite Geologist: Kevin Kessler
Purchaser: NCRA

Designate Type of Completion:

- [x] New Well [ ] Re-Entry [ ] Workover
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

4/5/2011	4/18/2011	5/10/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-109-20994-00-00
Spot Description:
NE - NW - NE - SW Sec. 1 Twp. 14 S. R. 32 [ ] East [x] West
2585 Feet from [ ] North / [x] South Line of Section
1672 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW

County: Logan
Lease Name: Steckel/Darney Well #: 2
Field Name:
Producing Formation: Myric Station
Elevation: Ground: 2891 Kelly Bushing: 2888
Total Depth: 4640 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 247 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 2367 Feet
If Alternate II completion, cement circulated from: 2367
feet depth to: w/ 420 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 18000 ppm Fluid volume: 1100 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:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrisor **Date:** 08/30/2011

Side Two

1060247

Operator Name: Raymond Oil Company, Inc. Lease Name: Steckel/Darney Well #: 2

Sec. 1 Twp. 14 S. R. 32 ☐ East ☑ West County: Logan

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

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

Name	Top	Datum
Stotler	3522	-635
Heebner	3882	-994
Stark	4168	-1280
Paw	4378	-1490
Miss	4584	-1696

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	247	Common	175	3%CC,2%Gel
Production	7.875	4.5	10.5	4638	60/40 Pozmix	300	7.5%Salt
DV	0	0	0	2367	60/40 Pozmix	420	8%gel,1/4#flo seal

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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	4417-4424	500 A	

TUBING RECORD: Size: 2 7/8" Set At: 4438' Packer At:

Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 5/11/2011

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	140		0		32

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:
4417-24

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

Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	Steckel/Darney 2
Doc ID	1060247

All Electric Logs Run

Neutron
Dual Induction
Micro
Geo Report
Cement Bond

KEVIN L. KESSLER

CONSULTING PETROLEUM GEOLOGIST

(316) 522-7338

OPERATOR : RAYMOND OIL COMPANY INC.

LEASE : STECKEL - DARNEY WELL # : 2

LOCATION : 2585' FSL & 1672' FWL

SEC: 01 TWP : 14S RGE : 32W

COUNTY : LOGAN STATE : KANSAS

ELEV.

KB :

GL :

MEASUREI

K

CASING

SURFACE

8 5/8"

PRODUCT

4 1/2"

ELECTRICA

D

CNL

MI

CONTRACTOR : L D DRILLING RIG # 1

COMM: 04 / 05 / 2011 COMP : 04 / 18 / 2011

RTD : 4640 LOG TD : 4638

SAMPLES SAVED FROM : 3450 TO: RTD

GEOLOGICAL SUPERVISION FROM : 3450 TO : RTD

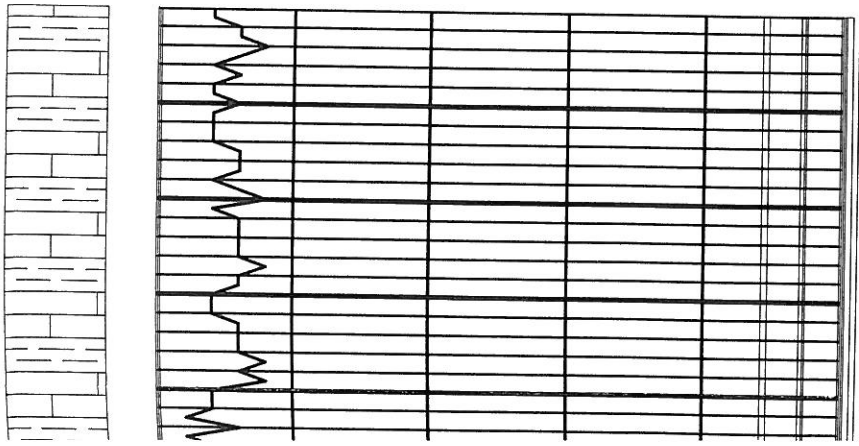
MUD UP : 3400 TYPE MUD : CHEMICAL

FORMATION	LOG TOP	LOG DATUM	SAMPLE TOP	SAMPLE DATUM	STRUCT. COMP.

NER	3882	- 994	3882	- 994	- 07	
ING	3921	- 1033	3921	- 1033	- 07	
RK	4168	- 1280	4168	- 1280	- 10	
VNEE	4378	- 1490	4378	- 1490	- 10	
OKEE	4460	- 1572	4460	- 1572	- 10	
SSIPPI	4581	- 1693	4581	- 1693	- 04	
	.	.	.	.	.	

REFERENCE WELL FOR STRUCTURAL COMPARISON :

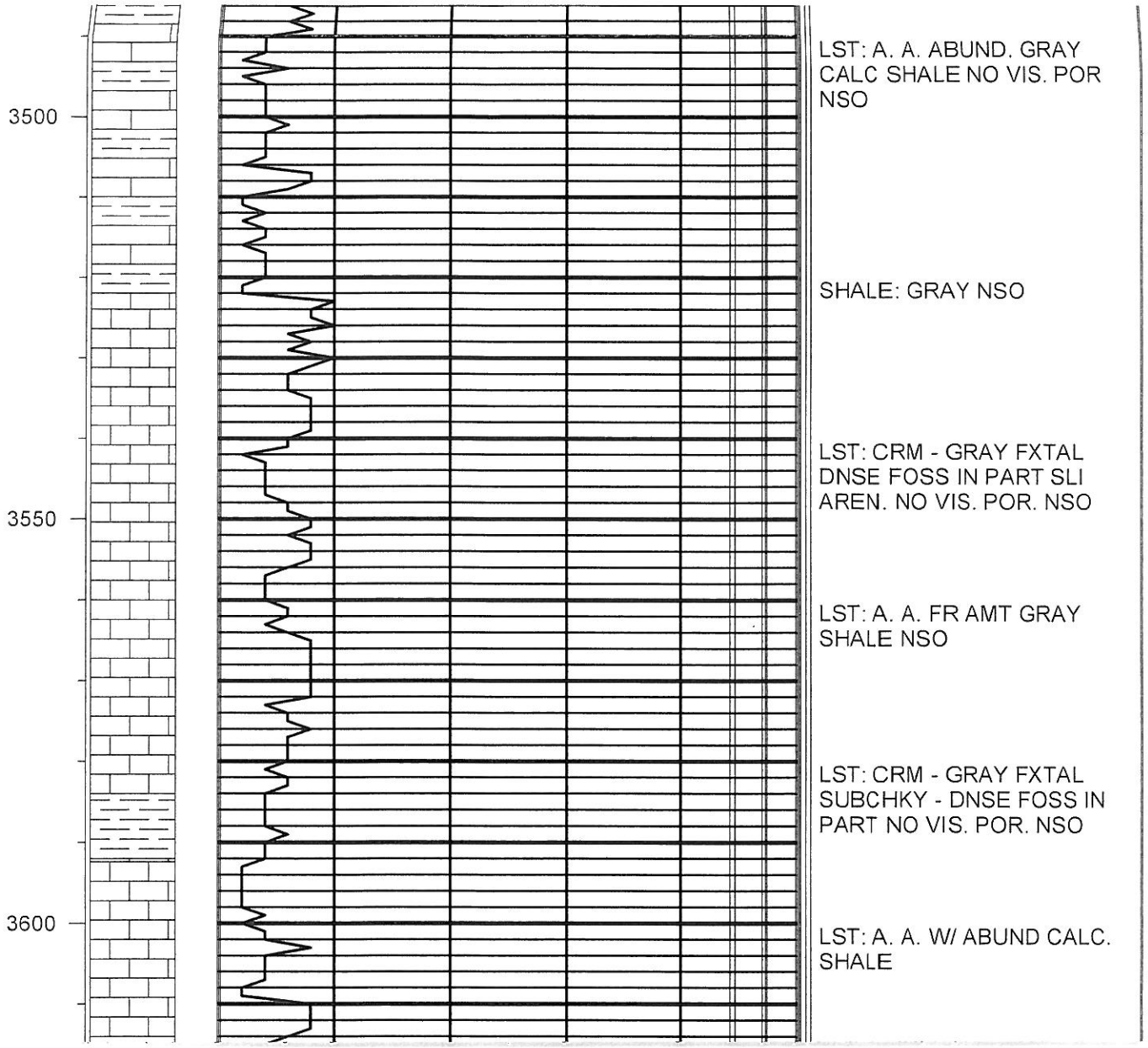
OIL CO. # 1 STECKEL - DARNEY SEC. 01 - T 14S - R32W LOGAN COUNTY KANSAS

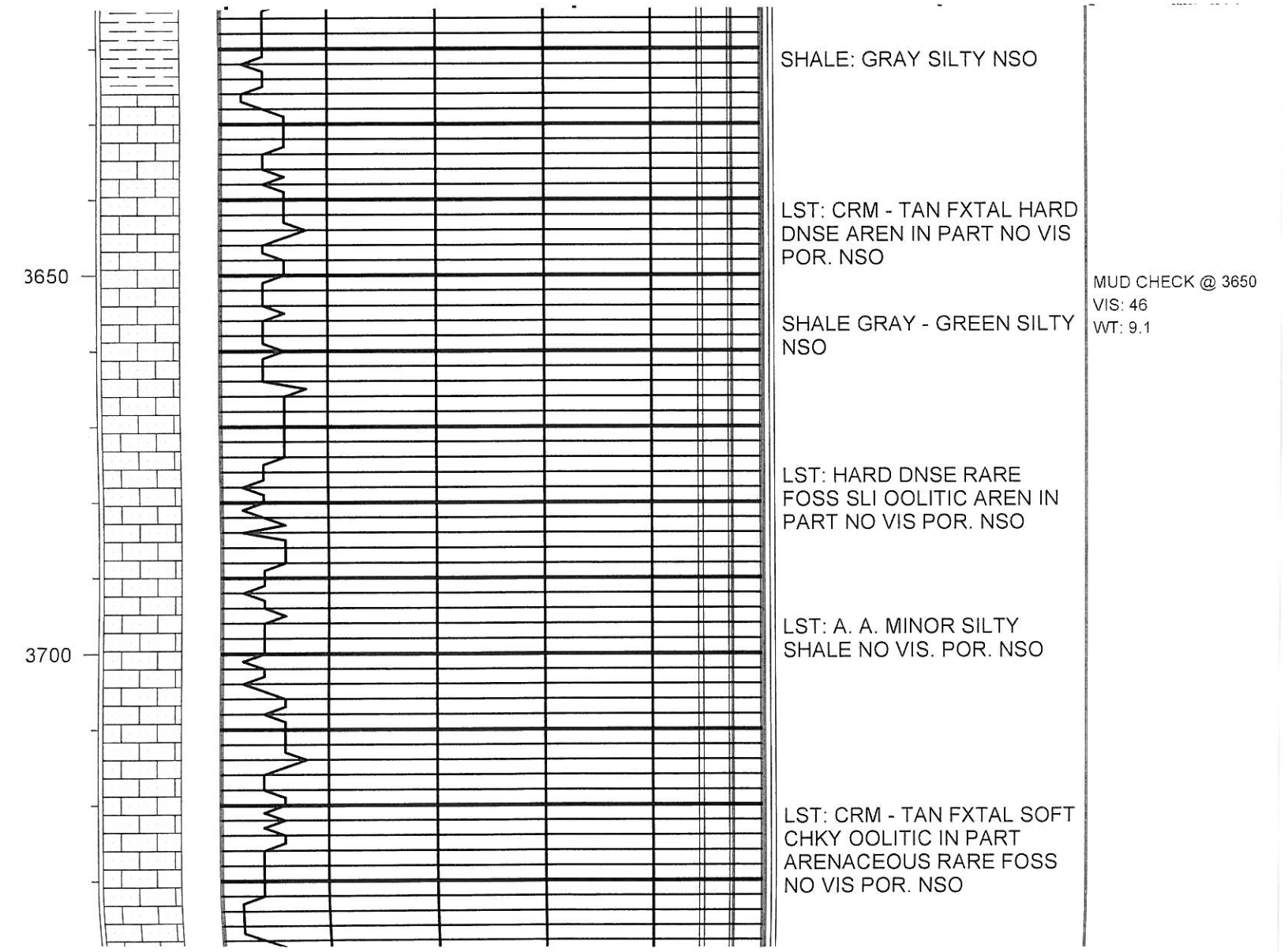


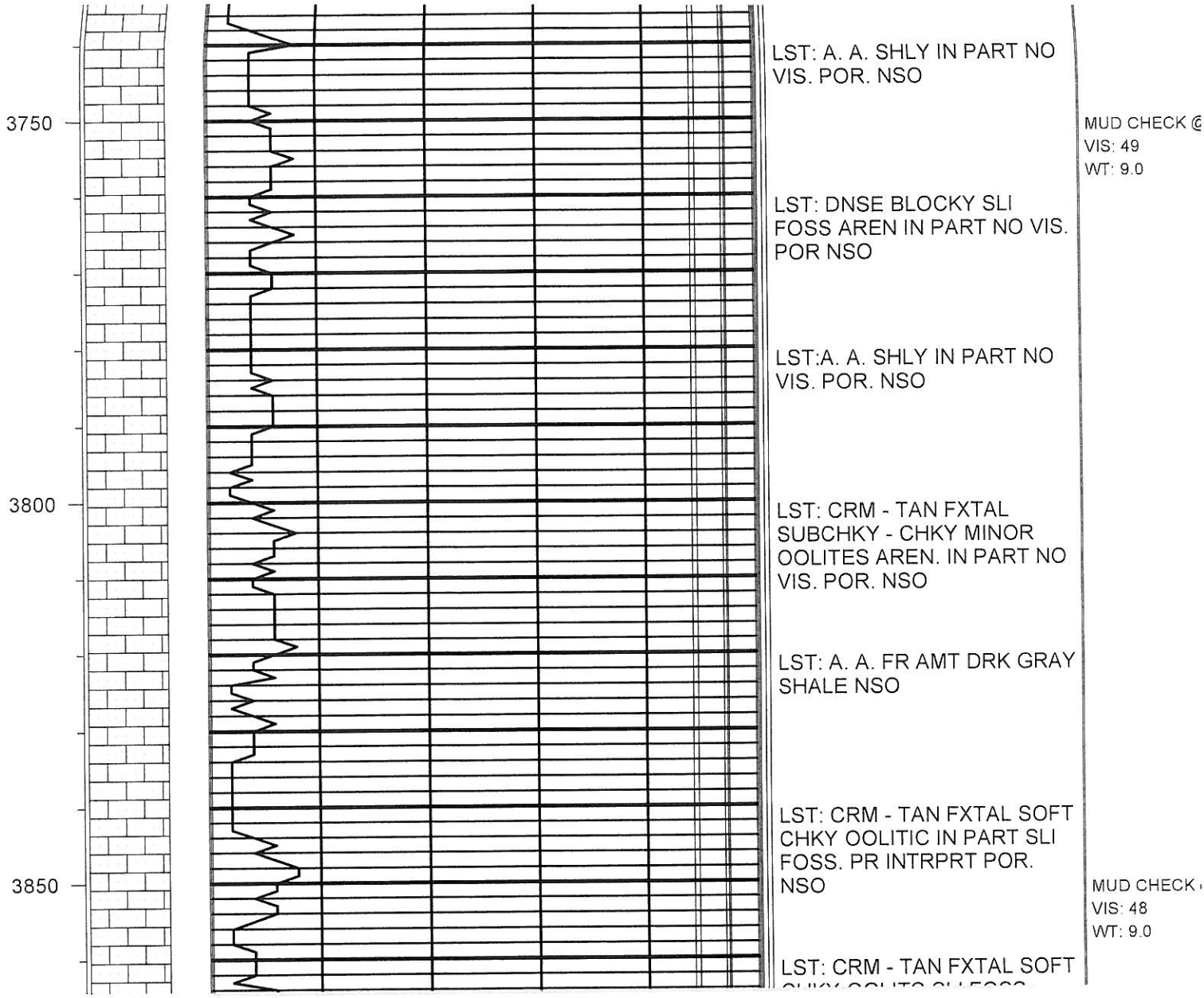
LST: CRM - TAN FXTAL SOFT CHALKY MINOR FOSS FR. AMT GRAY SHALE NSO

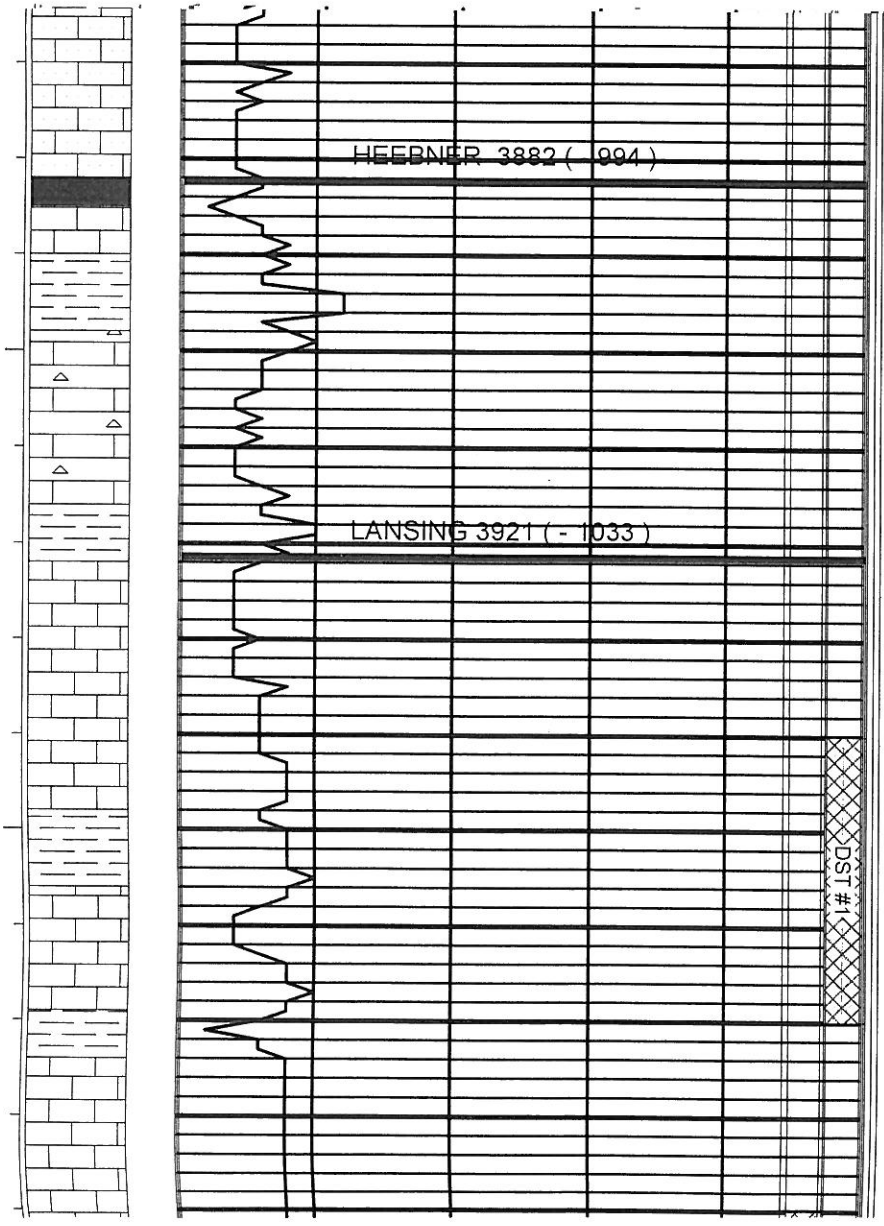
LST: A. A. ABUND. GRAY

MUD CHECK @ 3450
VIS: 47
WT: 8.9


3500
3550
3600
LST: A. A. ABUND. GRAY CALC SHALE NO VIS. POR NSO
SHALE: GRAY NSO
LST: CRM - GRAY FXTAL DNSE FOSS IN PART SLI AREN. NO VIS. POR. NSO
LST: A. A. FR AMT GRAY SHALE NSO
LST: CRM - GRAY FXTAL SUBCHKY - DNSE FOSS IN PART NO VIS. POR. NSO
LST: A. A. W/ ABUND CALC. SHALE
MUD CHECK (
VIS: 47
WT: 9.0


3650
3700
SHALE: GRAY SILTY NSO
LST: CRM - TAN FXTAL HARD DNSE AREN IN PART NO VIS POR. NSO
SHALE GRAY - GREEN SILTY NSO
LST: HARD DNSE RARE FOSS SLI OOLITIC AREN IN PART NO VIS POR. NSO
LST: A. A. MINOR SILTY SHALE NO VIS. POR. NSO
LST: CRM - TAN FXTAL SOFT CHKY OOLITIC IN PART ARENACEOUS RARE FOSS NO VIS POR. NSO
MUD CHECK @ 3650
VIS: 46
WT: 9.1


3750
3800
3850
LST: A. A. SHLY IN PART NO VIS. POR. NSO
MUD CHECK @
VIS: 49
WT: 9.0
LST: DNSE BLOCKY SLI FOSS AREN IN PART NO VIS. POR NSO
LST:A. A. SHLY IN PART NO VIS. POR. NSO
LST: CRM - TAN FXTAL SUBCHKY - CHKY MINOR OOLITES AREN. IN PART NO VIS. POR. NSO
LST: A. A. FR AMT DRK GRAY SHALE NSO
LST: CRM - TAN FXTAL SOFT CHKY OOLITIC IN PART SLI FOSS. PR INTRPRT POR. NSO
MUD CHECK
VIS: 48
WT: 9.0
LST: CRM - TAN FXTAL SOFT



CHKY OOLITC SLI FOSS AREN IN PART PR - FR CHKY POR. NSO

SHALE: BLACK CARB. W/ FR AMT DNSE MOTTLED LST. NO VIS. POR. NSO

SHALE: GRAY - DRK GRAY SILTY NSO

LST: CRM - WHT FXTAL SUBCHKY - DNSE MINOR CHERT NO VIS. POR. NSO

LST:A. A. W/ FR AMT SILTY SHALE NSO

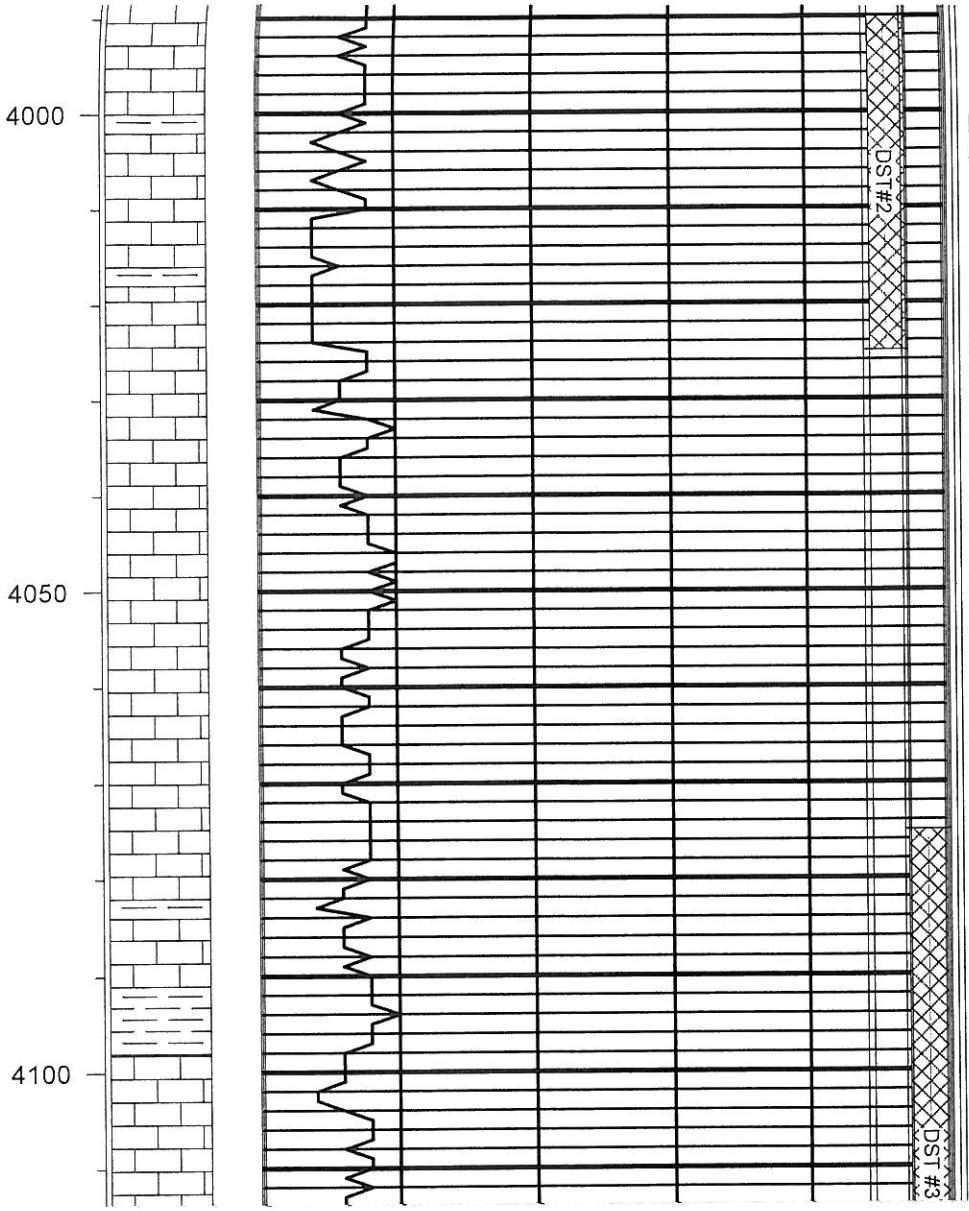
LST:WHT - CRM FXTA SUBCHKY - DNSE FOSS IN PART NO VIS. POR. NSO

LST: CRM - WHT FXTAL SUBCHKY - DNSE SLI FOSS OOLITIC IN PART FR - GD SFO FNT - FR ODOR SCATT - FR AMT SUBSAT - SAT MED BRN STN FR INTRPRT POR.

LST: WHT - CRM - GRAY FXTAL DNSE BLOCKY SLI FOSS NO VIS. POR. NSO

DST # 1 (3940 - 3970
REC: 105' VSOCMW <
IFP: 5 - 25#
ISIP: 890#
FFP: 27 - 53#
FSIP: 883#

MUD CHECK @ 3950
VIS: 45
WT: 9.2



LST: A. A. FR AMT GRAY SHALE

LST: WHT - CRM FXTAL HARD BRITTLE SLI FOSS SSFO STRG SULF ODOR SCATT LT - MED BRN SUBSAT STN. PR INTRPRT. POR.

LST: WHT - CRM FXTAL SUBCHKY - DNSE SLI FOSS RARE OOLITE MINOR CHERT VRY POOR VIS INTRPRT POR. NSO

LST: A. A. MOST DNSE SLI FOSS. NO VIS. POR NSO

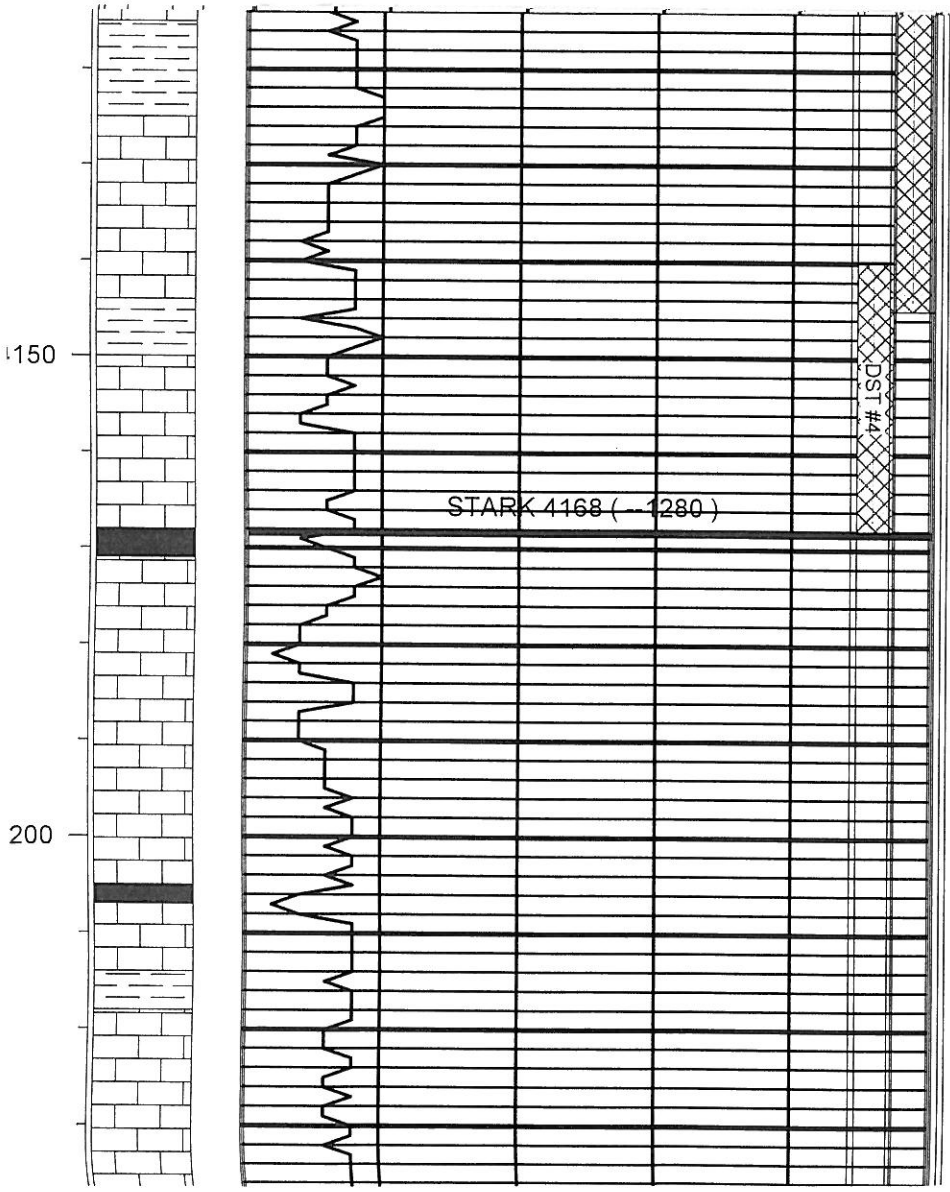
LST: A. A. NO VIS. POR. NSO

LST: WHT - CRM - GRAY FXTAL SUBCHKY - DNSE SLI FOSS BRITTLE IN PART SSFO VRY FNT ODOR FEW

DST # 2 (3990
REC: 100' MW
IFP: 6 - 25#
ISIP: 870#
FFP: 27 - 51#
FSIP: 838#

MUD CHECK (
VIS: 48
WT: 9.1

DST # 3 (407
REC: 225' MC
IFP: 9 - 54#
ISIP: 1186#
FFP: 59 - 111#
FSIP: 1141#



PR - FR INTRPRT POR.

LST: A. A. SHLY IN PART NO VIS. POR. NSO

LST: CRM - GRAY FXTALSUB CHKY - DNSE SLI FOSS. SSFO FR ODOR SCATT LT. BRN SPTY - SUBSAT STN PR INTRPRT POR.

LST: WHT - CRM - GRAY FXTAL DNSE BRITTLE OOLITIC - OOLICASTIC GSGSYFO SCATT MED - DRK BRN SPTY - SAT STN FR INTRPRT & OOLICAST POR. STRONG ODOR

SHALE: DRK GRAY - BLK CARB. NSO

LST: WHT - CRM SUBCHKY - DNSE FOSS. MINOR OOLITES FSFO STRONG H2S ODOR SCATT - FR AMT SUBSAT - SAT MED BRN STN PR INTRPRT & PINPOIT POR.

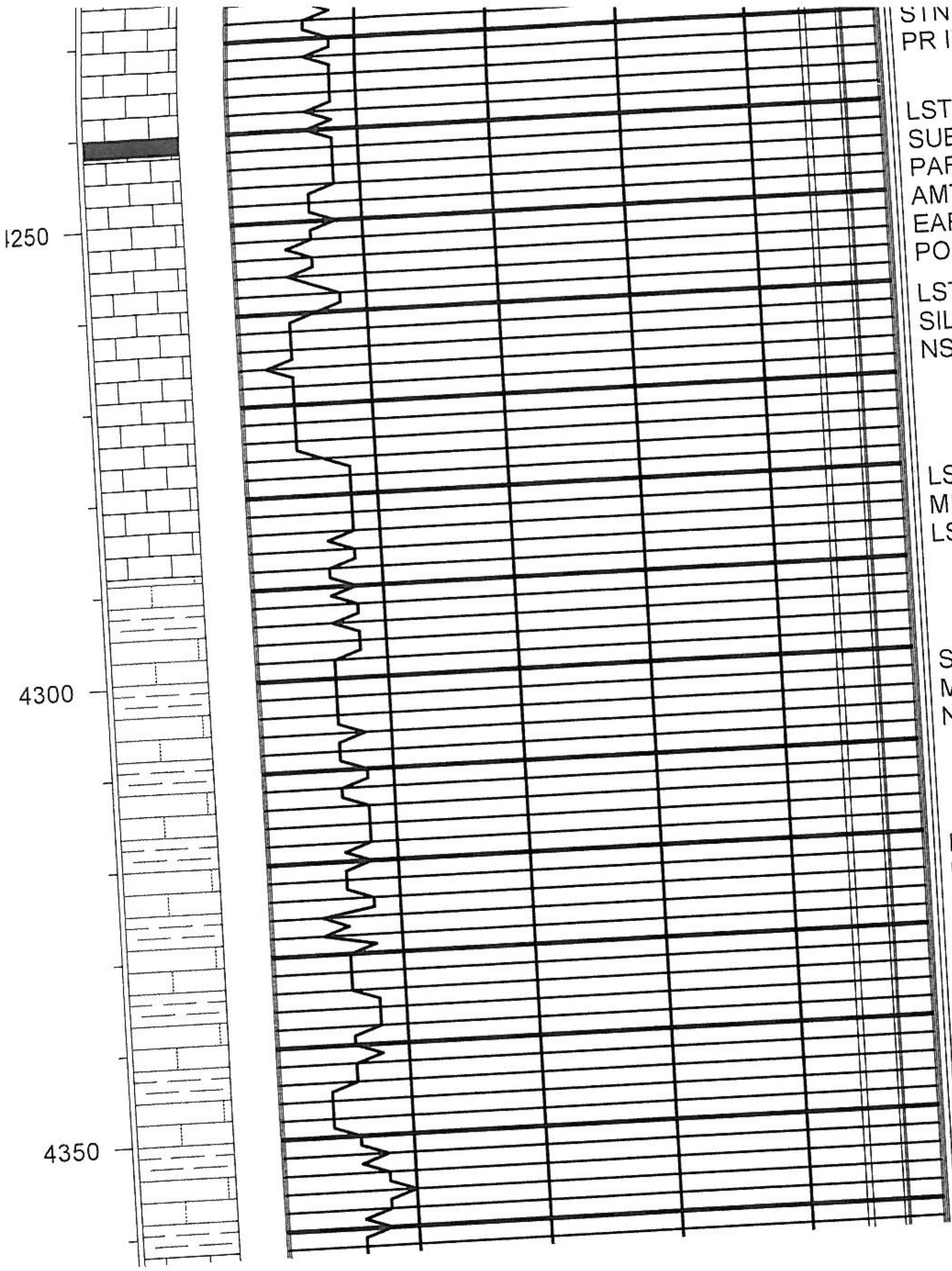
LST: A.A. CHKY IN PART NSO

SHALE: BLK CARB.

LST: WHT - GRAY FXTAL DNSE SLI FOSS CPL. PCS. W/ SPTY - SUBSAT MED BRN STN VSSFO VRY FNT ODOR PR INTRPRT. POR.

DST # 4 (4140 - 4168
REC: 140' MCW VSSC
IFP: 6 - 33#
ISIP: 1180#
FFP: 35 - 70#
FSIP: 1176#

MUD CHECK @ 4150
VIS: 48
WT: 9.2



STN VSSFO VRY ...
PR INTRPRT. POR.

LST: CRM - TAN FXTAL SUBCHKY - DNSE ARN IN PART SLI FOSS SHLY W/ FR AMT BRN ARGILACEOUS EARTHY SHALE NO VIS. POR. NSO

MUD CHECK @ 4250
VIS: 47
WT: 9.2

LST: A. A. VERY SHALEY SILTY SANDY NO VIS. POR. NSO

LST: A. A. SHLY IN PART MINOR DNSE MICRITIC BRN LST. NO VIS. POR. NSO

SHALE: RED - BRN EARTHY MINOR AMT SILTY - SANDY NSO

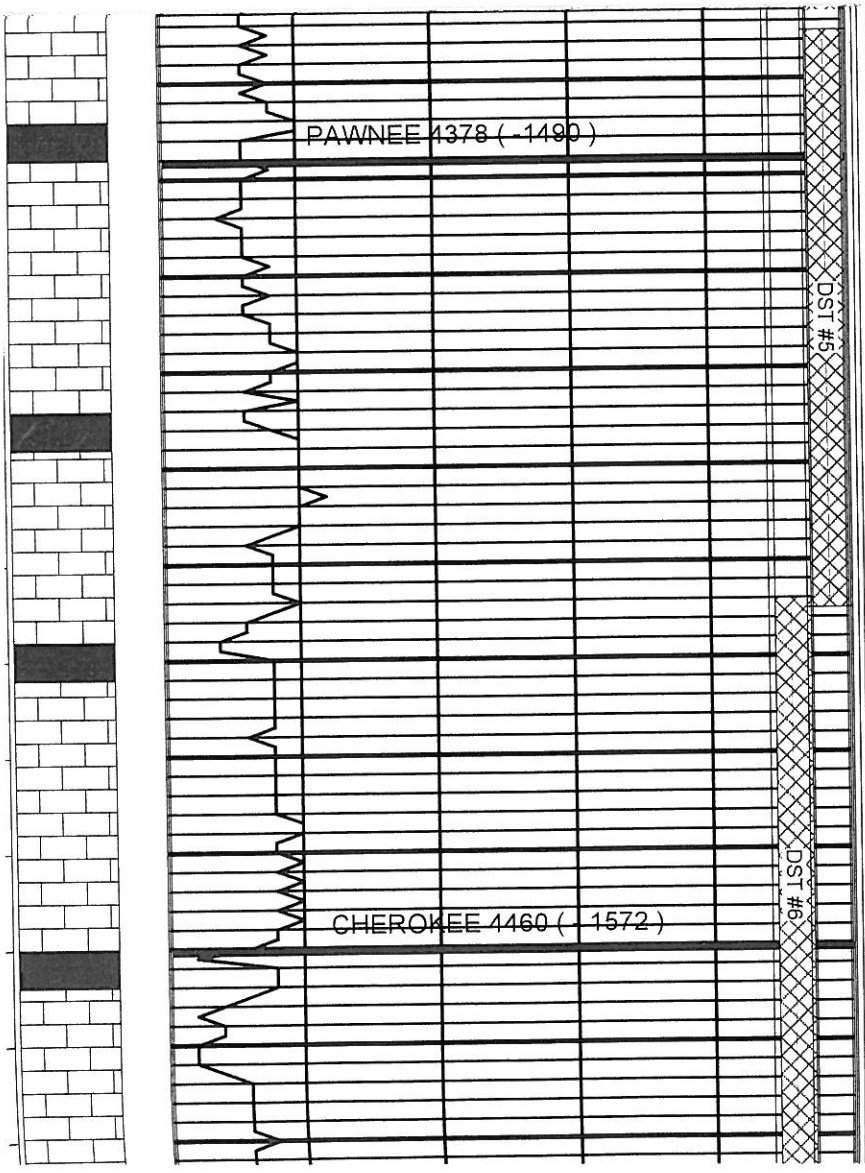
LST: TAN - BRN FXTAL DNSE BRITTLE MICRITIC IN PART RARE FOSS NO VIS. POR NSO

LST: A. A. ABUND BRN SHALE NO VIS. POR NSO

MUD CHECK @ ...
VIS: 50
WT: 9.1

LST: CRM - TAN - BRN FXTAL

DST # 5 (4365 - ...



SUBCHKY - DNSE RARE FOSS NO VIS POR NSO FR AMT RED - BRN SHALE

LST: WHT - GRAY FXTAL DNSE BLOCKY CPL. PCS DRK BRN SPTY STN NSFO NO ODOR PR VUGGY POR.

LST: A. A.NO VIS. POR. NSO

LST: CRM - TAN FXTAL DNSE BRITTLE FOSS IN PART SSFO GD ODOR SCATT SPTY - SUBSAT - SAT MED BRN STN PR - FR VUGGY & INTRPRT POR.

SHALE: BLK CARB. NSO

LST: WHT - CRM FXTAL DNSE BRITTLE SLI FOSS. MOSTLY OOLITIC FSGSYFO FR ODOR SCATT - FR AMT LT - MED BRN SUBSAT - SAT STN PR FR INTROOLITIC POR.

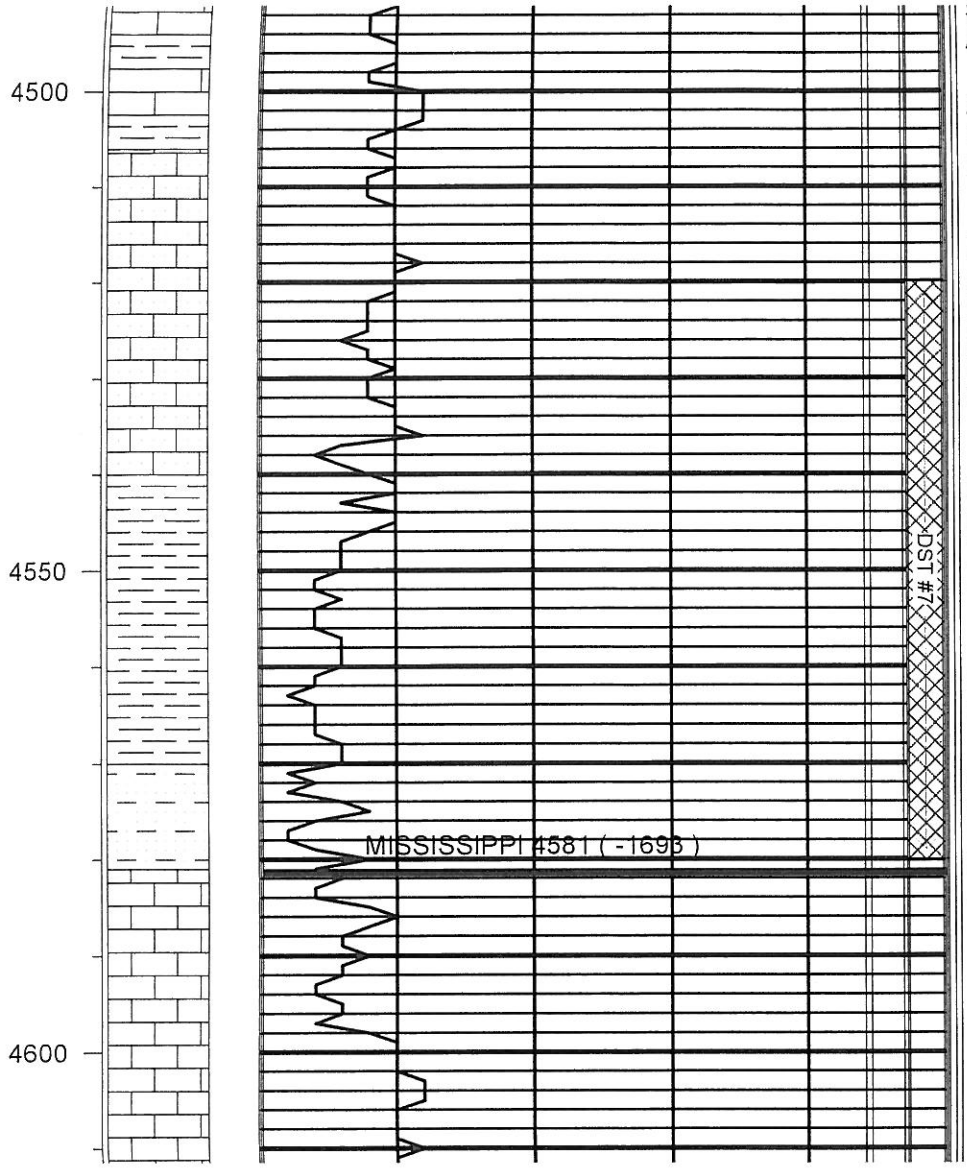
SHALE: BLK CARB. NSO

LST: CRM - GRAY FXTAL SUBCHKY - DNSE FOSS IN PARTGSFO FR ODOR SCATT MED - DRK BRN SUBSAT

REC: 485' GIP
34' HOCM 30%O
116' MO 85%O
IFP: 7 - 36#
ISIP: 1117#
FFP: 35 - 66#
FSIP: 1117#

DST # 6 (4424 - 4484)
REC: 30' MUD SSO
IFP: 8 - 9#
ISIP: 1161#
FFP: 10 - 12#
FSIP: 1090#

MUD CHECK @ 4450
VIS: 49
WT: 9.2



SHALE: BLK CARB. W/ FR AMT DRK GRAY CAC. SHALE

A. A. W/ FR AMT INTRBEDDED DNSE FLAGGY LST. NSO

LST: CRM - TAN FXTAL DNSE ARENACEOUS IN PART SLI FOSS GSFO STRONG ODOR FR AMT SUBSAT - SAT MED - DRK BRN STN PR VUGGY POR. MINOR CHERT

DST # 7 (4520 - 45
REC: 5' MUD VSSO
IFP: 7 - 7#
ISIP: 390#
FFP: 9 - 9#
FSIP: 271#

LST: A. A. FR AMT SNDY SHALE FEW SMALL CLUST. TGHT CMT CLEAN SAND NSO NO ODOR

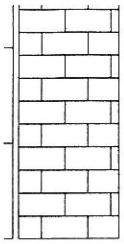
MUD CHECK @ 45
VIS: 52
WT: 9.2

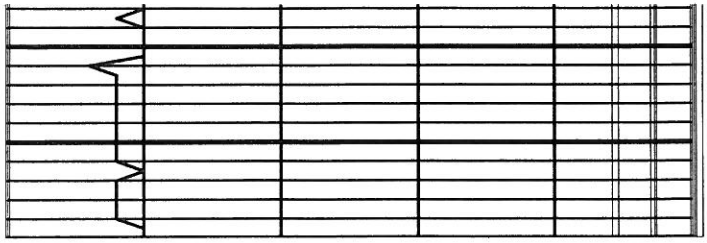
SHALE: YELLOW - GRAY SILTY - SNDY IN PRT NSO

SND: FN GRND QTZ WELL SORTED HARD CLUST. FSGSYFO FR - GD ODOR SCATT LT - MED BRN SAT STN PR - FR INTRGRAN POR. SHLY IN PART

LST: WHT - CRM FXTAL DNSE BLOCKY OOLITIC IN PART ARENAEOUS MINOR FR INTRPRT POR. NSO

LST: WHT - CRM A. A.





ARENACEOUS NO VIS. POR. NSO

LST: A. A. NO VIS. POR. NSO

RTD = 4640 L

COMMENTS:

4 1/2" PRODUCTION CASING WAS SET TO FURTHER EVALUATE THE

PRODUCTIVITY OF THIS WELL

KEVIN L. KESSLER

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 30758
LOCATION Oakley Ks
FOREMAN Walt Dinkel

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
4-17-11	7158	Steckel-Darney #2	1	14S	32W	Logan

CUSTOMER: Raymond Oil Co, Inc
MAILING ADDRESS:
CITY / STATE / ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
456-T118	Chad Smith		
566	Josh Gudde - Cory	Davis	
528-T127	Miles Skow - Damin	miller	

JOB TYPE Prod-DV-O HOLE SIZE 7 7/8 HOLE DEPTH 4640' CASING SIZE & WEIGHT 4½-10.5#
CASING DEPTH 4638' DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.2 - 12.8 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 42'
DISPLACEMENT 75 BBL DISPLACEMENT PSI MIX PSI RATE 6 BPM

REMARKS: Safety Meeting, rig up to Circ., Cent 1-3-5-7-9-11-53#, DV @ 54
mix 300 sks 60/40 poz, 7½% Salt, 2% Gel, Clear Pump + Lines, Displace 40 BBL
H2O + 35 BBL mud @ 1000#, Landed @ 1500#, released, Pressure
Float Held,
Drop opening tool, open tool, Mixed 420 sks 60/40 poz 8% Gel
¼# Flo-Seal, released Plug + Displace 37 BBL H2O @ 850#
Landed Plug @ 1500#, released Pressure, Held

Cement Did Circ

Thank You
Walt & crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 P	1	PUMP CHARGE	2,950.00	2,950.00
5406	20	MILEAGE	5.00	100.00
1131	300 sks	60/40 poz, Bottom Stage	14.35	4,305.00
1131	450 sks	60/40 poz, Top Stage	14.35	6,457.50
1111	1200#	Salt	.42	504.00
1118 B	3612#	Bentonite	.24	866.88
1107	113#	Flo-Seal	2.66	300.58
4156	1	AFU Float Shoe	287.00	287.00
4129	7	Centralizers	46.00	322.00
4103	1	Basket	261.00	261.00
4283	1	DV Tool	3850.00	3,850.00
5407A	32.25	Ton Mileage Delivery	1.58	1,019.10
		240864		
				21,223.06
		Less 15% Disc		3,183.48
				18,039.58
			SALES TAX	1137.33
			ESTIMATED TOTAL	19,196.92

Ravin 3737

AUTHORIZTION 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

MS Pan JG

TICKET NUMBER 30735
LOCATION Oakley
FOREMAN Fuzzy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-5-11	7158	Steckel - Dacoy #2	1	14	32	Logan

CUSTOMER: Raymond Oil Co.
MAILING ADDRESS:
CITY / STATE / ZIP CODE:

Oakley 20S - 26 - 3W Win

TRUCK #	DRIVER	TRUCK #	DRIVER
566	Calin H.	Josh	
463	Miles S.		

JOB TYPE Surface HOLE SIZE 12¼ HOLE DEPTH 250' CASING SIZE & WEIGHT 8⅝ -24#
CASING DEPTH 247' DRILL PIPE TUBING OTHER
SLURRY WEIGHT 15.2 SLURRY VOL 1.34 WATER gal/sk 5.2 CEMENT LEFT in CASING 15'
DISPLACEMENT 14.7 DISPLACEMENT PSI MIX PSI RATE

REMARKS: safety meeting on L.D Rig #1 used 8⅝ swedge
Mix 175 sks Com 3% cc 2% gel
Displace 14 3/4 BBLS + shut in

Cement did circulate approx 5 BBLS

Thanks Fuzzy crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1025.00	1025.00
5406	20	MILEAGE	5.00	100.00
11045	175	Class A	16.80	2940.00
1102	495#	Calcium chloride	.84	415.80
1118B	330#	Bentonite	.24	79.20
5407	8.23	Ton mileage Delivery	1.58	410.00
		240434		
				4970.00
		less 20% disc		994.00
				3976.00
			SALES TAX	214.34
			ESTIMATED TOTAL	4190.34

Revin 3737

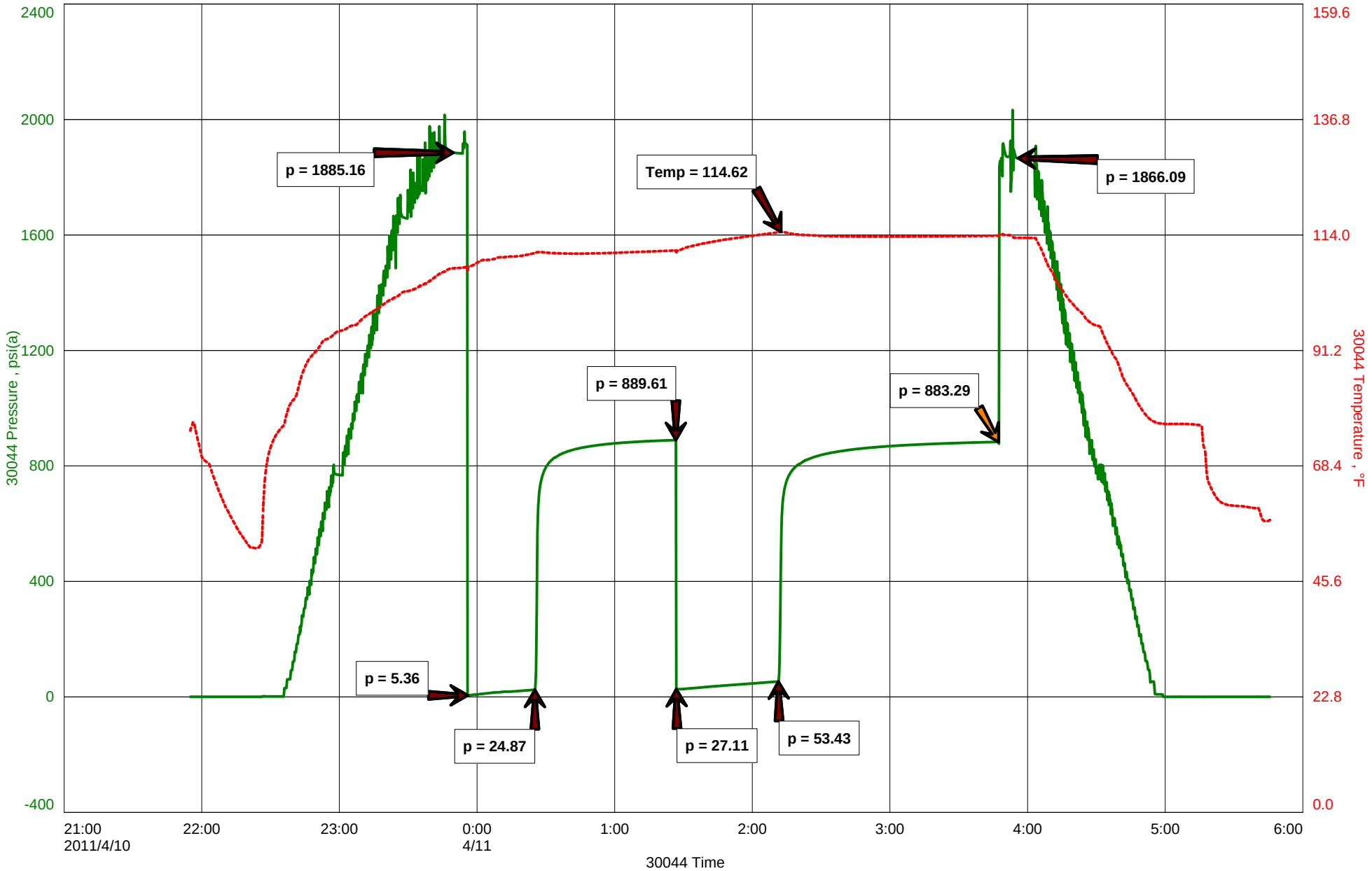
AUTHORIZTION _____ TITLE _____ DATE _____

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 for

RAYMOND OIL COMPANY
DST#1 3940-3970 LSG 35' ZN
Start Test Date: 2011/04/10
Final Test Date: 2011/04/11

STECKEL-DARNEY #2
Formation: DST#1 3940-3970 LSG 35' ZN
Pool: WILDCAT
Job Number: M136

STECKEL-DARNEY #2



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M136
Well Name	STECKEL-DARNEY #2	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3940-3970 LSG 35' ZN	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	Report Date	2011/04/11
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KEVIN L. KESSLER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#1 3940-3970 LSG 35' ZN
Test Purpose (AEUB)	Initial Test

Start Test Date	2011/04/10	Start Test Time	21:55:00
Final Test Date	2011/04/11	Final Test Time	05:47:00
		Well Fluid Type	01 Oil

Gauge Name	30044
Gauge Serial Number	

Test Results

Remarks

RECOVERED:
5' SOCMW 7%OIL, 16% WTR, 77% MUD
100' MW 90% WTR, 10% MUD
105' TOTAL FLUID

CHLOR: 40,000 PPM
RW: .24 @ 58 DEG
PH: 7.0

TOOL SAMPLE: 99% WTR, 1% MUD, LIGHTSCUM OF OIL

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

DRILL-STEM TEST TICKET
FILE: STCKLDRNY2DST1

TIME ON: 2155 (4/10)
TIME OFF: 0547 (4/11)

Company RAYMOND OIL COMPANY — Lease & Well No. STECKEL-DARNEY #2
Contractor L.D. DRLG RIG 1 — Charge to RAYMOND OIL COMPANY
Elevation 2888 KB — Formation LSG 35' ZN — Effective Pay ____ Ft. — Ticket No. M136
Date 04/10/2011 — Sec. 1 — Twp. 14 S — Range 32 W — County LOGAN — State KANSAS
Test Approved By KEVIN L. KESSLER — Diamond Representative MIKE COCHRAN

Formation Test No. 1 — Interval Tested from 3940 ft. to 3970 ft. — Total Depth 3970 ft.
Packer Depth 3935 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 3940 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3922 ft. — Recorder Number 30044 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3967 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 51 — Drill Collar Length 0 ft. — I.D. 2 1/4 in.
Weight 9.1 — Water Loss 6.4 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 1,000 P.P.M. — Drill Pipe Length 3908 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number 1 — Test Tool Length 32 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 30 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: WSB, INC. TO 3 1/2" (NO BB)
2nd Open: WSB AFTER 2 MIN, THEN INC. TO 4" (NO BB)

Recovered 5 ft. of SOCWM 7% OIL, 16% WTR, 77% MUD
Recovered 100 ft. of MW 90% WTR, 10% MUD
Recovered 105 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of PH: 7.0
Recovered ____ ft. of CHLOR: 40,000 PPM
Remarks: RW: .24 @58 °

TOOL SAMPLE: 99% WTR, 1% MUD LIGHT SCUM OF OIL

Price Job	
Other Charges	
Insurance	
Total	

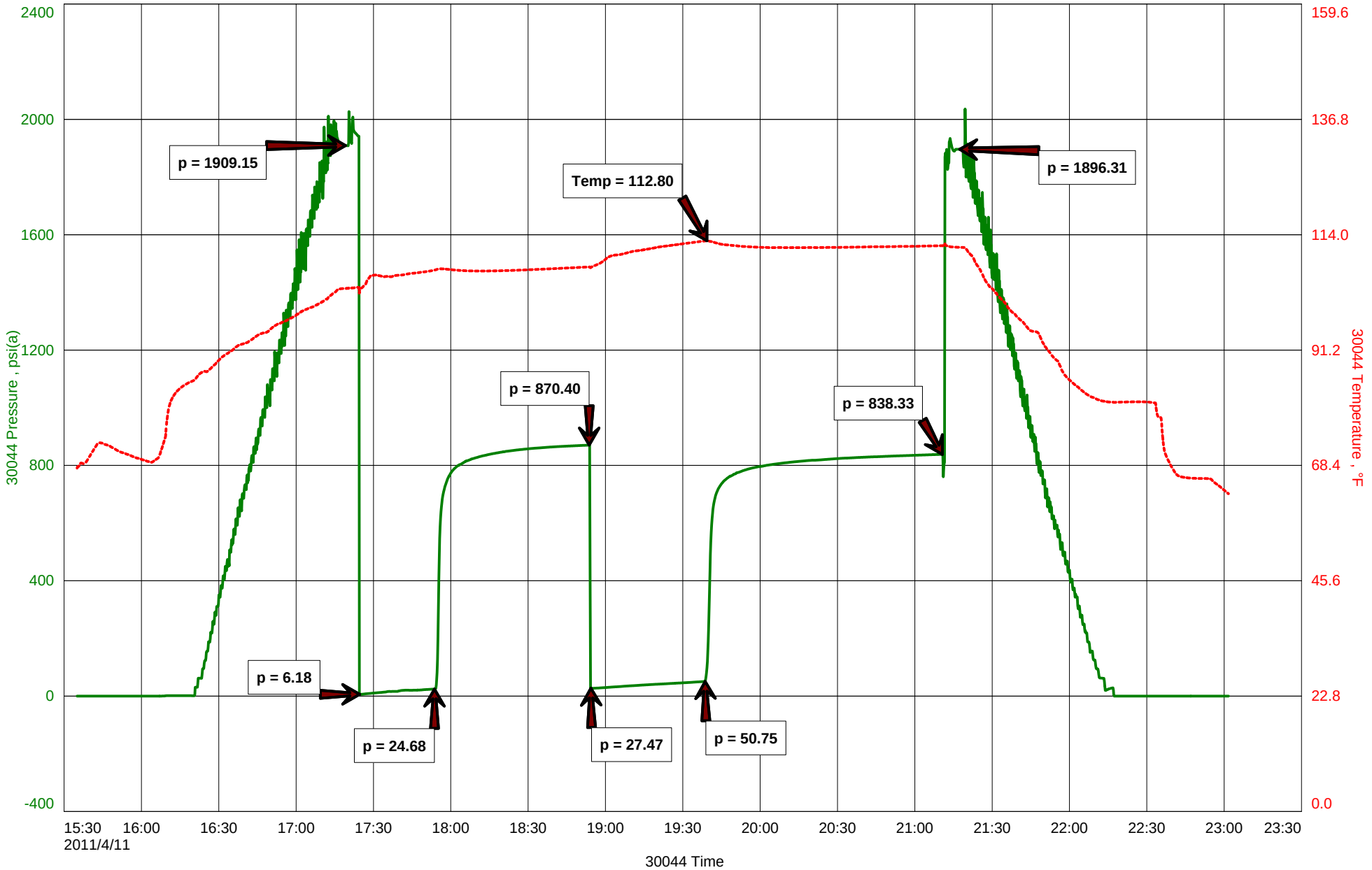
Time Set Packer(s) 12:00A.M. A.M. P.M. — Time Started Off Bottom 3:45 A.M. A.M. P.M. — Maximum Temperature 115

Initial Hydrostatic Pressure ..... (A) 1885 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 5 P.S.I. to (C) 25 P.S.I.
Initial Closed In Period ..... Minutes 60 (D) 890 P.S.I.
Final Flow Period ..... Minutes 45 (E) 27 P.S.I. to (F) 53 P.S.I.
Final Closed In Period ..... Minutes 90 (G) 883 P.S.I.
Final Hydrostatic Pressure ..... (H) 1866 P.S.I.

RAYMOND OIL COMPANY
DST#2 3990-4025 LSG 70-90' ZN
Start Test Date: 2011/04/11
Final Test Date: 2011/04/11

STECKEL-DARNEY #2
Formation: DST#2 3990-4025 LSG 70-90' ZN
Pool: WILDCAT
Job Number: M137

STECKEL-DARNEY #2



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	**Job Number**	M137
Well Name	STECKEL-DARNEY #2	**Representative**	MIKE COCHRAN
Unique Well ID	DST#2 3990-4025 LSG 70-90' ZN	**Well Operator**	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	**Report Date**	2011/04/11
Field	WILDCAT	**Prepared By**	MIKE COCHRAN
Well Type	Vertical	**Qualified By**	KEVIN L. KESSLER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#2 3990-4025 LSG 70-90' ZN
Test Purpose (AEUB)	Initial Test

Start Test Date	2011/04/11	**Start Test Time**	15:35:00
Final Test Date	2011/04/11	**Final Test Time**	23:03:00
		Well Fluid Type	01 Oil

Gauge Name	30044
Gauge Serial Number	

Test Results

Remarks

RECOVERED:
100' MW 60% WTR, 40% MUD W/ A SCUM OF OIL
100' TOTAL FLUID

CHLOR: 30,000 PPM
PH: 8.0
RW: .26 @ 60 DEG

TOOL SAMPLE: 4% OIL, 66% WTR, 30% MUD

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

DRILL-STEM TEST TICKET
FILE: STCKLDRNY2DST2

TIME ON: 1535
TIME OFF: 2303

Company RAYMOND OIL COMPANY — Lease & Well No. STECKEL-DARNEY #2
Contractor L.D. DRLG RIG 1 — Charge to RAYMOND OIL COMPANY
Elevation 2888 KB — Formation LSG 70-90' ZN — Effective Pay ____ Ft. — Ticket No. M137
Date 04/11/2011 — Sec. 1 — Twp. 14 S — Range 32 W — County LOGAN — State KANSAS
Test Approved By KEVIN L. KESSLER — Diamond Representative MIKE COCHRAN

Formation Test No. 2 — Interval Tested from 3990 ft. to 4025 ft. — Total Depth 4025 ft.
Packer Depth 3985 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 3990 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3972 ft. — Recorder Number 30044 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4022 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 55 — Drill Collar Length 0 ft. — I.D. 2 1/4 in.
Weight 9.2 — Water Loss 7.2 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 1,800 P.P.M. — Drill Pipe Length 3958 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number 1 — Test Tool Length 32 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 35 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: WSB, BUILT TO 4 1/4" (NO BB)
2nd Open: VWSB AFTER 1 MIN, THEN INC. TO 4 1/2" (NO BB)

Recovered 100 ft. of MW 60% WTR, 40% MUD W/ A SCUM OF OIL
Recovered 100 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of PH: 8.0
Recovered ____ ft. of CHLOR: 30,000 PPM
Remarks: RW: .26 @ 60 °

TOOL SAMPLE: 4% OIL, 66% WTR, 30% MUD

Price Job	
Other Charges	
Insurance	
Total	

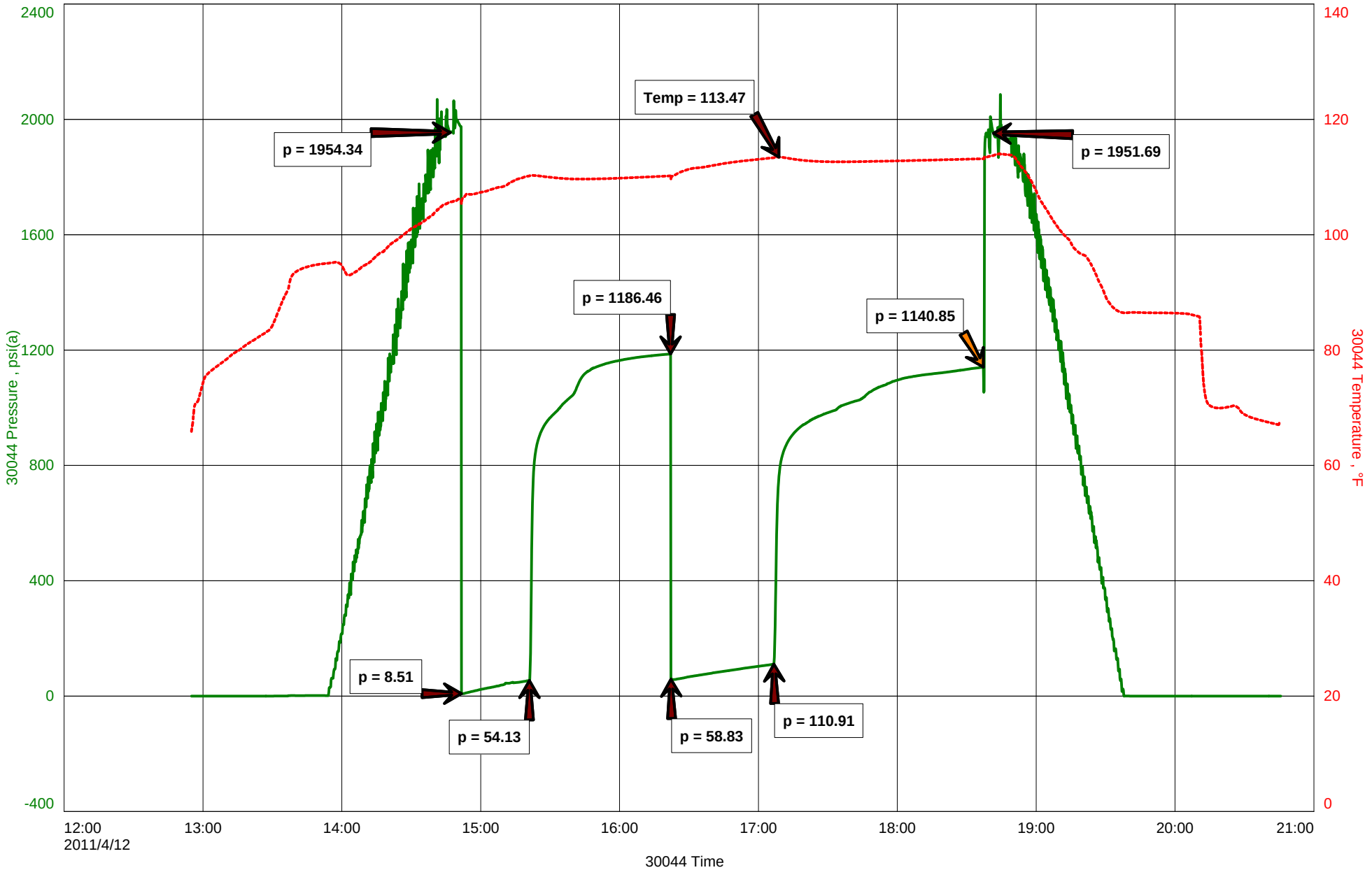
Time Set Packer(s) 5:30 P.M. A.M. P.M. — Time Started Off Bottom 9:15 P.M. A.M. P.M. — Maximum Temperature 113

Initial Hydrostatic Pressure ..... (A) 1909 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 6 P.S.I. to (C) 25 P.S.I.
Initial Closed In Period ..... Minutes 60 (D) 870 P.S.I.
Final Flow Period ..... Minutes 45 (E) 27 P.S.I. to (F) 51 P.S.I.
Final Closed In Period ..... Minutes 90 (G) 838 P.S.I.
Final Hydrostatic Pressure ..... (H) 1896 P.S.I.

RAYMOND OIL COMPANY
DST#3 4075-4145 LSG 140-160' ZN
Start Test Date: 2011/04/12
Final Test Date: 2011/04/12

STECKEL-DARNEY #2
Formation: DST#3 4075-4145 LSG 140-160' ZN
Pool: WILDCAT
Job Number: M138

STECKEL-DARNEY #2



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M138
Well Name	STECKEL-DARNEY #2	Representative	MIKE COCHRAN
Unique Well ID	DST#3 4075-4145 LSG 140-160' ZN	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	Report Date	2011/04/12
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KEVIN L. KESSLER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#3 4075-4145 LSG 140-160' ZN
Test Purpose (AEUB)	Initial Test

Start Test Date	2011/04/12	Start Test Time	12:55:00
Final Test Date	2011/04/12	Final Test Time	20:46:00
		Well Fluid Type	01 Oil

Gauge Name	30044
Gauge Serial Number	

Test Results

Remarks

RECOVERED:
99' DM 100% MUD W/ LIGHT SCUM OF OIL
126' MW 65% WTR, 35% MUD
225' TOTAL FLUID

CHLOR: 30,000 PPM
PH: 7.5
RW: .22 @ 54 DEG

TOOL SAMPLE: DRLG MUD

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

DRILL-STEM TEST TICKET
FILE: STCKLDRNY2DST3

TIME ON: 1255
TIME OFF: 2046

Company RAYMOND OIL COMPANY — Lease & Well No. STECKEL-DARNEY #2
Contractor L.D. DRLG RIG 1 — Charge to RAYMOND OIL COMPANY
Elevation 2888 KB — Formation LSG 140-160,' ZN — Effective Pay ____ Ft. — Ticket No. M138
Date 04/12/2011 — Sec. 1 — Twp. 14 S — Range 32 W — County LOGAN — State KANSAS
Test Approved By KEVIN L. KESSLER — Diamond Representative MIKE COCHRAN

Formation Test No. 3 — Interval Tested from 4075 ft. to 4145 ft. — Total Depth 4145 ft.
Packer Depth 4070 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 4075 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4057 ft. — Recorder Number 30044 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4142 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 48 — 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 2,400 P.P.M. — Drill Pipe Length 4043 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number 1 — Test Tool Length 32 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 70 ft. (32' D.P.) — 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: WSB, BUILT TO 9" (NO BB)
2nd Open: WSB, BUILT TO 10 1/4" (NO BB)

Recovered 99 ft. of DM 100% DM W/ LIGHT SCUM OF OIL
Recovered 126 ft. of MW 65% WTR, 35% MUD
Recovered 225 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of PH: 7.5
Recovered ____ ft. of CHLOR: 30,000 PPM
Remarks: RW: .22 @ 54 °

Price Job	
Other Charges	
Insurance	
Total	

TOOL SAMPLE: DRLG MUD GOOD OIL SPOTS ON TOP OF CIRC SUB

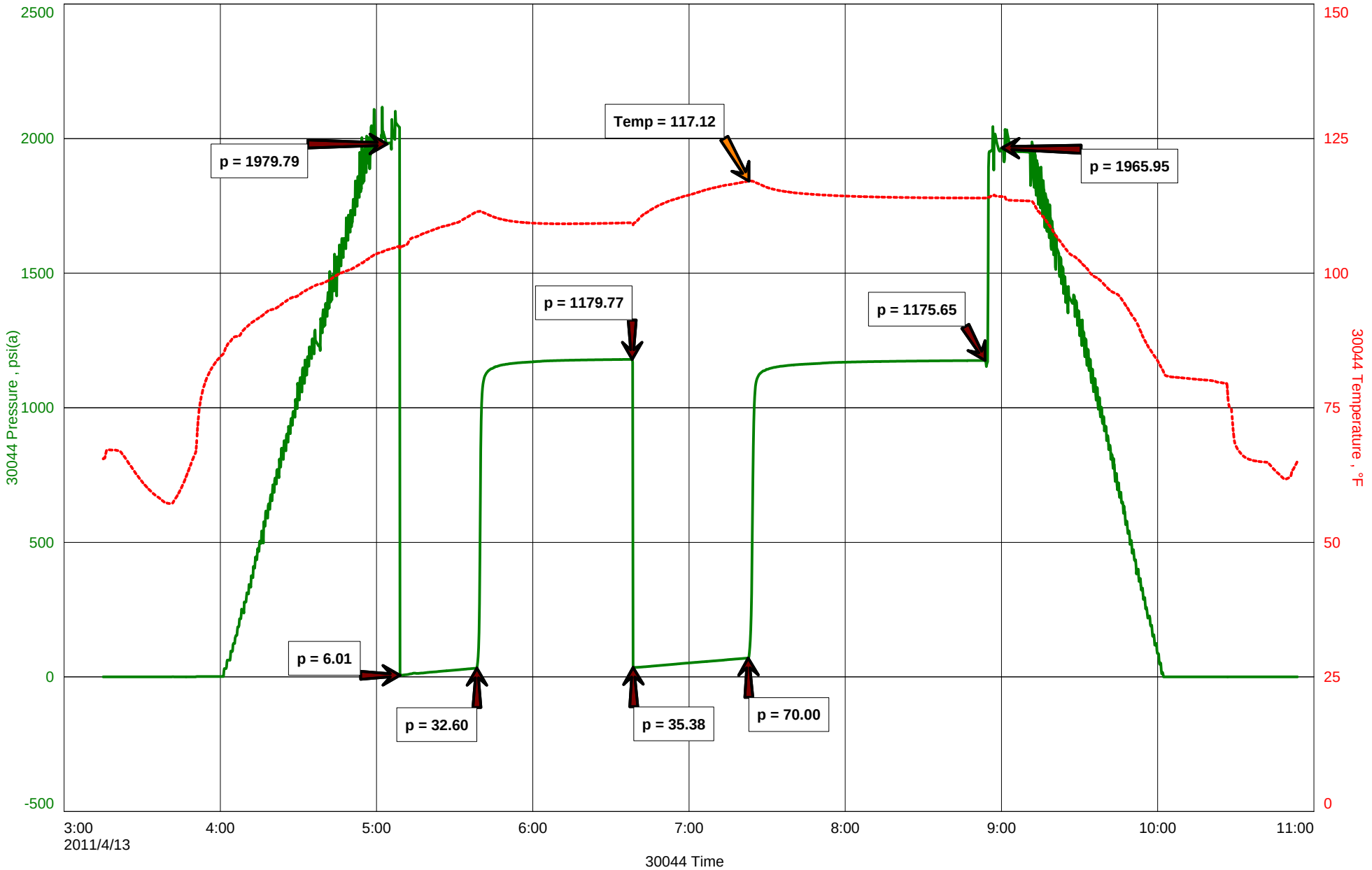
Time Set Packer(s) 2:50 P.M. A.M. P.M. — Time Started Off Bottom 6:35 P.M. A.M. P.M. — Maximum Temperature 113

Initial Hydrostatic Pressure ..... (A) 1954 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 9 P.S.I. to (C) 54 P.S.I.
Initial Closed In Period ..... Minutes 60 (D) 1186 P.S.I.
Final Flow Period ..... Minutes 45 (E) 59 P.S.I. to (F) 111 P.S.I.
Final Closed In Period ..... Minutes 90 (G) 1141 P.S.I.
Final Hydrostatic Pressure ..... (H) 1952 P.S.I.

RAYMOND OIL COMPANY
DST#4 4075-4145 LSG 180' ZN
Start Test Date: 2011/04/13
Final Test Date: 2011/04/13

STECKEL-DARNEY #2
Formation: DST#4 4075-4145 LSG 180' ZN
Pool: WILDCAT
Job Number: M139

STECKEL-DARNEY #2



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	**Job Number**	M139
Well Name	STECKEL-DARNEY #2	**Representative**	MIKE COCHRAN
Unique Well ID	DST#4 4075-4145 LSG 180' ZN	**Well Operator**	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	**Report Date**	2011/04/13
Field	WILDCAT	**Prepared By**	MIKE COCHRAN
Well Type	Vertical	**Qualified By**	KEVIN L. KESSLER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#4 4075-4145 LSG 180' ZN
Test Purpose (AEUB)	Initial Test

Start Test Date	2011/04/13	**Start Test Time**	03:15:00
Final Test Date	2011/04/13	**Final Test Time**	10:55:00
		Well Fluid Type	01 Oil

Gauge Name	30044
Gauge Serial Number	

Test Results

Remarks

RECOVERED:
14' DM
126' MW
140' TOTAL FLUID

CHLOR: 30,000 PPM
PH:7.5
RW: .22 @ 74 DEG

TOOL SAMPLE: MW W/MANY OIL SPECKS

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

DRILL-STEM TEST TICKET
FILE: STCKLDRNY2DST4

TIME ON: 0315
TIME OFF: 1055

Company RAYMOND OIL COMPANY — Lease & Well No. STECKEL-DARNEY #2
Contractor L.D. DRLG RIG 1 — Charge to RAYMOND OIL COMPANY
Elevation 2888 KB — Formation LSG 180' ZN — Effective Pay ____ Ft. — Ticket No. M139
Date 04/13/2011 — Sec. 1 — Twp. 14 S — Range 32 W — County LOGAN — State KANSAS
Test Approved By KEVIN L. KESSLER — Diamond Representative MIKE COCHRAN

Formation Test No. 4 — Interval Tested from 4140 ft. to 4168 ft. — Total Depth 4168 ft.

Packer Depth	4135 ft. Size 6 3/4 in.	Packer depth	NA ft. Size 6 3/4 in.
Packer Depth	4140 ft. Size 6 3/4 in.	Packer depth	NA ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside)	4123 ft.	Recorder Number 30044	Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside)	4165 ft.	Recorder Number 13386	Cap. 3,875 P.S.I.
Below Straddle Recorder Depth	____ ft.	Recorder Number ____	Cap. ____ P.S.I.

Mud Type CHEMICAL	Viscosity 57	Drill Collar Length 0 ft.	I.D. 2 1/4 in.
Weight 9.3	Water Loss 9.6 cc.	Weight Pipe Length 0 ft.	I.D. 2 7/8 in
Chlorides 3,000 P.P.M.		Drill Pipe Length 4108 ft.	I.D. 3 1/2 in
Jars: Make STERLING	Serial Number 1	Test Tool Length 32 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.	Surface Choke Size 1 in.	Bottom Choke Size 5/8 in

Blow: 1st Open: GSB, BUILT TO 6" (NO BB)
2nd Open: VWSB, BUILT TO 5 1/2" (NO BB)

Recovered 14 ft. of DM 100% MUD
Recovered 126 ft. of MW 84% WTR, 16% MUD
Recovered 140 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of PH: 7.5
Recovered ____ ft. of CHLOR: 30,000 PPM
Remarks: RW: .22 @ 74 °

TOOL SAMPLE:

Price Job	
Other Charges	
Insurance	
Total	

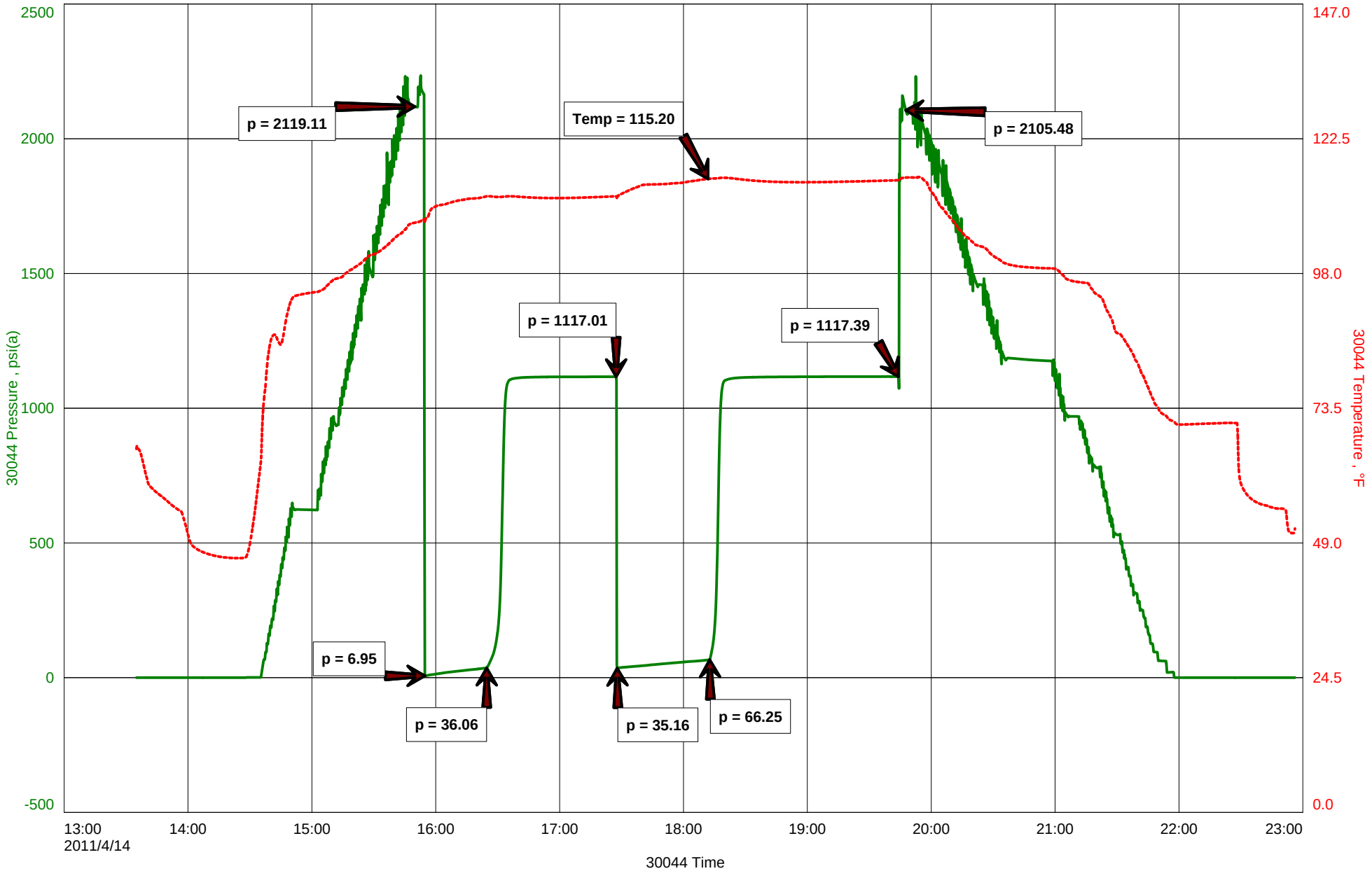
Time Set Packer(s) 5:15 A.M. A.M. P.M. — Time Started Off Bottom 9:00 A.M. A.M. P.M. — Maximum Temperature 117

Initial Hydrostatic Pressure ..... (A) 1980 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 6 P.S.I. to (C) 33 P.S.I.
Initial Closed In Period ..... Minutes 60 (D) 1180 P.S.I.
Final Flow Period ..... Minutes 45 (E) 35 P.S.I. to (F) 70 P.S.I.
Final Closed In Period ..... Minutes 90 (G) 1176 P.S.I.
Final Hydrostatic Pressure ..... (H) 1966 P.S.I.

RAYMOND OIL COMPANY
DST#5 4365-4425 PAW-MYRICKSTZ
Start Test Date: 2011/04/11
Final Test Date: 2011/04/11

STECKEL-DARNEY #2
Formation: DST#5 4365-4425 PAW-MYRICKSTZ
Pool: WILDCAT
Job Number: M140

STECKEL-DARNEY #2



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	**Job Number**	M140
Well Name	STECKEL-DARNEY #2	**Representative**	MIKE COCHRAN
Unique Well ID	DST#5 4365-4425 PAW-MYRICKSTZ	**Well Operator**	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	**Report Date**	2011/04/11
Field	WILDCAT	**Prepared By**	MIKE COCHRAN
Well Type	Vertical	**Qualified By**	KEVIN L. KESSLER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#5 4365-4425 PAW-MYRICKSTZ
Test Purpose (AEUB)	Initial Test

Start Test Date	2011/04/11	**Start Test Time**	13:35:00
Final Test Date	2011/04/11	**Final Test Time**	22:57:00
		Well Fluid Type	01 Oil

Gauge Name	30044
Gauge Serial Number	

Test Results

Remarks

RECOVERED:

- **485' GIP**
- **34' HOCM 30% OIL, 70% MUD**
- **116' MO 85% OIL, 15% MUD**
- **150' TOTALO FLUID**

GRAVITY: 31.6@60DEG

TOOL SAMPLE: 100% OIL

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

DRILL-STEM TEST TICKET
FILE: STCKLDRNY2DST5

TIME ON: 1335
TIME OFF: 2257

Company RAYMOND OIL COMPANY — Lease & Well No. STECKEL-DARNEY #2
Contractor L.D. DRLG RIG 1 — Charge to RAYMOND OIL COMPANY
Elevation 2888 KB — Formation PAW-MYRICSTZ — Effective Pay ____ Ft. — Ticket No. M140
Date 04/14/2011 — Sec. 1 — Twp. 14 S — Range 32 W — County LOGAN — State KANSAS
Test Approved By KEVIN L. KESSLER — Diamond Representative MIKE COCHRAN

Formation Test No. 5 — Interval Tested from 4365 ft. to 4425 ft. — Total Depth 4425 ft.
Packer Depth 4360 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 4365 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4347 ft. — Recorder Number 30044 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4422 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 53 — Drill Collar Length 0 ft. — I.D. 2 1/4 in.
Weight 9.3 — Water Loss 8.0 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 2,500 P.P.M. — Drill Pipe Length 4333 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number 1 — Test Tool Length 32 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 60 ft. (32' D.P.) — 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: WSB, BOB 28 MIN (WS BB)
2nd Open: GSB, 1" RIGHT AWAY, THEN INC. TO BOB 17 MIN. (VWS BB)

Recovered 485 ft. of G.I.P.
Recovered 34 ft. of HOCM 30% OIL, 70% MUD
Recovered 116 ft. of MO 85% OIL, 15% MUD
Recovered 150 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: WEATHER: EXTREME

TOOL SAMPLE: 100%OIL GRAVITY: 31.6 @ 60 DEG

Price Job	
Other Charges	
Insurance	
Total	

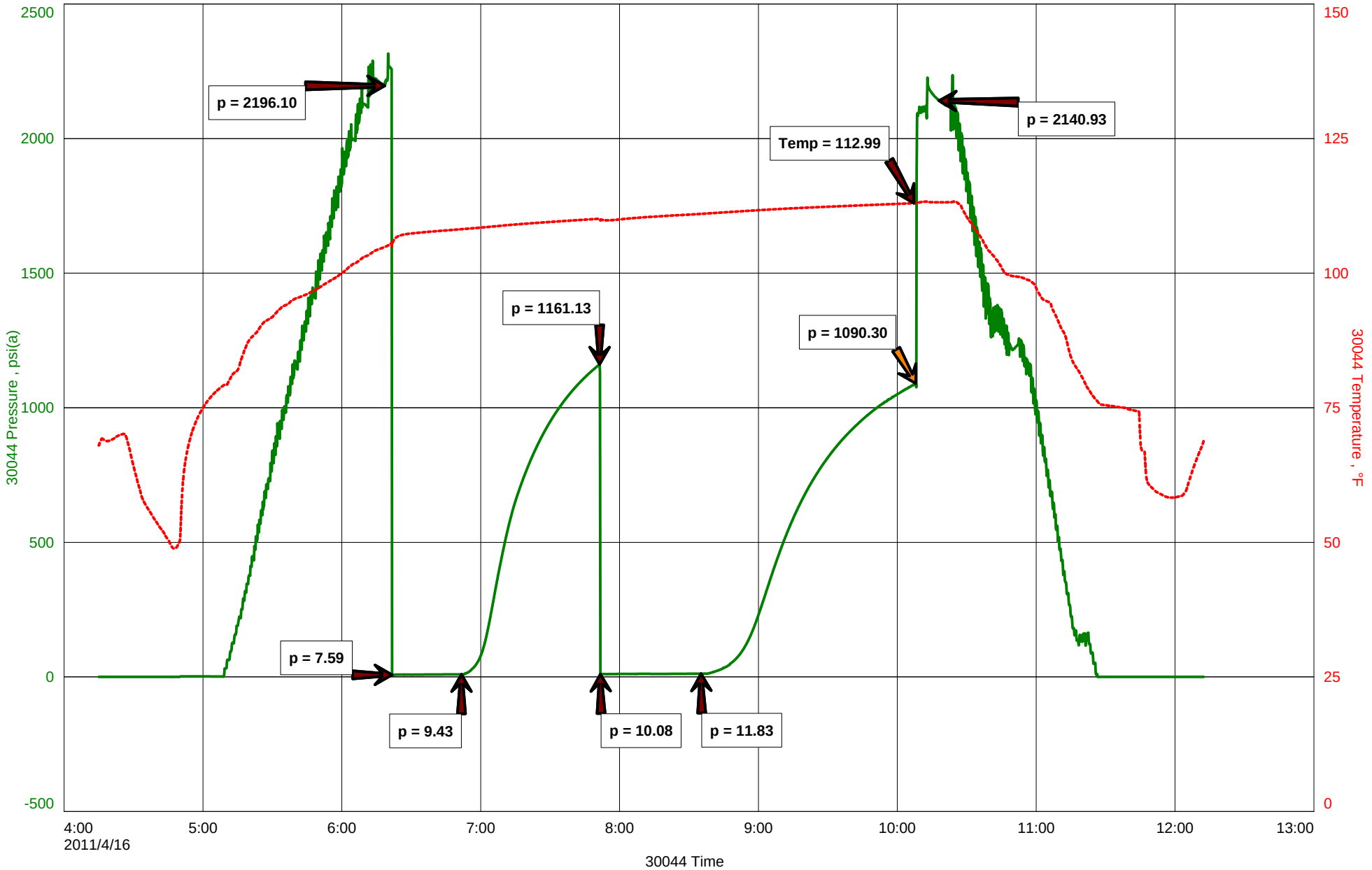
Time Set Packer(s) 4:00 P.M. A.M. P.M. — Time Started Off Bottom 7:30 P.M. A.M. P.M. — Maximum Temperature 115

Initial Hydrostatic Pressure ..... (A) 2119 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 36 P.S.I.
Initial Closed In Period ..... Minutes 60 (D) 1117 P.S.I.
Final Flow Period ..... Minutes 45 (E) 35 P.S.I. to (F) 66 P.S.I.
Final Closed In Period ..... Minutes 90 (G) 1117 P.S.I.
Final Hydrostatic Pressure ..... (H) 2105 P.S.I.

RAYMOND OIL COMPANY
DST#6 4424-4484 FT.SC.-CHER.
Start Test Date: 2011/04/16
Final Test Date: 2011/04/16

STECKEL-DARNEY #2
Formation: DST#6 4424-4484 FT.SC.-CHER.
Pool: WILDCAT
Job Number: M141

STECKEL-DARNEY #2



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M141
Well Name	STECKEL-DARNEY #2	Representative	MIKE COCHRAN
Unique Well ID	DST#6 4424-4484 FT.SC.-CHER.	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	Report Date	2011/04/16
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KEVIN L. KESSLER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#6 4424-4484 FT.SC.-CHER.
Test Purpose (AEUB)	Initial Test

Start Test Date	2011/04/16	Start Test Time	04:15:00
Final Test Date	2011/04/16	Final Test Time	12:13:00
		Well Fluid Type	01 Oil

Gauge Name	30044
Gauge Serial Number	

Test Results

Remarks

RECOVERED:

30' MUD 100% MUD W/ A THICK SCUM OF OIL

30' TOTAL FLUID

TOOL SAMPLE: 1% GAS, 1% OIL, 98% MUD

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

DRILL-STEM TEST TICKET
FILE: STCKLDRNY2DST6

TIME ON: 0415
TIME OFF: 1213

Company RAYMOND OIL COMPANY — Lease & Well No. STECKEL-DARNEY #2
Contractor L.D. DRLG RIG 1 — Charge to RAYMOND OIL COMPANY
Elevation 2888 KB — Formation FT. SCOTT/CHEROKEE — Effective Pay ____ Ft. — Ticket No. M141
Date 04/16/2011 — Sec. 1 — Twp. 14 S — Range 32 W — County LOGAN — State KANSAS
Test Approved By KEVIN L. KESSLER — Diamond Representative MIKE COCHRAN

Formation Test No. 6 — Interval Tested from 4424 ft. to 4484 ft. — Total Depth 4484 ft.
Packer Depth 4419 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 4424 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4406 ft. — Recorder Number 30044 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4481 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 50 — Drill Collar Length 0 ft. — I.D. 2 1/4 in.
Weight 9.4 — Water Loss 8.8 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 3,400 P.P.M. — Drill Pipe Length 4392 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number 1 — Test Tool Length 32 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 60 ft. (31' D.P.) — 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: WSB, BUILT TO 1 1/2" (NO BB)
2nd Open: VVWSB (NO BB)

Recovered 30 ft. of MUD 100% MUD W/ A THICK SCUM OF OIL
Recovered 30 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: WEATHER: BETTER

TOOL SAMPLE: 1% GAS, 1% OIL, 98% MUD

Price Job	
Other Charges	
Insurance	
Total	

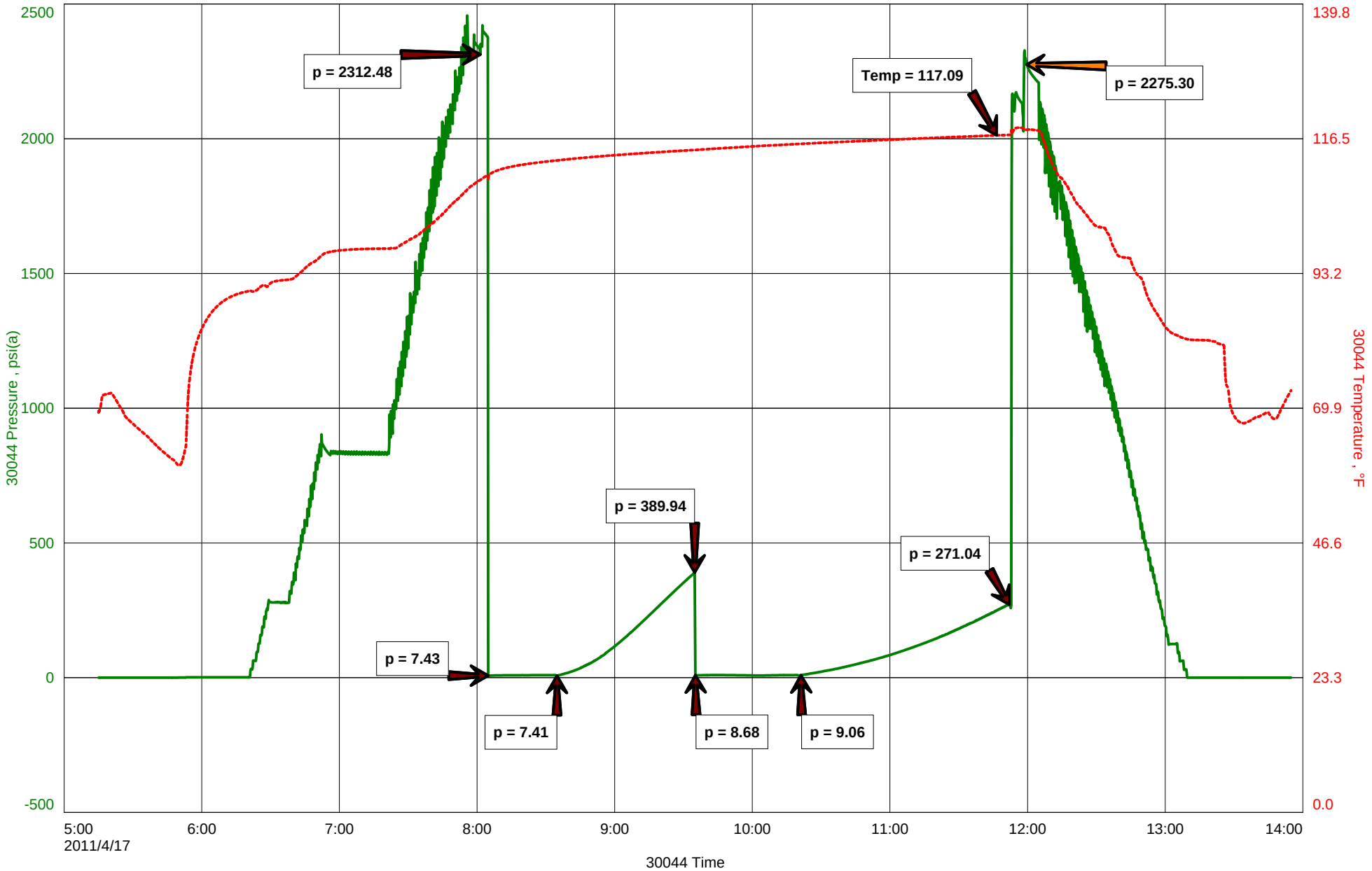
Time Set Packer(s) 6:20 A.M. A.M./P.M. — Time Started Off Bottom 10:05 A.M. A.M./P.M. — Maximum Temperature 113

Initial Hydrostatic Pressure ..... (A) 2196 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 8 P.S.I. to (C) 9 P.S.I.
Initial Closed In Period ..... Minutes 60 (D) 1161 P.S.I.
Final Flow Period ..... Minutes 45 (E) 10 P.S.I. to (F) 12 P.S.I.
Final Closed In Period ..... Minutes 90 (G) 1090 P.S.I.
Final Hydrostatic Pressure ..... (H) 2141 P.S.I.

RAYMOND OIL COMPANY
DST#7 4520-4580 MRW
Start Test Date: 2011/04/17
Final Test Date: 2011/04/17

STECKEL-DARNEY #2
Formation: DST#7 4520-4580 MRW
Pool: WILDCAT
Job Number: M142

STECKEL-DARNEY #2



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	**Job Number**	M142
Well Name	STECKEL-DARNEY #2	**Representative**	MIKE COCHRAN
Unique Well ID	DST#7 4520-4580 MRW	**Well Operator**	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	**Report Date**	2011/04/17
Field	WILDCAT	**Prepared By**	MIKE COCHRAN
Well Type	Vertical	**Qualified By**	KEVIN L. KESSLER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#7 4520-4580 MRW
Test Purpose (AEUB)	Initial Test

Start Test Date	2011/04/17	**Start Test Time**	05:15:00
Final Test Date	2011/04/17	**Final Test Time**	13:56:00
		Well Fluid Type	01 Oil

Gauge Name	30044
Gauge Serial Number	

Test Results

Remarks

RECOVERED:
5' DM
5' TOTAL FLUID

TOOL SAMPLE: DM W/ LIGHT OIL SPOTS

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

DRILL-STEM TEST TICKET
FILE: STCKLDRNY2DST7

TIME ON: 0515
TIME OFF: 1356

Company RAYMOND OIL COMPANY — Lease & Well No. STECKEL-DARNEY #2
Contractor L.D. DRLG RIG 1 — Charge to RAYMOND OIL COMPANY
Elevation 2888 KB — Formation MRW — Effective Pay ____ Ft. — Ticket No. M142
Date 04/17/2011 — Sec. 1 — Twp. 14 S — Range 32 W — County LOGAN — State KANSAS
Test Approved By KEVIN L. KESSLER — Diamond Representative MIKE COCHRAN

Formation Test No. 7 — Interval Tested from 4520 ft. to 4580 ft. — Total Depth 4580 ft.

Packer Depth 4515 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 4520 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4507 ft. — Recorder Number 30044 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4577 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 52 — Drill Collar Length 0 ft. — I.D. 2 1/4 in.
Weight 9.5 — Water Loss 9.6 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 4,400 P.P.M. — Drill Pipe Length 4488 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number 1 — Test Tool Length 32 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 60 ft. (32' D.P.) — 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: WSB, INC. TO 1" IN 20 MIN, THEN DIMINISHED TO A WSB (NOBB)
2nd Open: A FEW BUBBLES ON TOOL OPEN, THEN A VVWSB FOR 7 MIN, THEN DEAD (NO BB)

Recovered 5 ft. of DM
Recovered 5 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: ____

TOOL SAMPLE: DM W/ LIGHT OIL SPOTS

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 8:00 A.M. A.M. P.M. — Time Started Off Bottom 11:45 A.M. A.M. P.M. — Maximum Temperature 117

Initial Hydrostatic Pressure ..... (A) 2312 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 7 P.S.I.
Initial Closed In Period ..... Minutes 60 (D) 390 P.S.I.
Final Flow Period ..... Minutes 45 (E) 9 P.S.I. to (F) 9 P.S.I.
Final Closed In Period ..... Minutes 90 (G) 271 P.S.I.
Final Hydrostatic Pressure ..... (H) 2275 P.S.I.