



KANSAS CORPORATION COMMISSION 1062372
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: Ted McHenry
Phone: (316) 267-4214
CONTRACTOR: License # 6039
Name: L. D. Drilling, Inc.
Wellsite Geologist: Kim Shoemaker
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>5/17/2011</u>	<u>5/28/2011</u>	<u>5/28/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-109-21003-00-00

Spot Description: _____

SE NE NW NW Sec. 1 Twp. 14 S. R. 32 East West
550 Feet from North / South Line of Section
1169 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Logan

Lease Name: STECKEL/DARNEY Well #: 3

Field Name: _____

Producing Formation: NA

Elevation: Ground: 2862 Kelly Bushing: 2866

Total Depth: 4675 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: _____ 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: 16000 ppm Fluid volume: 770 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 Gantner Date: 09/07/2011



1062372

Operator Name: Raymond Oil Company, Inc. Lease Name: STECKEL/DARNEY Well #: 3
 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Neutron Dual Induction	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>B/Anh</td> <td>2380</td> <td>486</td> </tr> <tr> <td>Heeb</td> <td>3859</td> <td>-993</td> </tr> <tr> <td>Stark</td> <td>4149</td> <td>-1283</td> </tr> <tr> <td>Marm</td> <td>4260</td> <td>-1394</td> </tr> <tr> <td>Cher</td> <td>4443</td> <td>-1577</td> </tr> <tr> <td>Miss</td> <td>4575</td> <td>-1709</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	B/Anh	2380	486	Heeb	3859	-993	Stark	4149	-1283	Marm	4260	-1394	Cher	4443	-1577	Miss	4575	-1709
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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	12.25	8.625	23	261	Class A	175	3%CC,2%Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water 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 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

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

TICKET NUMBER 30764
LOCATION Oakley
FOREMAN Kelly Gabel
Walt Dinkel

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-17-11	7158	Steckel/Darney #3	1	14S	30	Lane

CUSTOMER		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS		463	Miles S		
CITY		556	Danun M		
STATE	ZIP CODE		Josh G		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 264 CASING SIZE & WEIGHT 8 5/8 24 #
 CASING DEPTH 314 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 152 SLURRY VOL _____ WATER gal/sk 6.5 CEMENT LEFT in CASING 15'
 DISPLACEMENT 15 1/2 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting rig up to 8 5/8 to get circulation. Mix
175 SKS of Com. 300cc 20 gel. displace with 15 1/2 bbl H2O.
Wash up. Rig down & leave location.

Cement did circulate

*Thanks
Kelly & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015		PUMP CHARGE	10.25	1025 ⁰⁰
5406	20	MILEAGE	50.00	1000 ⁰⁰
11045	1755 SKS	class A cement	1680 ⁰⁰	1680 ⁰⁰
1102	495 #	CC	.84	415 ⁸⁰
1183	330 #	gel (contenite)	.24	79 ²⁰
5407	8.23	- for mileage delivery	1.58	410 ⁰⁰
			Subtotal	3710 ⁰⁰
			Loss 159 ⁰⁰	556 ⁸⁰
				3153 ²⁰
			SALES TAX	
			ESTIMATED TOTAL	

Ravin 3737
AUTHORIZATION RH W. L. TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 28021
LOCATION Oakley Ks
FOREMAN Walt Dunkel

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	
5-28-11		Steckel-Durney #3	1	14S	32U	Logan	
CUSTOMER Raymond Oil Co			Oakley 20S 2E 2N 3/4 W	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				463	Josh Guddo		
CITY							
STATE							
ZIP CODE							

JOB TYPE PTA-0 HOLE SIZE 7 7/8 HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 XH TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, Rig up on L-D Dels, Plug as ordered

25 SKS @ 2360'
100 SKS @ 1220'
40 SKS @ 310
10 SKS @ 40
30- SKS in R.H.

*Thank You
Walt + crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1,250 ⁰⁰	1,250 ⁰⁰
5406	20	MILEAGE	5 ⁰⁰	100 ⁰⁰
1131	205 SKS	60/40 per	14 ³⁵	2941 ⁷⁵
1118B	704 #	Bentonite	.24	168 ⁹⁶
1107	51 #	Flo-Seal	2 ⁶⁶	135 ⁶⁶
4432	1	8 5/8 Wooden Plug	96 ⁰⁰	96 ⁰⁰
5407	8.81	Tax Mileage Delivery	158	410 ⁰⁰
				5,102 ³⁷
		Less 15% Disc		- 765 ³⁶
				4,337 ⁰¹
		7.8	SALES TAX	221 ⁶⁰
			ESTIMATED TOTAL	4,558 ⁶¹

Ravin 3737

AUTHORIZATION [Signature] TITLE Tool Pusher 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.

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>RAYMOND OIL COMPANY, INC.</u>	ELEVATIONS
LEASE <u>*3 STECKEL DARNEY</u>	KB <u>2866</u>
FIELD <u>MAURICE NORTHEAST</u>	DF _____
LOCATION <u>550' FNL & 1169' FNL</u>	GL <u>2861</u>
SEC <u>1</u> TWP <u>14s</u> RGE <u>32W</u>	Measurements Are All From <u>2866 KB</u>
COUNTY <u>LOGAN</u> STATE <u>KANSAS</u>	CASING SURFACE <u>8 1/2" @ 261'</u>
DRILLER <u>L. D. DRILLING, INC.</u>	PRODUCTION _____
DATE <u>5-17-11</u> TO <u>5-28-11</u>	ELECTRICAL SURVEY <u>DUAL IND., DENEG-N.</u>
RTD. <u>4675</u> TO <u>4675</u>	
MUD UP <u>3400</u> TO E MUD <u>CHEMICAL</u>	

SAMPLES SAVED FROM 3450 TO 4675

DRILLING TIME KEPT FROM 3450 TO 4675

SAMPLES EXAMINED FROM 3450 TO 4675

GEOLOGICAL SUPERVISION FROM 3600 TO 4675

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES	
ANHYDRITE	2360 - 506	2358 - 508	
B/ANH.	2381 - 485	2382 - 484	
STOTLER	3510 - 644	3510 - 644	
HEEBNER	3859 - 993	3859 - 993	
LANSING	3904 - 1038	3903 - 1037	
STARK	4148 - 1282	4147 - 1281	
MARMATON	4260 - 1394	4258 - 1392	
FORT SCOTT	4416 - 1550	4412 - 1546	
CHEROKEE	4443 - 1527	4440 - 1524	
MISSISSIPPI	4572 - 1706	4575 - 1709	

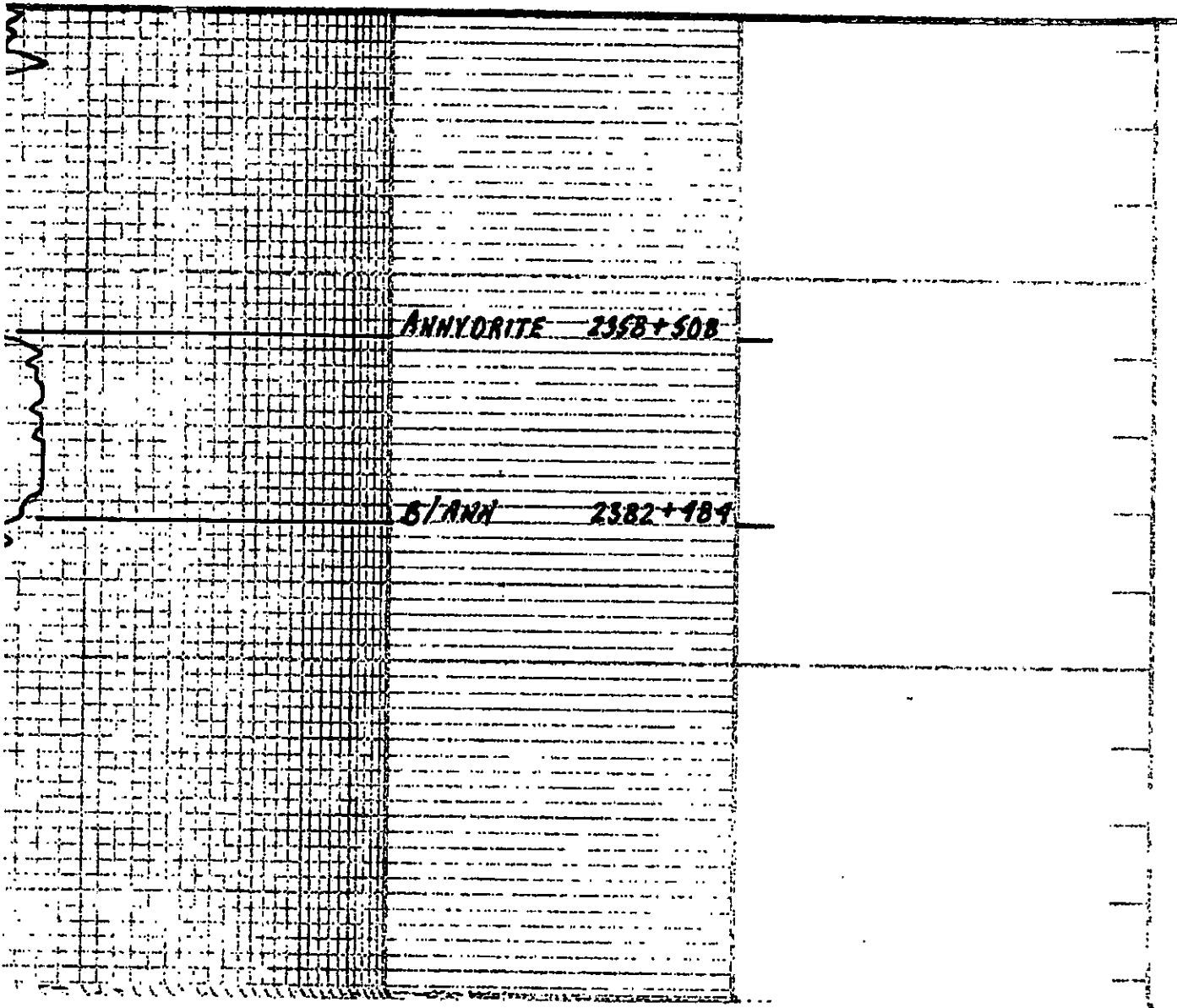
API: 15-109-21003

LEGEND

Gravel	Shell	Sandstone	Shale	Deep sh	Limestone	Oil	Gyp	Dolomite

DRILLING TIME IN MINUTES PER FOOT Note: if Penetration Increases	SAMPLE DESCRIPTIONS	REMARKS			
<table border="1"><tr><td>15"</td><td>20"</td><td>25"</td></tr></table>	15"	20"	25"		
15"	20"	25"			

V



V. O. 3580
VLS:30 WT:19.3
WL: GNL: 23000

Samples are lagged

Samples poor Rd. G. G. sh
T. ls.

36. L. G. G. Silty - Silty

35. L. G. Silty Foss

34. G. G. Silty

STOTLER 3510-611

33. G. G. Silty Foss

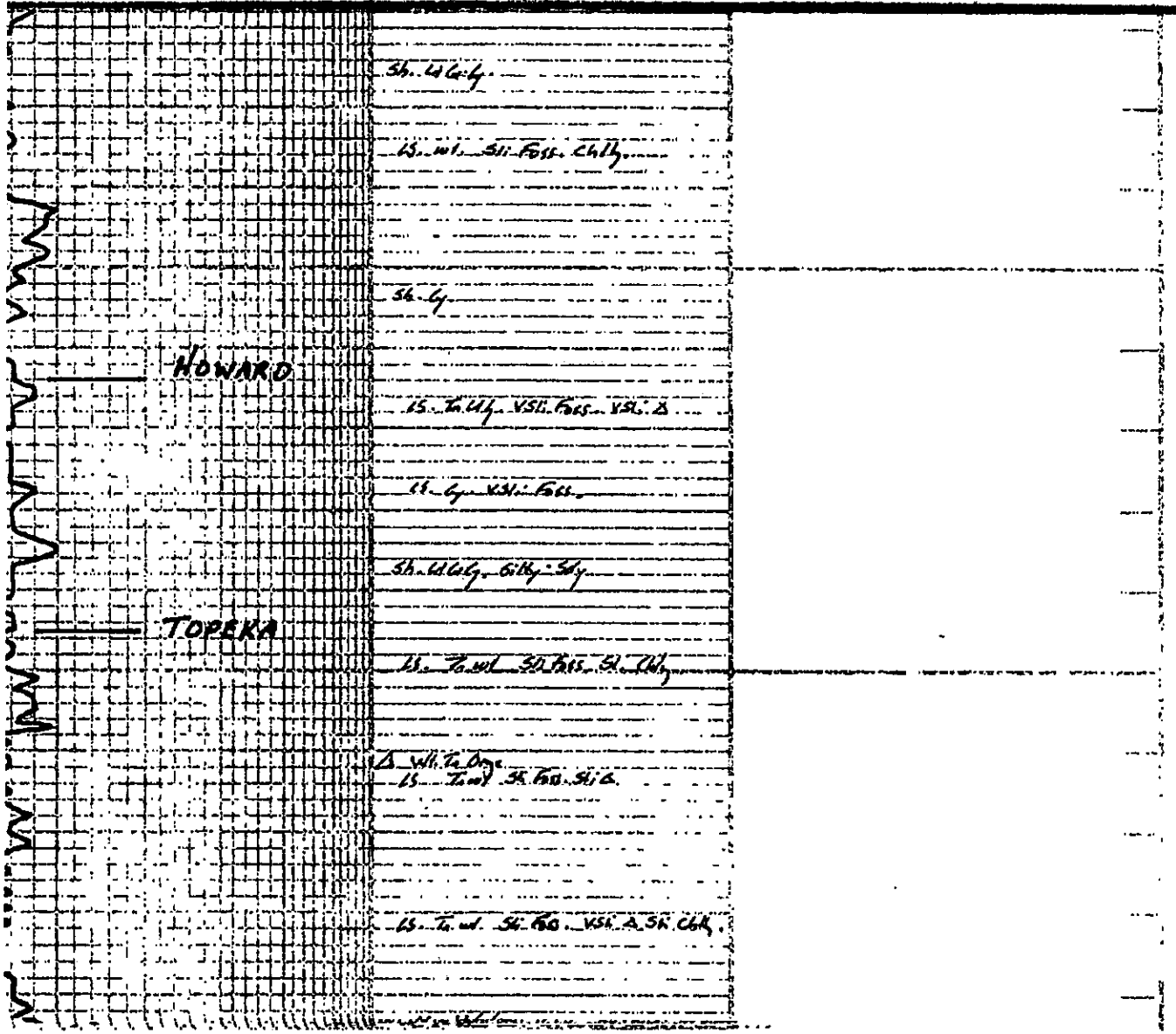
32. L. G. G.

31. G. G. Silty Foss w/ DR. G. Foss

30. L. G. G.

29. T. L. G. Silty Foss

28. G. G. Silty Foss



HOWARD

TOPEKA

Sh. ls. G. l.

ls. wt. Sil. Foss. Chl.

Sh. G.

ls. To. Uq. V. Sil. Foss. V. Sil. D.

Cl. G. V. Sil. Foss.

Sh. ls. G. l. G. l. G. l.

ls. To. wt. Sil. Foss. Sil. Chl.

ls. V. Sil. To. D. G. l. G. l. G. l. G. l.

ls. To. wt. Sil. Foss. V. Sil. D. Sil. Chl.

63. 7.9.10

Sh. 14. 61.
63. 7.9.10. Calcutta.

63. 7.9.10. Calcutta.

63. 7.9.10. Calcutta.

63. 7.9.10. Calcutta.

63. 7.9.10. Calcutta.

Sh. 14. 61.

63. 7.9.10. Calcutta.

63. 7.9.10. Calcutta.

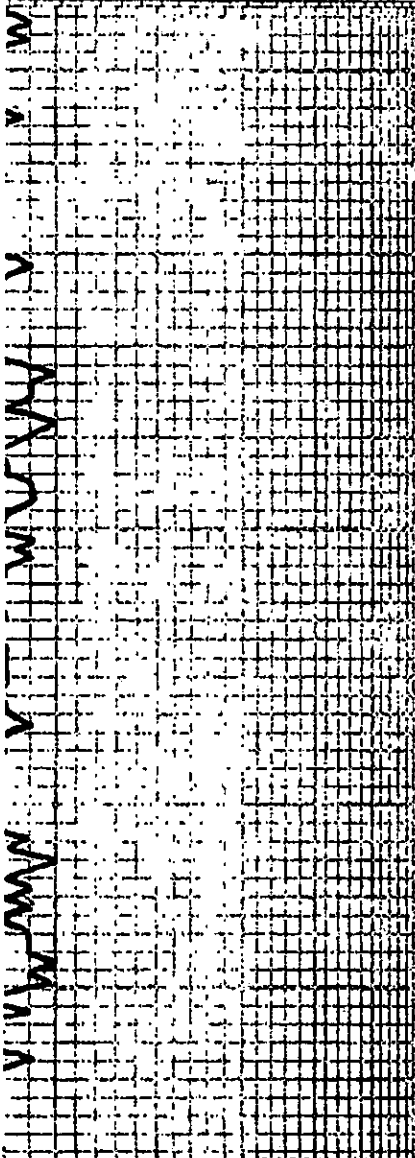
Sh. 14. 61.

63. 7.9.10. Calcutta.

Sh. 14. 61.

63. 7.9.10. Calcutta.

63. 7.9.10. Calcutta.



A. wt. 14g.
 B. T. wt. 4. K. 1/2 in. Si. F. 1/2 in. S. 1/2 in.
 C. wt. 14g. F. 1/2 in.
 D. T. wt. 4. K. 1/2 in. F. 1/2 in. S. 1/2 in. Ch. 1/2 in.
 E. T. wt. 4. K. 1/2 in. F. 1/2 in. S. 1/2 in.

HEEBNER 3859-993

VIS: 18 WTS: 8.9
 WL: 6.1 CHL: 1400

A. wt. 14g.
 B. wt. 13.5g. F. 1/2 in.
 C. T. wt. 4. K. 1/2 in. F. 1/2 in. S. 1/2 in. Δ
 D. wt. 14g. F. 1/2 in. S. 1/2 in. Ch. 1/2 in.
 E. T. wt. 4. K. 1/2 in.

LANSING 3903-1037

A. wt. 14g. F. 1/2 in.
 B. T. wt. 4. K. 1/2 in. F. 1/2 in. S. 1/2 in. Ch. 1/2 in.
 C. T. wt. 4. K. 1/2 in.
 D. T. wt. 4. K. 1/2 in. S. 1/2 in. Ch. 1/2 in.
 E. Blue-G. S.
 A. P. 1/2 in.
 B. T. wt. 4. K. 1/2 in. F. 1/2 in. S. 1/2 in. Ch. 1/2 in.
 C. OK. P. 1/2 in. S. 1/2 in. Ch. 1/2 in. No. 1000.

DST

15. wt. 64g. 58. Foss. VSH. Chly.

15. To 64g. 45.6. Foss. S.S.A.

15. To 64g. VSH. A. S.S. Calcite.

15. To 64g. S.S. Foss. S.S.A. P.S. Calcite
Sph. P. S.S. V.S.S. P. T. Calc. P. S.S. P. Calc. P. Calc.

15. To 64g. VSH. Foss.

15. To 64g. VSH. Foss. S.S.A.

15. To 64g. S.S. Foss. S.S.A. P.S. Calcite
No Oil (4020)

15. To 64g. S.S. Foss. S.S.A. P.S. Calcite

15. wt. 38. Foss.

15. 64g. D.O.

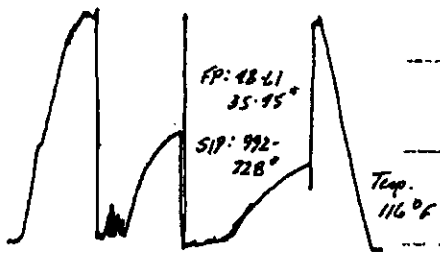
15. 64g. D.O.

MUNICK CREEK 4128-4196
Sh. Black Sand (1700)

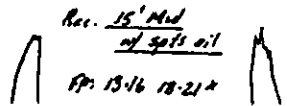
15. To 64g. S.S. Foss. S.S.A. P.S. Calcite
No Oil (4020)

15. 64g. D.O.

DST. (1) 3973-3994
 1st open: 5/16" ID, 2" Blow clear. died 24 mm
 2nd open: No Blow. Pushed Tool, few bubbles
 30. 60. 45. 90
 Rec. 35' Mud



DST. (2) 4120-4125
 1st open: Blow built to 1 1/2"
 2nd open: few bubbles, - No Blow
 30. 60. 45. 90



Sp. 13-16 18-21*
511-896-892*

Temp.
115°F

36. 214.6

36. wt. 74.001. 30. 506. 8. 46. 8
Br Sp. 1. 54. VSSRO Fr. Dist. Fl. 100.0
NO. 100.0

37. wt. 214. VSS. Pass. DM.

38. 214.6
38. Be. Dist. VSS. Pass.

39. 4.6. Salt. Gung.

39. wt. 214.6. Cl. VSS. Pass.

40. 214.6. VSS. Pass. DM.

VIS 551 WT 193
WU 88 CW 2700

41. 214.6

42. 4.6. VSS. A. VSS. Pass.

43. 4.6. Cl. VSS. Pass.

STARK 4197-1281

44. 214.6. (214.6)
44. 214.6. VSS. Pass.

45. 4.6. Salt. Gung.

45. wt. 74.001. 30. 506. 8. 46. 8
Br. Dist. Fl. 100.0. VSS. Pass. DM.
Co. 100.0. Fr. 100.0. (4170.75)

46. 4.6. DM.

HUSBRUCKNEY

47. 214.6

48. 214.6. VSS. Pass.

4186

-1820-50-074

13. To. H. Co. SIC. Pass. SIC. A. R. 48
Do. Co. May. Sp. G. V. S. S. P. (By. O. P.) No. P. 10. R. 10. (4320)

15. To. H. Co. V. S. A. Pass. V. S. A. Co. H. Co.
Do. Co. May. Sp. G. V. S. S. P. (By. O. P.) No. P. 10. R. 10. (4320)

BK 4220-1354

Sh. G.
15. wt. Ch. G.

15. wt. Ch. G. Sh. Ch. G.

VIS: 53 WT: 593
WL: 18.2 CHL: 2080

Sh. G. Co. Sh. G. Co.

Sh. G. Co. Sh. G. Co.

MARMATON 4258-1392

15. wt. Ch. G. V. S. S. P. (By. O. P.) No. P. 10. R. 10. (4320)

Sh. G.

Sh. G.

15. wt. Ch. G. V. S. S. P. (By. O. P.) No. P. 10. R. 10. (4320)

15. wt. Ch. G.

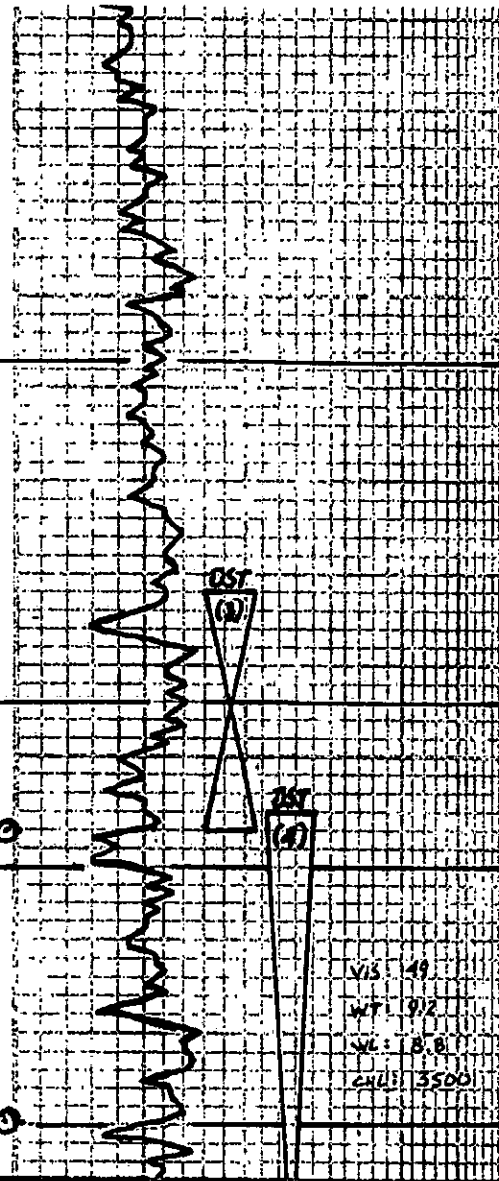
Sh. G.

15. wt. Ch. G. V. S. S. P. (By. O. P.) No. P. 10. R. 10. (4320)

15. wt. Ch. G. V. S. S. P. (By. O. P.) No. P. 10. R. 10. (4320)

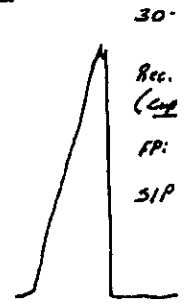


4400



44. int. V.S.P. Poss. S.R. Cally.
 46. by Gm.
 47. by Gm.
 48. To H.P. out. Dm.
 49. by V.S. Cally.
 50. by Gm.
PAWNEE 4357-1491
 51. int. by V.S. Poss. S.R. Cally.
 52. by Gm.
 53. OK by V.S. Fall.
 54. Blk. lead. at 100 ft. G. Dm.
 55. by Gm. Silty
MYRICK STATION 4394-1528
 56. To H.P. by V.S. Poss. S.R. Cally. P.P. P.P.
 At 500 ft. V.S.P. Dull. (1000)
 57. Blk. lead.
FORT SCOTT 4412-1546
 58. To H.P. by V.S. Poss. S.R. Cally. P.P. P.P.
 At 500 ft. V.S.P. Dull. (1000)
 59. by Gm. Silty
 60. by Gm. Silty
CHEROKEE 4410-1574
 61. To H.P. by V.S. Poss. S.R. Cally. P.P. P.P.
 At 500 ft. V.S.P. Dull. (1000)
 62. by Gm. Silty

DST (3) 43
 1st DOWN: 1/4" Blow
 2nd DOWN: No Blow



VIS: 49
 WT: 912
 WL: 8.8
 CUL: 3500



1. VSSPD No. Floor (2410) No. of
 15. wt. VSSPD
 16. VSSPD No. Floor No. of Floor (4966)
 17. VSSPD No. Floor No. of Floor (4966)
 18. VSSPD No. Floor No. of Floor (4966)
 19. VSSPD No. Floor No. of Floor (4966)

DST (4) 4406-4512

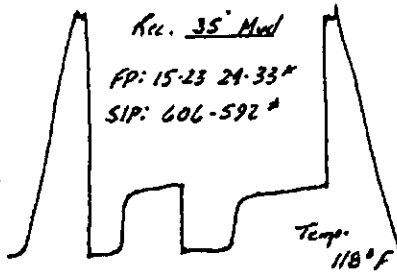
1st OPEN: Blow built to 1 1/4"
 2nd OPEN: No Blow, 1/4" blow @ end of open.

30 · 60 · 95 · 90

Rec. 35' Mud

FP: 15-23 24-33"

SIP: 606-592 #



JOHNSON 4482-1616

15. wt. VSSPD No. Floor (4966)
 16. VSSPD No. Floor No. of Floor (4966)
 17. VSSPD No. Floor No. of Floor (4966)
 18. VSSPD No. Floor No. of Floor (4966)

DST (5) 4509-4575

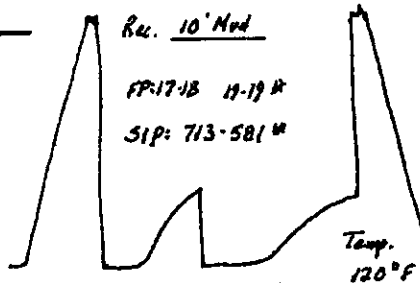
1st OPEN: Blow built to 1/2"
 2nd OPEN: No Blow

30 · 60 · 95 · 90

Rec. 10' Mud

FP: 17-18 19-19"

SIP: 713-581 #



MORROW 4519-1698

15. wt. VSSPD No. Floor (4966)
 16. VSSPD No. Floor No. of Floor (4966)
 17. VSSPD No. Floor No. of Floor (4966)
 18. VSSPD No. Floor No. of Floor (4966)

19. VSSPD No. Floor No. of Floor (4966)

20. VSSPD No. Floor No. of Floor (4966)

21. VSSPD No. Floor No. of Floor (4966)

22. VSSPD No. Floor No. of Floor (4966)

23. VSSPD No. Floor No. of Floor (4966)

MISSISSIPPI 4572-1706

15. wt. VSSPD No. Floor (4966)
 16. VSSPD No. Floor No. of Floor (4966)
 17. VSSPD No. Floor No. of Floor (4966)
 18. VSSPD No. Floor No. of Floor (4966)

WU 1003 CWU 1000

el. col. col. 7000 Chlgy

66. H. g. ut. col. Chlgy

66. Tally. col. Si. S.

B. g. Du. S. S. A.

66. T. g. col. V. S. i. S. i. Chlgy

66. T. v. S. i. Chlgy

66. H. g. Du.

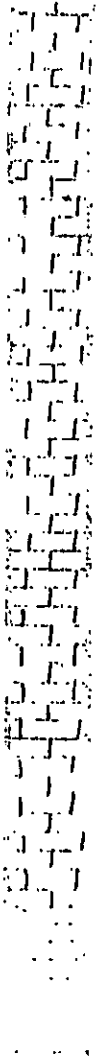
A. W. H.

66. T. H. g. Du.

4600

4675-1809

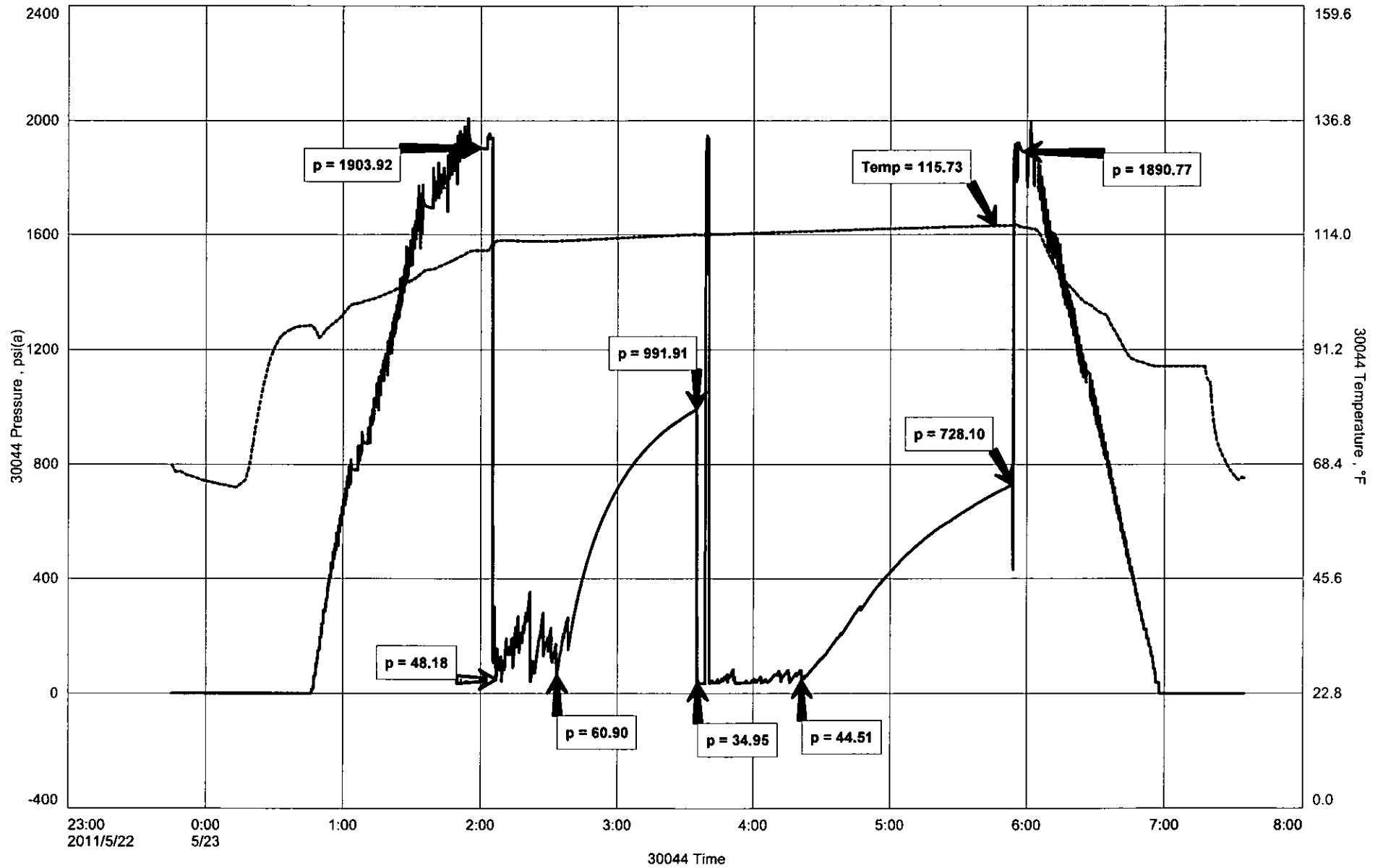
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RAYMOND OIL COMPANY
DST#1 L/KC 70'
Start Test Date: 2011/05/22
Final Test Date: 2011/05/23

STECKEL-DARNEY #3
Formation: DST#1 L/KC 70'
Pool: WILDCAT
Job Number: M162

STECKEL-DARNEY #3



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M162
Well Name	STECKEL-DARNEY #3	Representative	MIKE COCHRAN
Unique Well ID	DST#1 L/KC 70'	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	Report Date	2011/05/23
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 L/KC 70'		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/05/22	Start Test Time	23:45:00
Final Test Date	2011/05/23	Final Test Time	07:35:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:
35' DM
35' TOTAL FLUID

TOOL SAMPLE: DM W/ A STRONG GASSY ODOR



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STCKL-DRNY3DST1

TIME ON: 2345 (05/22)

TIME OFF: 0735 (05/23)

Company RAYMOND OIL COMPANY Lease & Well No. STECKEL-DARNEY #3
Contractor L.D. DRLG RIG 1 Charge to RAYMOND OIL COMPANY
Elevation 2866 KB Formation LKC 70' Effective Pay _____ Ft. Ticket No. M162
Date 05/22/2011 Sec. 1 Twp. 14 S Range 32 W County LOGAN State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3973 ft. to 3994 ft. Total Depth 3994 ft.

Packer Depth 3968 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 3973 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3960 ft. Recorder Number 30044 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3991 ft. Recorder Number 13386 Cap. 3,875 P.S.I.

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

Mud Type CHEM Viscosity 45 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 1,400 P.P.M. Drill Pipe Length 3946 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 21 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, INC. TO 2" IN 1 MIN, THEN DIMINISHED UNTIL DEAD AT 24 MIN (NO BB)

2nd Open: NO BLOW. FLUSHED TOOL, GOT A FEW BUBBLES, BUT THEN NO HELP (NO BB)

Recovered 35 ft. of DM

Recovered 35 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: TOOL SLID 8-10 FOOT

TOOL SAMPLE: DM W/STRONG GASSY ODOR

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 2:15 A.M. A.M. Time Started Off Bottom 6:00 A.M. A.M. Maximum Temperature 116
P.M. P.M.

Initial Hydrostatic Pressure..... (A) 1904 P.S.I.

Initial Flow Period..... Minutes 30 (B) 48 P.S.I. to (C) 61 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 992 P.S.I.

Final Flow Period..... Minutes 45 (E) 35 P.S.I. to (F) 45 P.S.I.

Final Closed In Period..... Minutes 90 (G) 728 P.S.I.

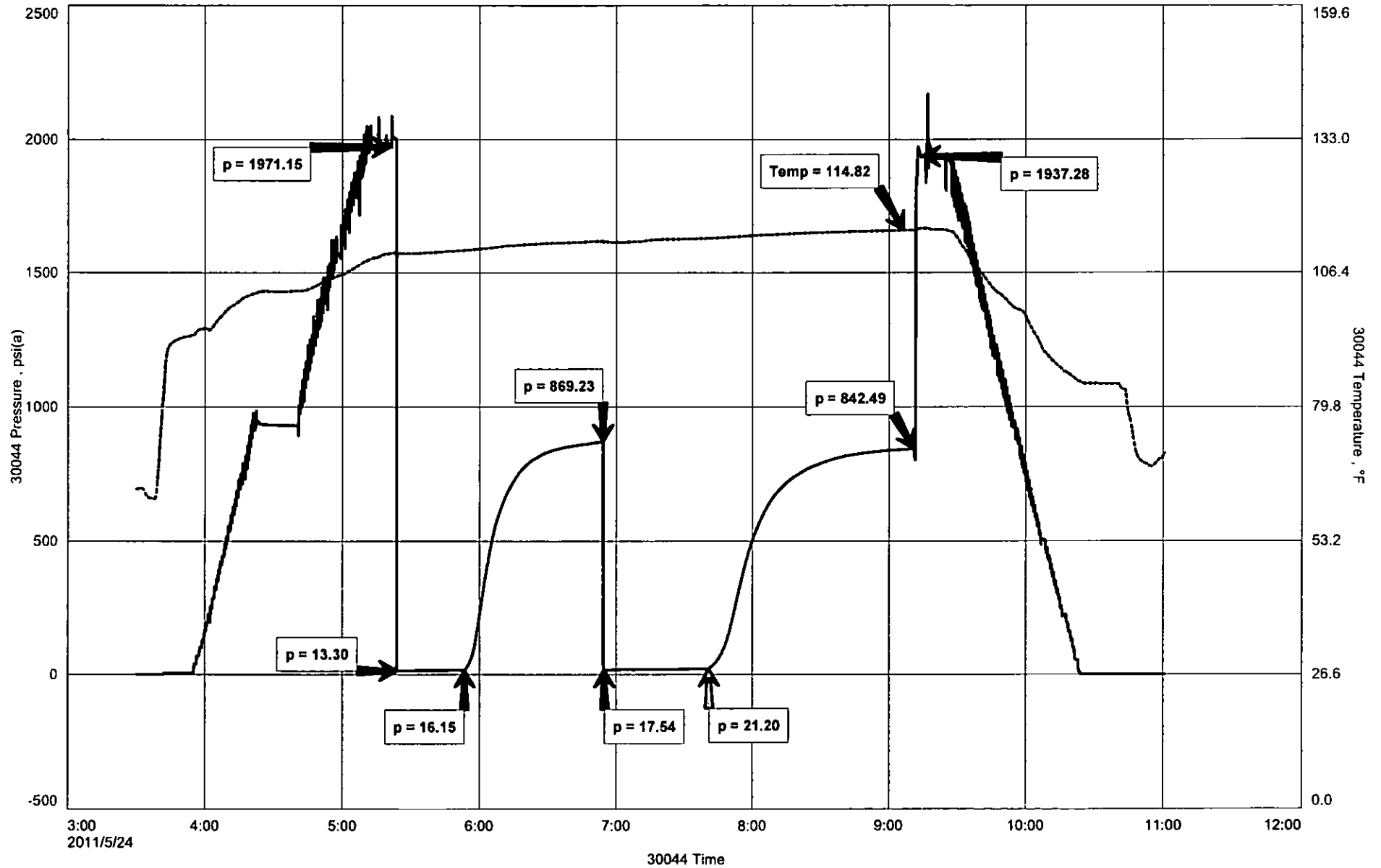
Final Hydrostatic Pressure..... (H) 1891 P.S.I.

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

RAYMOND OIL COMPANY
DST#2 L/KC 140'-160' ZONE
Start Test Date: 2011/05/24
Final Test Date: 2011/05/24

STECKEL-DARNEY #3
Formation: DST#2 L/KC 140'-160' ZONE
Pool: WILDCAT
Job Number: M163

STECKEL-DARNEY #3



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M163
Well Name	STECKEL-DARNEY #3	Representative	MIKE COCHRAN
Unique Well ID	DST#2 L/KC 140'-160' ZONE	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	Report Date	2011/05/24
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 L/KC 140'-160' ZONE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/05/24	Start Test Time	03:30:00
Final Test Date	2011/05/24	Final Test Time	11:30:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:
15' SOSDM DM W/ SOME OIL SPOTS
15' TOTAL FLUID

TOOL SAMPLE: DM W/ GOOD OIL SPOTS



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STCKL-DRNY3DST2

TIME ON: 0330
TIME OFF: 1130

Company RAYMOND OIL COMPANY Lease & Well No. STECKEL-DARNEY #3
Contractor L.D. DRLG RIG 1 Charge to RAYMOND OIL COMPANY
Elevation 2866 KB Formation L/KC 140'-160' ZONE Effective Pay _____ Ft. Ticket No. M163
Date 05/24/2011 Sec. 1 Twp. 14 S Range 32 W County LOGAN State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 4060 ft. to 4125 ft. Total Depth 4125 ft.
Packer Depth 4055 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4060 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4047 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4122 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 4033 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 65 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, INC. TO 1 1/2 (NO BB)
2nd Open: A FEW BUBBLES ON TOOL OPEN, THEN NOTHING (NOBB)

Recovered 15 ft. of SOSDM 100% DM W/SOME OIL SPOTS
Recovered 15 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: DM W/ GOOD OIL SPOTS	Total

Time Set Packer(s) 6:00 A.M. A.M. P.M. Time Started Off Bottom 9:45 A.M. P.M. Maximum Temperature 115

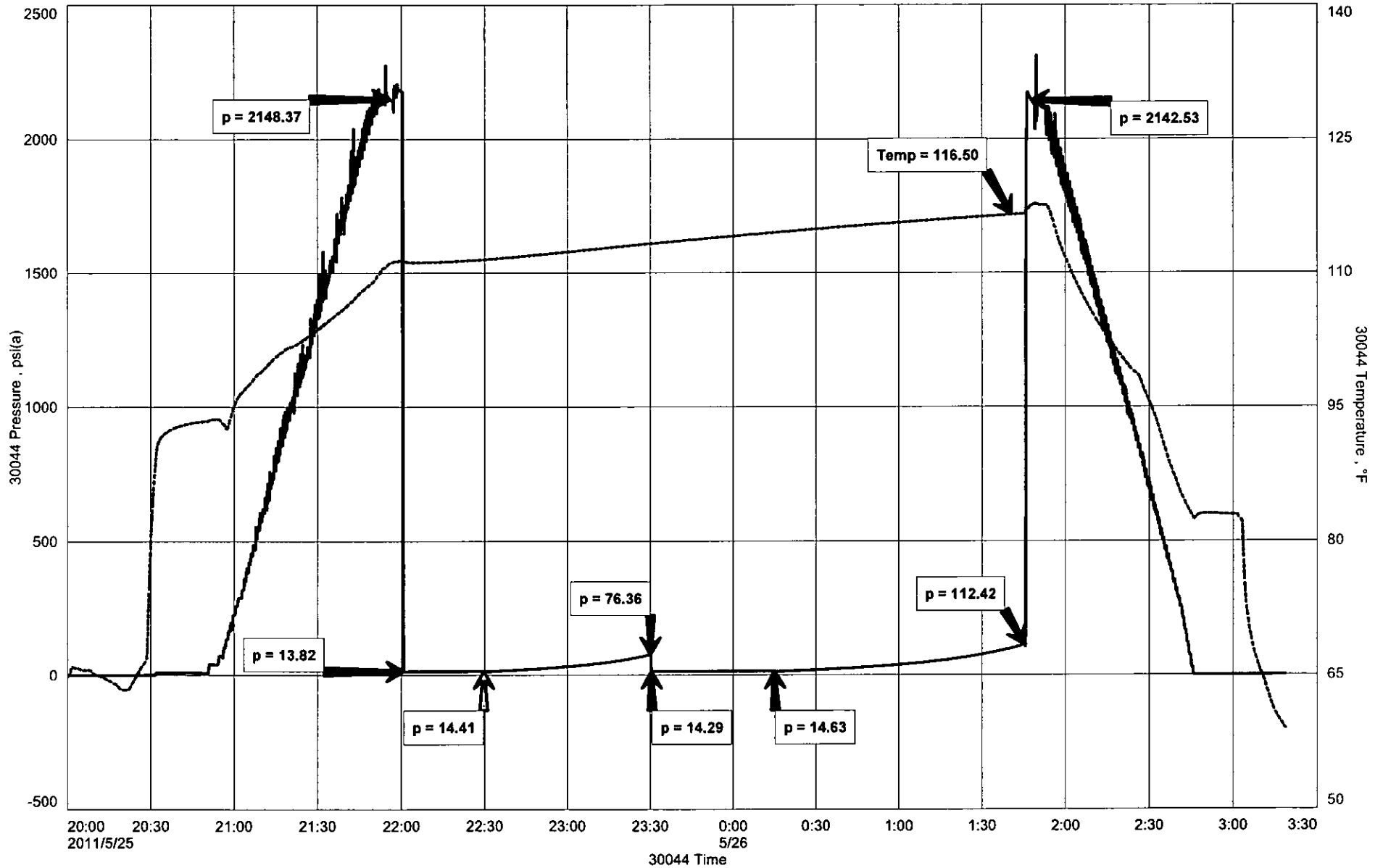
Initial Hydrostatic Pressure..... (A) 1971 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 896 P.S.I.
Final Flow Period..... Minutes 45 (E) 18 P.S.I. to (F) 21 P.S.I.
Final Closed In Period..... Minutes 90 (G) 842 P.S.I.
Final Hydrostatic Pressure..... (H) 1937 P.S.I.

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RAYMOND OIL COMPANY
DST#3 4382-4408 MYRICK STATION
Start Test Date: 2011/05/25
Final Test Date: 2011/05/26

STECKEL-DARNEY #3
Formation: DST#3 4382-4408 MYRICK STATION
Pool: WILDCAT
Job Number: M164

STECKEL-DARNEY #3



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M164
Well Name	STECKEL-DARNEY #3	Representative	MIKE COCHRAN
Unique Well ID	DST#3 4382-4408 MYRICK STATION	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	Report Date	2011/05/25
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 4382-4408 MYRICK STATION		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/05/25	Start Test Time	20:00:00
Final Test Date	2011/05/26	Final Test Time	03:20:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:

1' DM W/OIL SPOTTING
1' TOTAL FLUID

NICE SHOW OF FREE OIL ON TOP OF TOOL

TOOL SAMPLE: DM W/ GOOD OIL SPOTS



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STCKL-DRNY3DST3

TIME ON: 2000 (5/25)
TIME OFF: 0320 (5/26)

Company RAYMOND OIL COMPANY Lease & Well No. STECKEL-DARNEY #3
Contractor L.D. DRLG RIG 1 Charge to RAYMOND OIL COMPANY
Elevation 2866 KB Formation MYRICK STATION Effective Pay _____ Ft. Ticket No. M164
Date 05/25/2011 Sec. 1 Twp. 14 S Range 32 W County LOGAN State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 4382 ft. to 4408 ft. Total Depth 4408 ft.
Packer Depth 4377 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4382 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4364 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4405 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 47 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 4350 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 26 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: VWSB, INC TO 1/4" IN 10 MIN, THEN DIMINISHED UNTIL DEAD @ 17 MIN (NO BB)
2nd Open: A FEW BUBBLES ON TOOL OPEN, THEN NOTHING (NO BB)

Recovered 1 ft. of DM W/ OIL SPOTS
Recovered 1 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>NICE SHOW OF FREE OIL IN TOP OF TOOL</u>	Insurance
TOOL SAMPLE: <u>DM W/ GOOD OIL SPOTS</u>	Total

Time Set Packer(s) 10:00 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 1:45 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 117

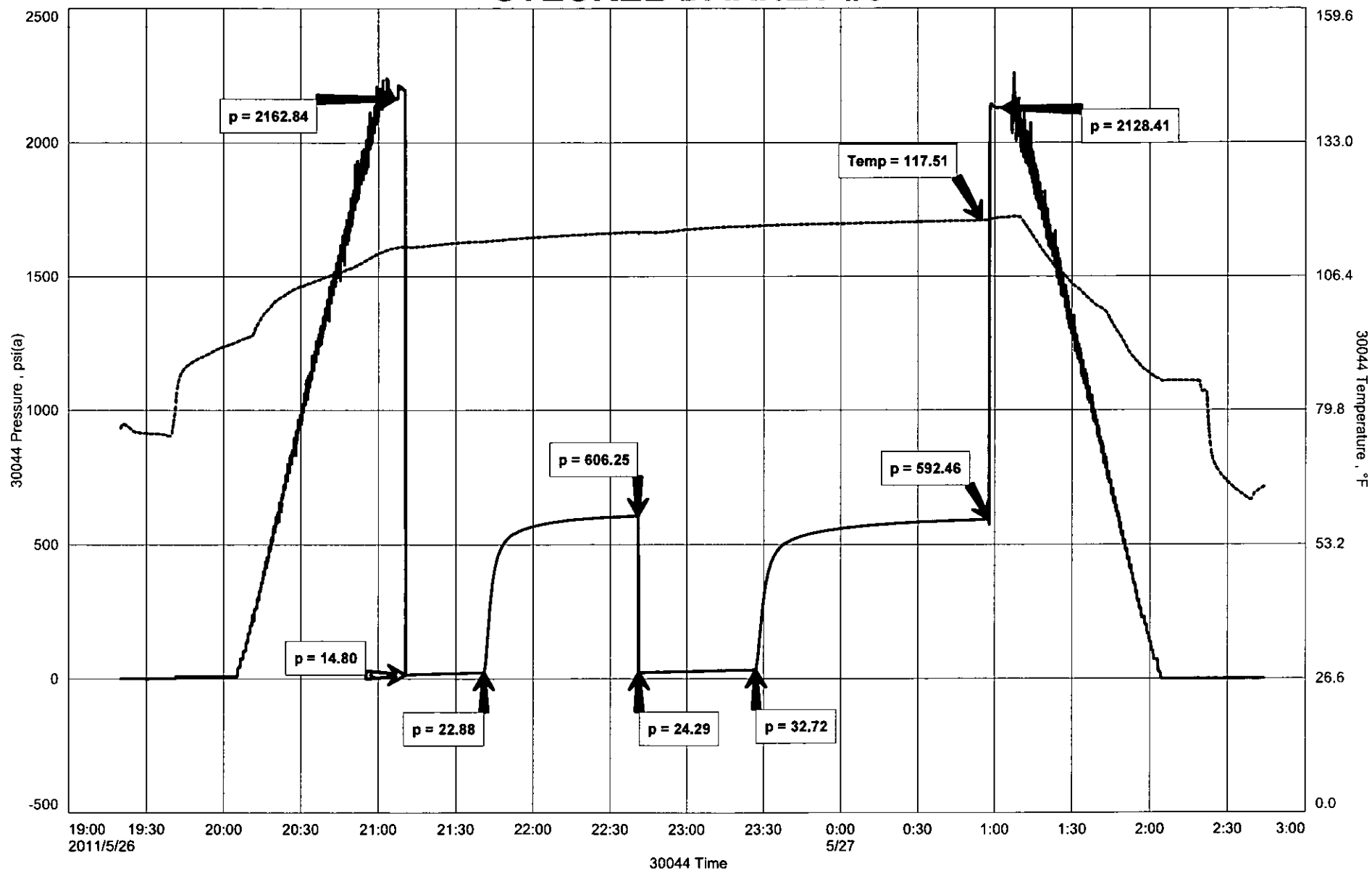
Initial Hydrostatic Pressure..... (A) 2148 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 76 P.S.I.
Final Flow Period..... Minutes 45 (E) 14 P.S.I. to (F) 15 P.S.I.
Final Closed In Period..... Minutes 90 (G) 112 P.S.I.
Final Hydrostatic Pressure..... (H) 2143 P.S.I.

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

RAYMOND OIL COMPANY
DST#4 4406-4512 FT. SCOTT, CHEROKEE, JOHNSON
Start Test Date: 2011/05/26
Final Test Date: 2011/05/27

STECKEL-DARNEY #3
Formation: DST#4 4406-4512 FT. SCOTT, CHEROKEE, JOHNSON
Pool: WILDCAT
Job Number: M165

STECKEL-DARNEY #3



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M165
Well Name	STECKEL-DARNEY #3	Representative	MIKE COCHRAN
Unique Well ID	DST#4 4406-4512 FT. SCOTT, CHEROKEE, JOHNSON	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	Report Date	2011/05/27
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 4406-4512 FT. SCOTT, CHEROKEE, JOHNSON		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/05/26	Start Test Time	19:20:00
Final Test Date	2011/05/27	Final Test Time	02:45:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

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

TOOL SAMPLE: 100% DM W/ SOME VERY LIGHT SPOTS OF OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STCKL-DRNY3DST4

TIME ON: 1920 (5/26)
TIME OFF: 0245 (5/27)

Company RAYMOND OIL COMPANY Lease & Well No. STECKEL-DARNEY #3
Contractor L.D. DRLG RIG 1 Charge to RAYMOND OIL COMPANY
Elevation 2866 KB Formation FT. SCOTT, CHEROKEE, JOHNSON Effective Pay _____ Ft. Ticket No. M165
Date 05/26/2011 Sec. 1 Twp. 14 S Range 32 W County LOGAN State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 4406 ft. to 4512 ft. Total Depth 4512 ft.
Packer Depth 4401 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4406 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4388 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4509 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 48 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,500 P.P.M. Drill Pipe Length 4374 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 106 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 AFTER 15 SEC, THEN INC. TO 1 1/4" (NOBB)
2nd Open: NO BLOW FOR 30 MIN, THEN BLOW STARTED AND BUILT TO 1/4 (NOBB)

Recovered 35 ft. of DM 100% MUD
Recovered 35 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 100% MUD W/ SOME VERY LIGHT OIL SPOTS	Total

Time Set Packer(s) 9:15 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 1:00 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 118

Initial Hydrostatic Pressure..... (A) 2163 P.S.I.
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 606 P.S.I.
Final Flow Period..... Minutes 45 (E) 24 P.S.I. to (F) 33 P.S.I.
Final Closed In Period..... Minutes 90 (G) 592 P.S.I.
Final Hydrostatic Pressure..... (H) 2128 P.S.I.

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

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M166
Well Name	STECKEL-DARNEY #3	Representative	MIKE COCHRAN
Unique Well ID	DST#5 4509-4575 MORROW SAND	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.1-14S-32W LOGAN CO. KS.	Report Date	2011/05/27
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 4509-4575 MORROW SAND		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/05/27	Start Test Time	12:00:00
Final Test Date	2011/05/27	Final Test Time	19:30:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

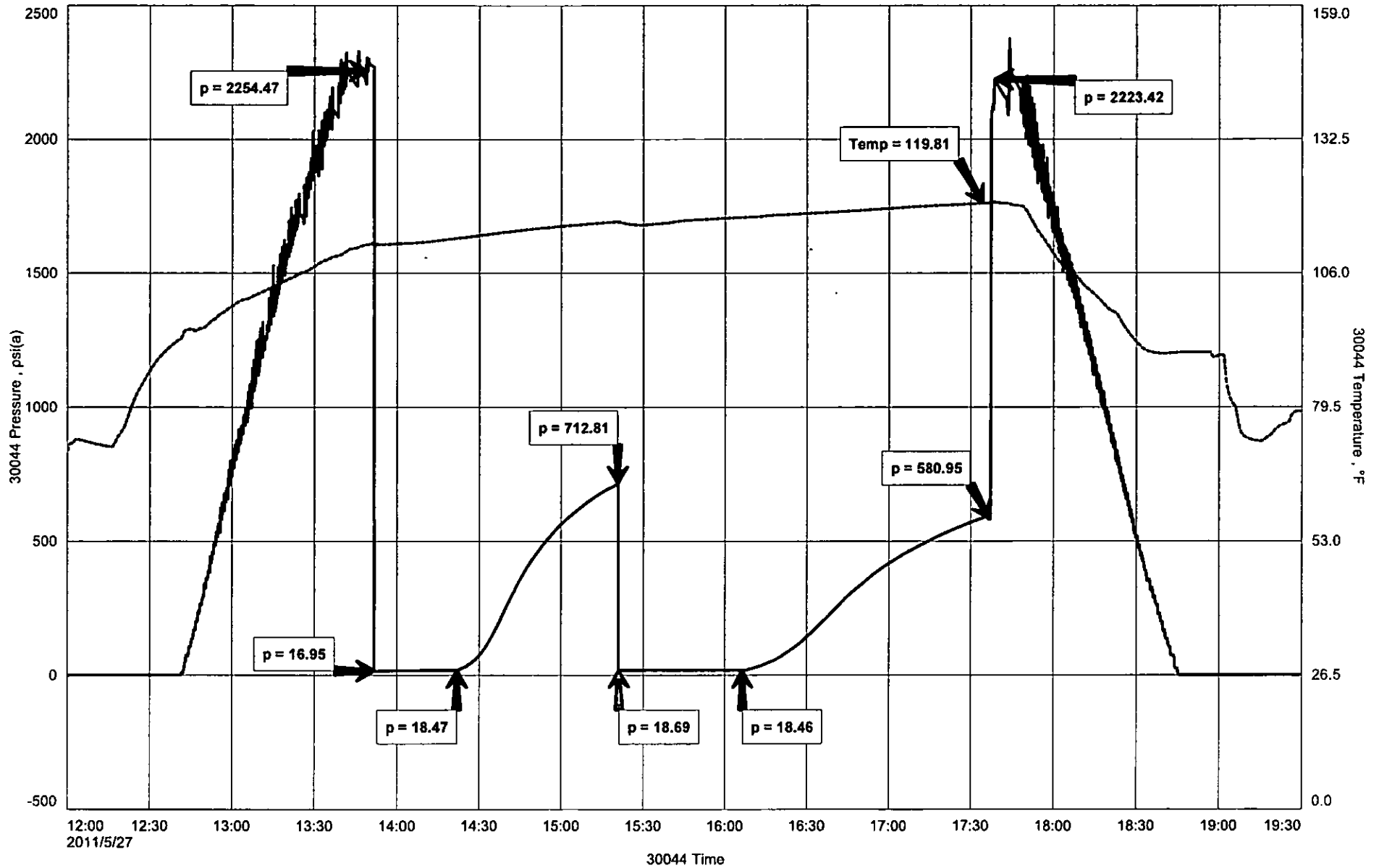
RECOVERED:
10' DM 100% MUD
10' TOTAL FLUID

TOOL SAMPLE: DM

RAYMOND OIL COMPANY
DST#5 4509-4575 MORROW SAND
Start Test Date: 2011/05/27
Final Test Date: 2011/05/27

STECKEL-DARNEY #3
Formation: DST#5 4509-4575 MORROW SAND
Pool: WILDCAT
Job Number: M166

STECKEL-DARNEY #3





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STCKL-DRNY3DST5

TIME ON: 1200
TIME OFF: 1930

Company RAYMOND OIL COMPANY Lease & Well No. STECKEL-DARNEY #3
Contractor L.D. DRLG RIG 1 Charge to RAYMOND OIL COMPANY
Elevation 2866 KB Formation FT. SCOTT, CHEROKEE, JOHNSON Effective Pay _____ Ft. Ticket No. M166
Date 05/27/2011 Sec. 1 Twp. _____ 14 S Range _____ 32 W County LOGAN State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 4509 ft. to 4575 ft. Total Depth 4575 ft.
Packer Depth 4504 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4509 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) _____ 4491 ft. Recorder Number _____ 30044 Cap. _____ 5,000 P.S.I.
Bottom Recorder Depth (Outside) _____ 4572 ft. Recorder Number _____ 13386 Cap. _____ 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEM Viscosity _____ 48 Drill Collar Length _____ 0 ft. I.D. _____ 2 1/4 in.
Weight _____ 9.2 Water Loss _____ 8.8 cc. Weight Pipe Length _____ 0 ft. I.D. _____ 2 7/8 in.
Chlorides _____ 3,500 P.P.M. Drill Pipe Length _____ 4477 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 _____ 66 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size _____ 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, INC. TO 1/2" (NO BB)
2nd Open: NO BLOW (NO BB)

Recovered <u>10 ft.</u> of <u>DM 100% MUD</u>	
Recovered <u>10 ft.</u> of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>DM</u>	Total

Time Set Packer(s) 1:45 P.M. A.M. P.M. Time Started Off Bottom 5:30 P.M. A.M. P.M. Maximum Temperature 120
Initial Hydrostatic Pressure..... (A) _____ 2254 P.S.I.
Initial Flow Period..... Minutes 30 (B) _____ 17 P.S.I. to (C) _____ 18 P.S.I.
Initial Closed In Period..... Minutes 60 (D) _____ 713 P.S.I.
Final Flow Period..... Minutes 45 (E) _____ 19 P.S.I. to (F) _____ 19 P.S.I.
Final Closed In Period..... Minutes 90 (G) _____ 581 P.S.I.
Final Hydrostatic Pressure..... (H) _____ 2223 P.S.I.

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