

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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

8/13/12

OPERATOR: License # 5144
Name: Mull Drilling Company, Inc.
Address 1: 1700 N. Waterfront Parkway, Building #1200
Address 2:
City: Wichita State: KS Zip: 67206 + 6637
Contact Person: Mark Shreve
Phone: (316) 264-6366
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Kevin Kessler
Purchaser: N/A

KCC
AUG 13 2010
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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 #:

5/27/10	6/5/10	6/5/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 101-22233-00-00

Spot Description:
SE SE NW NW Sec. 34 Twp. 17 S. R. 28 East West
1,014 Feet from North / South Line of Section
1,095 Feet from East / West Line of Section

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

County: Lane
Lease Name: Foos "A" Well #: 1-34
Field Name: Wildcat

Producing Formation: N/A
Elevation: Ground: 2748' Kelly Bushing: 2753'
Total Depth: 4650' Plug Back Total Depth: N/A
Amount of Surface Pipe Set and Cemented at: 223' 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)

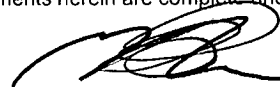
Chloride content: 11,900 ppm Fluid volume: 1050 bbls
Dewatering method used: Allowed to evaporate

Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. East West
County: Permit #:


INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: 
Title: President/COO Date: 8/13/10

KCC Office Use ONLY

- Letter of Confidentiality Received Date: 8/13/10 - 8/13/12
- Confidential Release Date:
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by:  Date: 8-2010

RECEIVED

AUG 16 2010

KCC WICHITA

PA

KCC

AUG 13 2010

Operator Name: Mull Drilling Company, Inc.

Lease Name: Foos "A"

Well #: 1-34

Sec. 34 Twp. 17 S. R. 28 East West

County: Lane

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INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	2156	+ 596
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/Anhydrite	2184	+ 568
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner Shale	3946	- 1194
List All E. Logs Run:		Lansing	3982	- 1230
CDL/CNL; DIL; Sonic		B/KC	4326	- 1574
		Cherokee	4521	- 1769
		Mississippian	4588	- 1836

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 1/4"	8 5/8"	20#	223	Commom	150	3% cc, 2% gel

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

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

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TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

KCC

No. 3841

AUG 13 2010

Date	Sec.	Twp.	Range	County	State	On Location	Finish	
5-27-10	34	17	28	Lane	KS	CONFIDENTIAL	7:30pm	
Lease Foos A	Well No. 1-34		Location Dighton SE 34N					
Contractor W.W. Drilling Rig				Owner				
Type Job Surface				To Quality Oilwell Cementing, Inc.				
Hole Size 12 1/4				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Csg. 8 3/8 20lb		Depth 225		Charge To		Mull Drilling		
Tbg. Size		Depth		Street				
Tool		Depth		City		State		
Cement Left in Csg. 10-15		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line		Displace 134 BLS		Cement Amount Ordered 150 Lbs 30.00 28.64				
EQUIPMENT								
Pumptrk 1	No.	Cementer Steve	4 1/2	Common 150				
Bulktrk 8	No.	Driver Dave	4 1/2	Poz. Mix				
Bulktrk	No.	Driver Doug	4 1/2	Gel 3				
JOB SERVICES & REMARKS				Calcium 5				
Remarks:				Hulls				
Rat Hole				Salt				
Mouse Hole				Flowseal				
Centralizers				Kol-Seal				
Baskets				Mud CLR 48				
D/V or Port Collar				CFL-117 or CD110 CAF 38				
Cement did Circulate				Sand				
				Handling 158				
				Mileage				
FLOAT EQUIPMENT								
Guide Shoe				RECEIVED				
Centralizer				AUG 16 2010				
Baskets				KCC WICHITA				
AFU Inserts								
Float Shoe								
Latch-Down								
Pumptrk Charge Surface								
Mileage 30								
Tax								
Discount								
Signature <i>Mull Drilling</i>				Total Charge				
Russell								

QUALITY OILWELL CEMENTING, INC.

AUG 13 2010

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32

Russell, KS 67665
CONFIDENTIAL

(Russell)

No. 3840

Date	6-5-2010	Sec.	34	Twp.	17	Range	28	County	Lane	State	Ks	On Location	11:00AM
Lease	Foods A	Well No.	# 1-34		Location Dighton, Ks 3E to Newton Rd.								
Contractor	W.W. Drilling Rig #10				Owner 33 1/4 N, E/S								
Type Job	Rotary plug				To: Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer, and helper to assist owner or contractor to do work as listed.								
Hole Size	7 1/8"		T.D.		4650'								
Csg.	Drill pipe 4 1/2"		Depth		2170'								
Tool			Depth										
Cement Left in Csg.			Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		1120/mud								
					Cement Amount Ordered 270 sx 60/40 4% Gel 1/4# F.S.								

EQUIPMENT

Pumptrk	9	No.	Cementer	Deake	7 OT	Common	162
Bulktrk	12	No.	Driver	Reck	7 OT	Poz. Mix	108
Bulktrk		No.	Driver			Gel	11

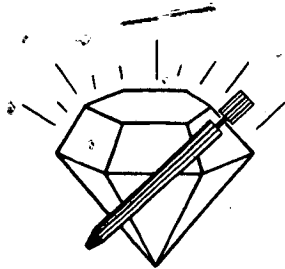
JOB SERVICES & REMARKS

Remarks:		Calcium	
Rat Hole	30 3x 60/40 4% Gel 1/4# F.S.	Hulls	
Mouse Hole	N/A	Salt	
Centralizers		Flowseal	67 #1'S
Baskets		Kol-Seal	
D/V or Port Collar		Mud CLR 48	
2170' - 50 SX		CFL-117 or CD110 CAF 38	
1380' - 80 SX		Sand	
600' - 50 SX		Handling	280
210' - 40 SX		Mileage	
60' - 20 SX		FLOAT EQUIPMENT	

270 sx 60/40 4% Gel 1/4# F.S.
Cement b/d Circulate

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Pumptrk Charge	plug	Tax	
Mileage	30	Discount	
Signature: <i>Mark Habung</i>		Total Charge	
Signature: <i>Russell</i>			



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D109

Company Mull Drilling Company, Inc. Lease & Well No. Foos "A" No. 1-34

Elevation 2752 KB Formation Cherokee/Johnson Effective Pay -- Ft. Ticket No. R109

Date 6-4-10 Sec. 34 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 6 Interval Tested from 4,510 ft. to 4,585 ft. Total Depth 4,585 ft.

Packer Depth 4,510 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,504 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,582 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 125 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 45 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 11.2 cc. Drill Pipe Length 4,365 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 44' perf. w/31' drill pipe Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, surface blow. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 3 ft. of oil specked mud = .014760 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: Oil specked mud

Time Set Packer(s) 10:19 ^{XXM.} P.M. Time Started Off Bottom 12:29 ^{AM.} P.M. Maximum Temperature 121 °

Initial Hydrostatic Pressure (A) 2180 P.S.I.

Initial Flow Period Minutes 10 (B) 8 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period Minutes 30 (D) 322 P.S.I.

Final Flow Period Minutes 30 (E) 11 P.S.I. to (F) 11 P.S.I.

Final Closed In Period Minutes 60 (G) 188 P.S.I.

Final Hydrostatic Pressure (H) 2177 P.S.I.

DIAMOND TESTING

Page 2 of 2 Pages
Drill Test Report

General Information

Company Name MULL DRILLING CO. INC

Contact MARK SHREVE
Well Name FOOS 'A' # 1-34
Unique Well ID DST # 6 CHER-JHN zn 4510-4585
Surface Location SEC 34-17S-28W LANE COUNTY
Field WILDCAT
Well Type Vertical

Job Number R109
Representative RANDY WILLIAMS
Well Operator MULL DRILLING CO. INC
Report Date 2010/06/05
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 6 CHER-JHN zn 4510-4585
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 08:20:00
Final Test Time 02:26:00
Start Test Date 2010/06/04
Final Test Date 2010/06/05

Gauge Name 30037
Test Type Name

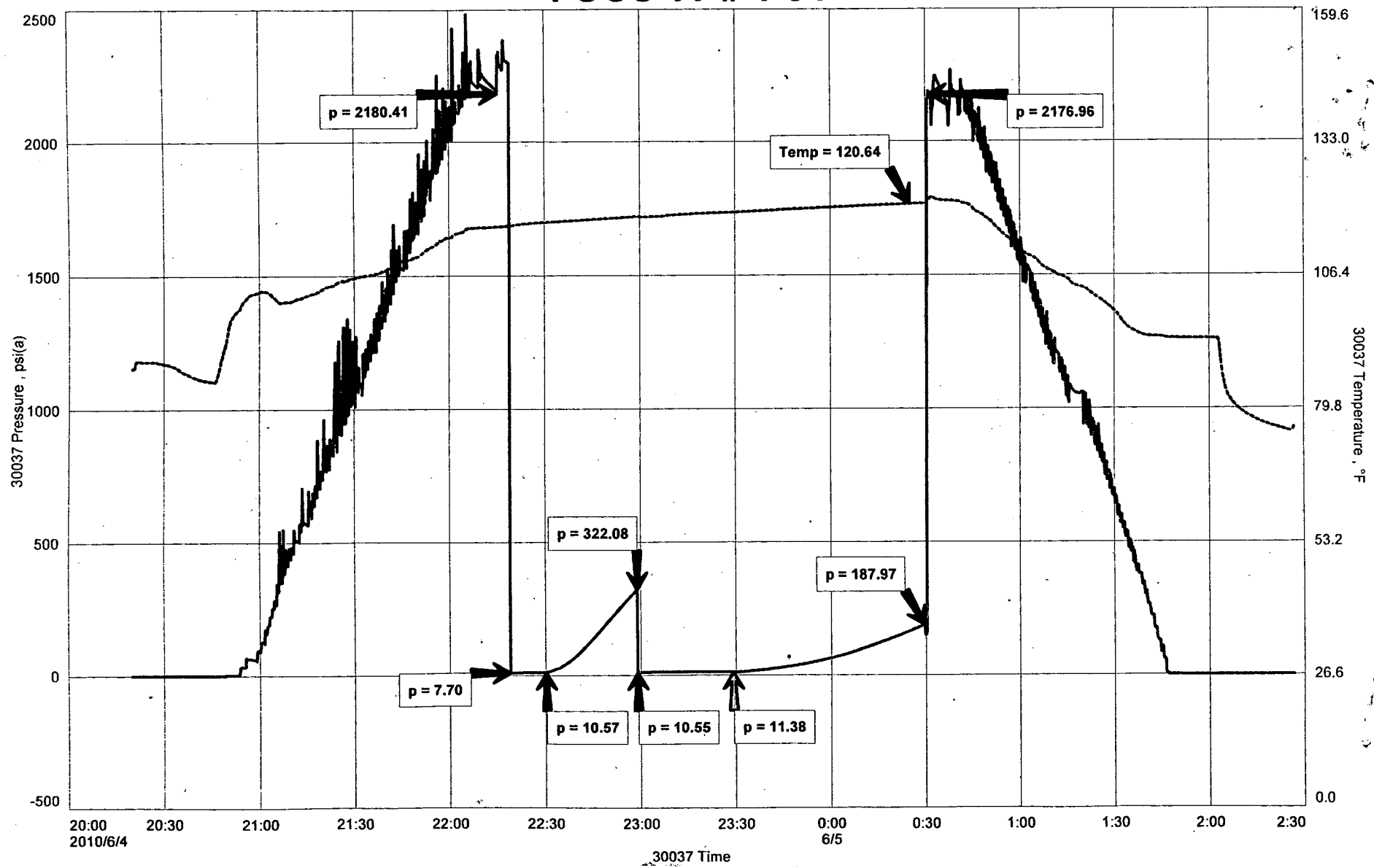
Test Results

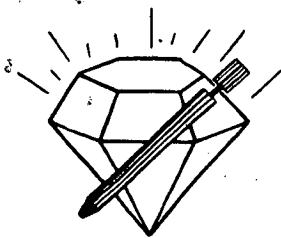
RECOVERED: 3' OIL SPECED MUD

TOTAL FLUID: 3'

TOOL SAMPLE: OIL SPECED MUD

FOOS 'A' # 1-34





DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30037.D108

Company Mull Drilling Company, Inc. Lease & Well No. Foos "A" No. 1-34
 Elevation 2752 KB Formation Pawnee/Fort Scott Effective Pay -- Ft. Ticket No. R108
 Date 6-4-10 Sec. 34 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 5 Interval Tested from 4,430 ft. to 4,520 ft. Total Depth 4,520 ft.

Packer Depth 4,430 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth -- Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,424 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,517 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 125 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 14.4 cc. Drill Pipe Length 4,285 ft. I.D. 3 1/2 in.

Chlorides 2,400 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 27' perf. w/63' drill pipe Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak blow. Building to 1/2 in. in 10 mins. No blow back during shut-in.

2nd Open: Weak blow. Building to 4 ins. in 60 mins. No blow back during shut-in.

Recovered 120 ft. of gas in pipe

Recovered 10 ft. of oil cut mud = .049200 bbls. (Grind out: 4%-oil; 96%-mud)

Recovered 10 ft. of TOTAL FLUID = .049200 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 10%-oil; 90%-mud

Time Set Packer(s) 4:53 A.M. FXX Time Started Off Bottom 8:33 A.M. F.M. Maximum Temperature 119°

Initial Hydrostatic Pressure (A) 2154 P.S.I.

Initial Flow Period Minutes 10 (B) 8 P.S.I. to (C) 13 P.S.I.

Initial Closed In Period Minutes 30 (D) 428 P.S.I.

Final Flow Period Minutes 60 (E) 16 P.S.I. to (F) 25 P.S.I.

Final Closed In Period Minutes 120 (G) 1084 P.S.I.

Final Hydrostatic Pressure (H) 2153 P.S.I.

DIAMOND TESTING

Drill Test Report

General Information

Company Name MULL DRILLING CO. INC

Contact MARK SHREVE
Well Name FOOS 'A' # 1-34
Unique Well ID DST # 5 PAW - FT.SCOTT 4430-4520
Surface Location SEC 34-17S-28W LANE COUNTY
Field WILDCAT
Well Type Vertical

Job Number R108
Representative RANDY WILLIAMS
Well Operator MULL DRILLING CO. INC
Report Date 2010/06/04
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 5 PAW - FT.SCOTT 4430-4420
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 02:52:00
Final Test Time 10:08:00

Start Test Date 2010/06/04
Final Test Date 2010/06/04

Gauge Name 30037
Test Type Name

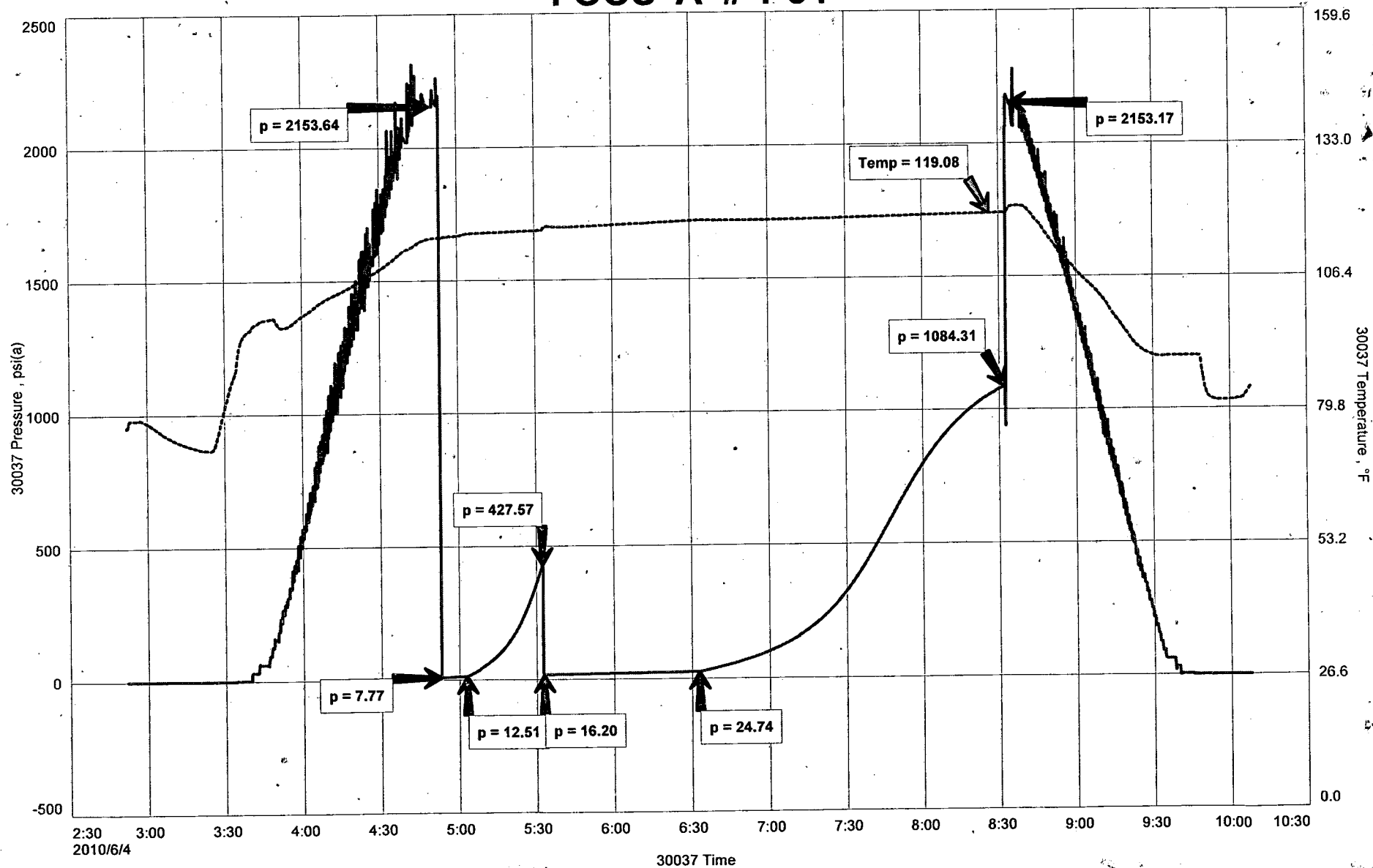
Test Results

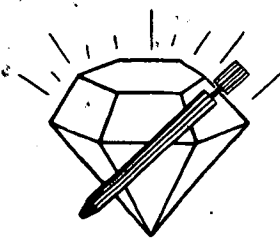
RECOVERED: 120' GAS IN PIPE
10' OCM, 4% OIL, 96% MUD

TOTAL FLUID: 10'

TOOL SAMPLE: 10% OIL, 90% MUD

FOOS 'A' # 1-34





DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D107

Company Mull Drilling Company, Inc. Lease & Well No. Foos "A" No. 1-34
Elevation 2752 KB Formation Marmaton Effective Pay -- Ft. Ticket No. R107
Date 6-3-10 Sec. 34 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 4 Interval Tested from 4,310 ft. to 4,420 ft. Total Depth 4,420 ft.

Packer Depth 4,310 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,304 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,417 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 125 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 11.2 cc. Drill Pipe Length 4,165 ft. I.D. 3 1/2 in.

Chlorides 1,700 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 47' perf. w/63' drill pipe Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Fair blow, building. Off bottom of bucket in 10 mins. No blow back during shut-in.
2nd Open: Fair blow, building. Off bottom of bucket in 10 1/2 mins. Fair, 10 in., blow back during shut-in.

Recovered 238 ft. of gas in pipe

Recovered 264 ft. of gas & watery mud cut oil = 3.756720 bbls. (Grind out: 20%-gas; 15%-water; 15%-mud; 50%-oil)

Recovered 180 ft. of gas & oily mud cut water = 1.397650 bbls. (Grind out: 10%-gas; 4%-oil; 30%-mud; 56%-water)

Recovered 444 ft. of TOTAL FLUID = 5.154370 bbls. Chlorides: 38,000 Ppm
PH: 8.0 R.W.: .1 @ 90°

Recovered ft. of

Remarks Tool Sample Grind Out: Oil specked water

Time Set Packer(s) 8:30 ~~AM~~ AM Time Started Off Bottom 12:10 ~~AM~~ PM Maximum Temperature 125°

Initial Hydrostatic Pressure (A) 2063 P.S.I.

Initial Flow Period Minutes 10 (B) 16 P.S.I. to (C) 77 P.S.I.

Initial Closed In Period Minutes 30 (D) 1100 P.S.I.

Final Flow Period Minutes 60 (E) 89 P.S.I. to (F) 197 P.S.I.

Final Closed In Period Minutes 120 (G) 1031 P.S.I.

Final Hydrostatic Pressure (H) 2063 P.S.I.

DIAMOND TESTING

General Information

Company Name MULL DRILLING CO. INC

Contact MARK SHREVE
Well Name FOOS 'A' # 1-34
Unique Well ID DST # 4 MARMATON 4310-4420
Surface Location SEC 34-17S-28W LANE COUNTY
Field WILDCAT
Well Type Vertical

Job Number R107
Representative RANDY WILLIAMS
Well Operator MULL DRILLING CO. INC
Report Date 2010/06/03
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 4 MARMATON 4310-4420
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 06:20:00
Final Test Time 14:29:00

Start Test Date 2010/06/03
Final Test Date 2010/06/03

Gauge Name 30037
Test Type Name

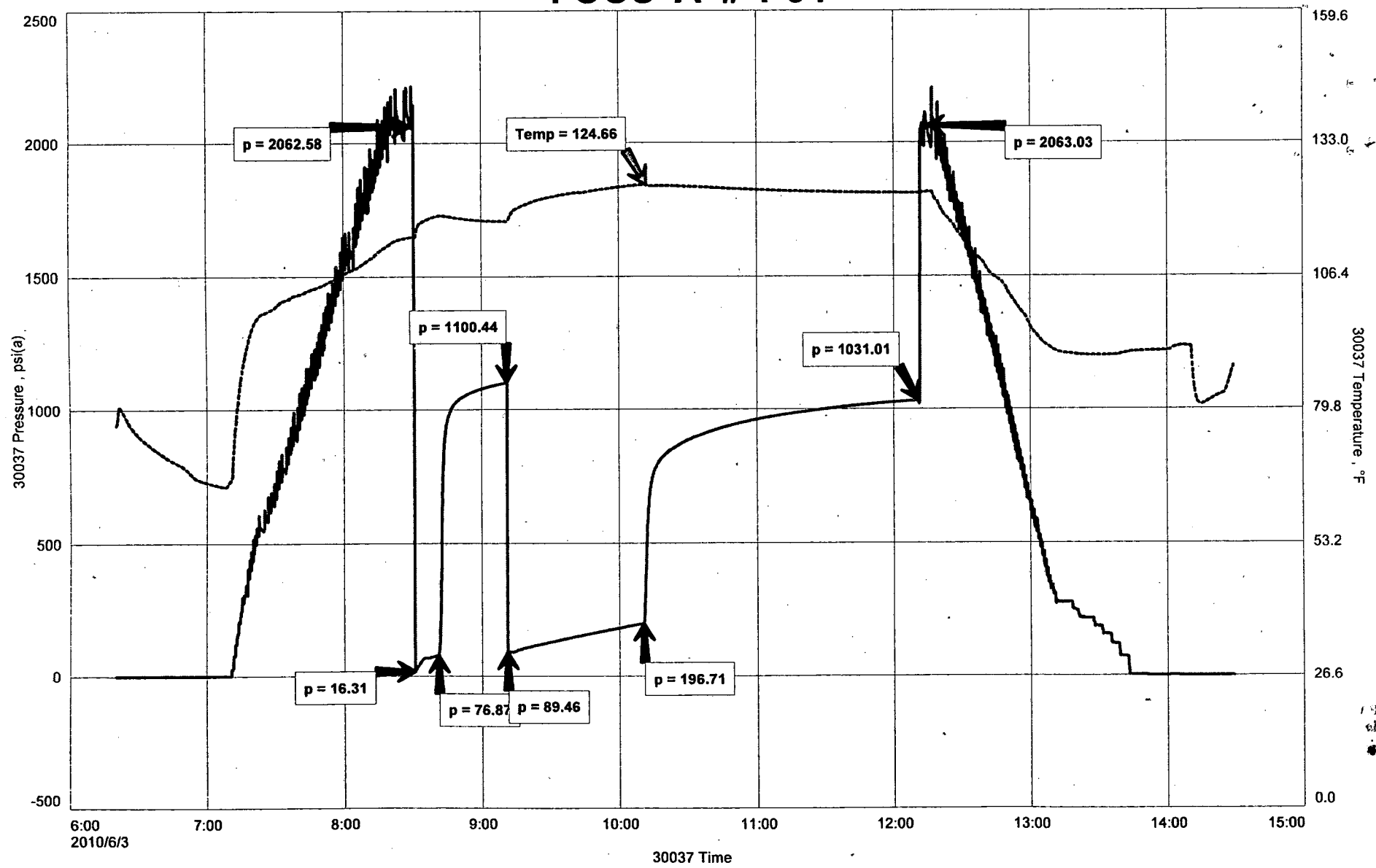
Test Results

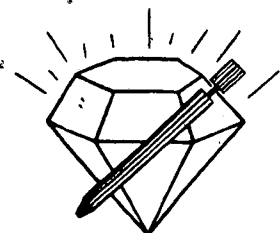
RECOVERED: 238' GAS IN PIPE
264' GWMCO, 20% GAS, 50% OIL, 15% WATER, 15% MUD
180' GOMCW, 10% GAS, 4% OIL, 56% WATER, 30% MUD
PH - 8.0 CHLORIDES- 38,000 RW .1 @ 90 DEG

TOTAL FLUID: 444'

TOOL SAMPAL: OIL SPECED WATER

FOOS 'A' # 1-34





DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30037.D106

Company Mull Drilling Company, Inc. Lease & Well No. Foos "A" No. 1-34

Elevation 2752 KB Formation Lansing "K" Effective Pay -- Ft. Ticket No. R106

Date 6-2-10 Sec. 34 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 3 Interval Tested from 4,235 ft. to 4,280 ft. Total Depth 4,280 ft.

Packer Depth 4,235 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,229 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,277 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number psi

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 125 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 59 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 4,090 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 45 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak blow. Building to 4 ins. in 10 mins. No blow back during shut-in.

2nd Open: Fair blow, building. Off bottom of bucket in 57 mins. No blow back during shut-in.

Recovered 1 ft. of oil = .014230 bbls.

Recovered 285 ft. of muddy water = 2.891800 bbls. (Chlorides: 56,000 Ppm)

Recovered 286 ft. of TOTAL FLUID = 2.906030 bbls. PH: 9.0 R.W.: .06 @ 82°

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: Oil specked water

Time Set Packer(s) 9:34 A.M. KMK Time Started Off Bottom 1:14 P.M. KMK Maximum Temperature 127°

Initial Hydrostatic Pressure (A) 1994 P.S.I.

Initial Flow Period Minutes 10 (B) 8 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period Minutes 30 (D) 1025 P.S.I.

Final Flow Period Minutes 60 (E) 67 P.S.I. to (F) 143 P.S.I.

Final Closed In Period Minutes 120 (G) 1015 P.S.I.

Final Hydrostatic Pressure (H) 1995 P.S.I.

DIAMOND TESTING

Drill Test Report

General Information

Company Name MULL DRILLING CO. INC

Contact MARK SHREVE
Well Name FOOS 'A' # 1-34
Unique Well ID DST # 3 LSG Kzn 4235-4280
Surface Location SEC 34-17S-28W LANE COUNTY
Field WILDCAT
Well Type Vertical

Job Number R106
Representative RANDY WILLIAMS
Well Operator MULL DRILLING CO. INC
Report Date 2010/06/02
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 3 LSG Kzn 4235-4280
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 08:05:00
Final Test Time 15:14:00

Start Test Date 2010/06/02
Final Test Date 2010/06/02

Gauge Name 30037
Test Type Name

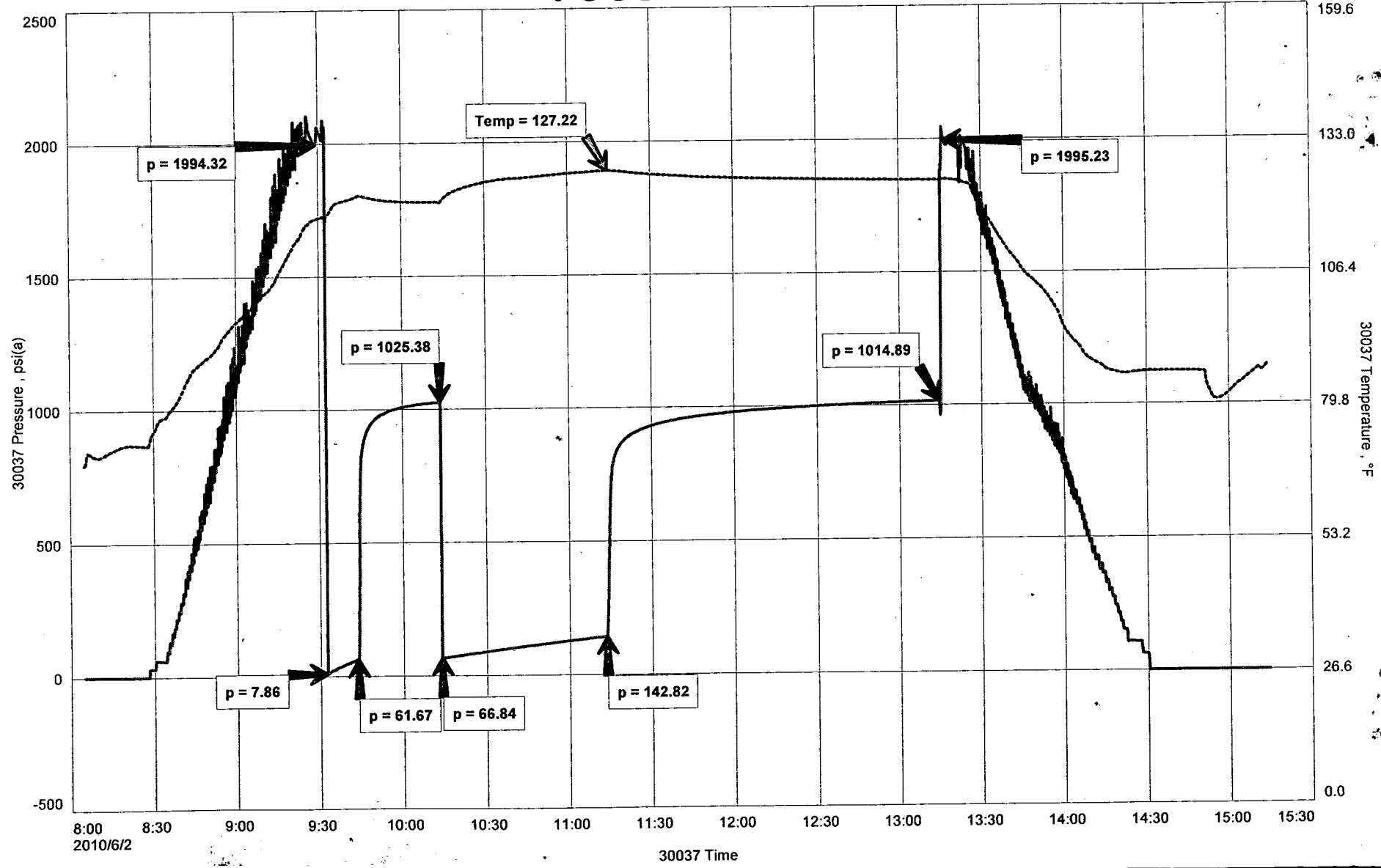
Test Results

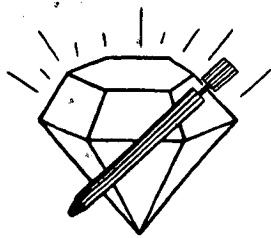
RECOVERED: 1' OIL
285' MUDDY WATER
PH- 9.0 CHLORIDES- 56,000 RW- .06 @ 82 DEG

TOTAL FLUID: 286'

TOOL SAMPLE: OIL SPECED WATER

FOOS 'A' # 1-34





DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30037.D105

Company Mull Drilling Company, Inc. Lease & Well No. Foos "A" No. 1-34

Elevation 2752 KB Formation Lansing "K" Effective Pay -- Ft. Ticket No. R105

Date 6-2-10 Sec. 34 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 2 Interval Tested from 4,240 ft. to 4,280 ft. Total Depth 4,280 ft.

Packer Depth 4,235 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,240 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,223 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,277 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 125 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 59 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 4,084 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 40 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow, building. Off bottom of bucket in 7 mins. No blow back during shut-in.

2nd Open: Fair blow, building. Off bottom of bucket in 11 mins. No blow back during shut-in.

Recovered 747 ft. of mud = 9.466060 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 2:25 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 4:35 ~~P.M.~~ ^{A.M.} Maximum Temperature 121°

Initial Hydrostatic Pressure (A) 2013 P.S.I.

Initial Flow Period Minutes 10 (B) 24 P.S.I. to (C) 151 P.S.I.

Initial Closed In Period Minutes 30 (D) 1038 P.S.I.

Final Flow Period Minutes 30 (E) 160 P.S.I. to (F) 372 P.S.I.

Final Closed In Period Minutes 60 (G) 1024 P.S.I.

Final Hydrostatic Pressure (H) 2017 P.S.I.

DIAMOND TESTING

General Information

Company Name MULL DRILLING CO. INC

Contact MARK SHREVE
Well Name FOOS 'A' # 1-34
Unique Well ID DST # 2 LSG K zn 4240-4280
Surface Location SEC 34-17S-28W LANE COUNTY
Field WILDCAT
Well Type Vertical

Job Number R105
Representative RANDY WILLIAMS
Well Operator MULL DRILLING CO. INC
Report Date 2010/06/02
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 2 LSG K zn 4240-4280
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 00:10:00
Final Test Time 06:54:00

Start Test Date 2010/06/02
Final Test Date 2010/06/02

Gauge Name 30037
Test Type Name

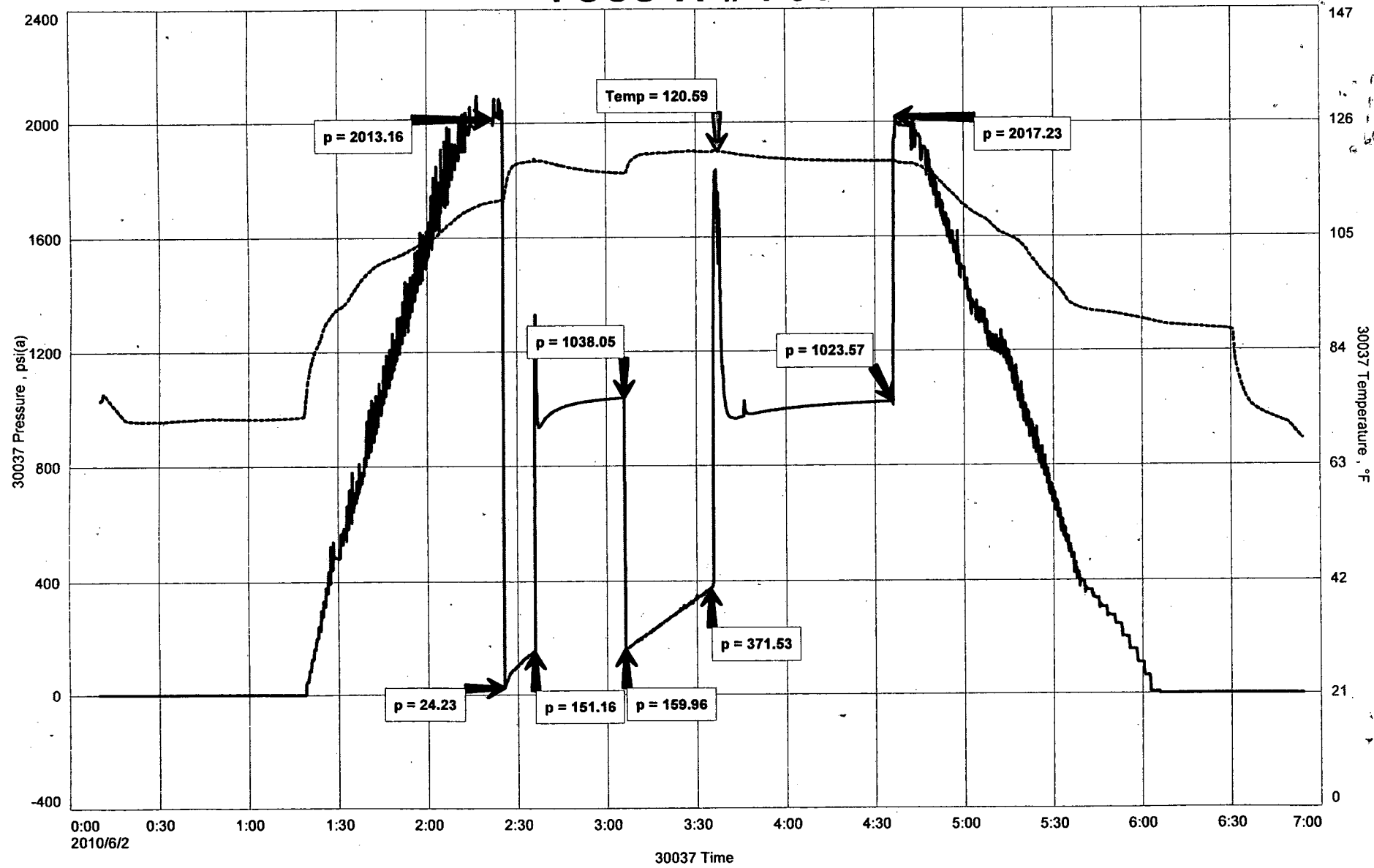
Test Results

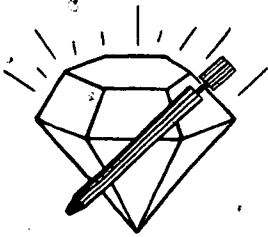
RECOVERED: 747' MUD

TOTAL FLUID: 747'

TOOL SAMPLE: MUD

FOOS 'A' # 1-34





DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30037.D104

Company Mull Drilling Company, Inc. Lease & Well No. Foos "A" No. 1-34

Elevation 2752 KB Formation Lansing "H"- "J" Effective Pay -- Ft. Ticket No. R104

Date 6-1-10 Sec. 34 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 1 Interval Tested from 4,120 ft. to 4,244 ft. Total Depth 4,244 ft.

Packer Depth 4,115 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,120 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,103 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,241 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 125 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 59 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 3,964 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - JF in.

Jars: Make Sterling Serial Number 1 Anchor Length 29' perf. w/95' drill pipe Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Fair blow, building. Off bottom of bucket in 6 mins. No blow back during shut-in.

2nd Open: Weak blow, building. Off bottom of bucket in 24 mins. No blow back during shut-in.

Recovered 280 ft. of mud = 3.984400 bbls.

Recovered 420 ft. of mud & gas cut water = 4.812850 bbls. (Grind out: 15%-mud; 5%-gas; 80%-water) Chlorides: 60,000 Ppm

Recovered 700 ft. of TOTAL FLUID = 8.797250 bbls. PH: 8.0 R.W.: .06 @ 82°

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 10%-mud; 90%-water

Time Set Packer(s) 11:04 ^{A.M.}/_{P.M.} Time Started Off Bottom 2:44 ^{A.M.}/_{P.M.} Maximum Temperature 124°

Initial Hydrostatic Pressure (A) 1868 P.S.I.

Initial Flow Period Minutes 10 (B) 50 P.S.I. to (C) 172 P.S.I.

Initial Closed In Period Minutes 30 (D) 1102 P.S.I.

Final Flow Period Minutes 60 (E) 189 P.S.I. to (F) 351 P.S.I.

Final Closed In Period Minutes 120 (G) 1101 P.S.I.

Final Hydrostatic Pressure (H) 1878 P.S.I.

DIAMOND TESTING

General Information

Company Name MULL DRILLING CO. INC

Contact MARK SHREVE
Well Name FOOS 'A' # 1-34
Unique Well ID DST # 1 LSG H-J 4120-4244
Surface Location SEC 34-17S-28W LANE COUNTY
Field WILDCAT
Well Type Vertical

Job Number R104
Representative RANDY WILLIAMS
Well Operator MULL DRILLING CO. INC
Report Date 2010/06/01
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 1 LSG H-J 4120-4244
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 08:50:00
Final Test Time 17:06:00

Start Test Date 2010/06/01
Final Test Date 2010/06/01

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 280' MUD
420' MGW, 80% WATER, 15% MUD, 5% GAS
PH 8.0 CHLORIDES- 60,000 RW-.06 @ 82 DEG

TOTAL FLUID: 700'

TOOL SAMPLE: 90% WATER, 10% MUD

MULL DRILLING CO. INC
DST #1 LSG H-J 4120-4244
Start Test Date: 2010/06/01
Final Test Date: 2010/06/01

FOOS 'A' # 1-34
Formation: DST #1 LSG H-J 4120-4244
Pool: WILDCAT
Job Number: R104

FOOS 'A' # 1-34

