

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: Phil Askey  
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 #:

6/8/10 6/15/10 6/16/10  
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 101-22234-00-00

Spot Description:  
SE SW NW SE Sec. 27 Twp. 17 S. R. 28  East  West  
1,554 Feet from  North /  South Line of Section  
1,990 Feet from  East /  West Line of Section

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

County: Lane

Lease Name: Foos "B" Well #: 1-27

Field Name: Wildcat

Producing Formation: N/A

Elevation: Ground: 2661' Kelly Bushing: 2666'

Total Depth: 4540' Plug Back Total Depth: N/A

Amount of Surface Pipe Set and Cemented at: 217 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: 18,100 ppm Fluid volume: 900 bbls

Dewatering method used: Hauled offsite

Location of fluid disposal if hauled offsite:

Operator Name: Walker Tank Service, Inc.

Lease Name: THON License #: 4313

Quarter NW Sec. 10 Twp. 17 S. R. 29  East  West

County: Lane Permit #: 15-101-20321-00-01

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 RECEIVED

Letter of Confidentiality Received  
Date: 8/13/10 - 8/13/12 AUG 16 2010  
 Confidential Release Date: KCC WICHITA  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: MS Date: 8/20/10  
PA

Operator Name: Mull Drilling Company, Inc. Lease Name: Foos "B" Well #: 1-27  
 Sec. 27 Twp. 17 S. R. 28  East  West County: Lane

AUG 13 2010  
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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	2052	+ 614
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/Anhydrite	2080	+ 586
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner Shale	3852	- 1185
List All E. Logs Run:		Lansing	3888	- 1222
<b>CDL/CNL; DIL; Sonic; Micro</b>		B/KC	4228	- 1526
		Cherokee Shale	4422	- 1756
		Mississippian	4480	- 1814

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#	217'	Common	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

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

No. 4295

Date	6-16-2010	Sec.	27	Twp.	17	Range	28	County	ADair	State	KS	On Location		Finish	4:45 PM
Lease	F-11 "B"		Well No.	1-27		Location: N. 35' - N. 40' - N. 45' - N. 50' - N. 55' - N. 60' - N. 65' - N. 70' - N. 75' - N. 80' - N. 85' - N. 90' - N. 95' - N. 100'									
Contractor	D.W. Drilling #10							Owner							
Type Job	Pump							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 7/8"		T.D. 4510'												
Csg.								Depth							
Chg.								Charge To Mull Drilling							
Tbg. Size	8"		Depth 2080'												
Tool								Street							
Cement Left in Csg.								City							
Meas Line								State							
Shoe Joint							The above was done to satisfaction and supervision of owner agent or contractor.								
Displace 11.01 API							Cement Amount Ordered 270 sacks 60/40 12.5% 4.5								

**EQUIPMENT**

Pumptrk	9	No.	Cement	10	Helper	10	Common	162
Bulktrk	12	No.	Driver	10	Driver	10	Poz. Mix	108
Bulktrk	1	No.	Driver	10	Driver	10	Gel.	11

**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole 30SX	Hulls
Mouse Hole N/A	Salt
Centralizers	Flowseal 60 1/2 BF
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
2080' - 50SX	CFL-117 or CD110 CAF 38
1380' - 30SX	Sand
620' - 50SX	Handling
250' - 110SX	Mileage
40' - 20SX (Cement DTC)	
PH = 30SX	
	<b>FLOAT EQUIPMENT</b>
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage
	Tax
	Discount
	Total Charge

RECEIVED  
AUG 1, 2010  
KCC WICHITA

X Signature

# QUALITY OILWELL CEMENTING, INC.

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

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

AUG 16 2010  
CONFIDENTIAL

No. 3924

Date	6-8-10	Sec.	27	Twp.	17	Range	28	County	LANE	State	KS	On Location		Finish	6:30
Lease	FOOS B		Well No.	1-27		Location									
Contractor										Owner					
Type Job										To Quality Oilwell Cementing, Inc.					
Hole Size										You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Csg.										Charge To					
Tbg. Size										Street					
Tool										City					
Cement Left in Csg.										State					
Meas Line										The above was done to satisfaction and supervision of owner agent or contractor.					
Displace										Cement Amount Ordered					

**EQUIPMENT**

Pumptrk	5	No.	Cementer		Common
			Helper	TOOD	
Bulktrk	8	No.	Driver	CISCO	Poz. Mix
			Driver		
Bulktrk	10	No.	Driver	DARIN	Gel.
			Driver		

**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol. Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU/Inserts
	Float Shoe
	Latch Down

Circulation throughout  
Cement circulated

THANK YOU  
TOOD DARIN CISCO  
PLEASE CALL AGAIN

X Signature	Pumptrk Charge	SFC	Tax
	Mileage	33	Discount
			Total Charge

RECEIVED  
AUG 16 2010  
KCG WICHITA

*[Handwritten Signature]*



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC 30046.D760

Company Mull Drilling Co., Inc. Lease & Well No. Foos "B" No. 1-27  
Elevation 2666 KB Formation Lansing/Kansas City "L" Effective Pay -- Ft. Ticket No. J2553  
Date 6-13-10 Sec. 27 Twp. 17S Range 28W County          Lane          State Kansas  
Test Approved By Phil Askey Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 4,150 ft. to 4,210 ft. Total Depth 4,210 ft.  
Packer Depth 4,145 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,150 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,153 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 4,207 ft. Recorder Number 11017 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor WV Drilling, LLC - Rig 10 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 68 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.2 Water Loss 10.4 cc. Drill Pipe Length 4,010 ft. I.D. 3 1/2 in.  
Chlorides 3,400 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 60 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: Very weak, 1/8 in., blow. No blow back during shut-in  
2nd Open: No blow. No blow back during shut-in.

Recovered 15 ft. of drilling mud = .073800 bbls. (Grind out: 1%-water; 99%-mud)  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of         

Remarks         

Time Set Packer(s)	<u>9:10</u>	<u>AM</u>	Time Started Off Bottom	<u>11:20</u>	<u>AM</u>	Maximum Temperature	<u>118°</u>
Initial Hydrostatic Pressure			(A)	<u>2052</u>	P.S.I.		
Initial Flow Period	Minutes	<u>10</u>	(B)	<u>27</u>	P.S.I. to (C)	<u>31</u>	P.S.I.
Initial Closed In Period	Minutes	<u>30</u>	(D)	<u>643</u>	P.S.I.		
Final Flow Period	Minutes	<u>30</u>	(E)	<u>33</u>	P.S.I. to (F)	<u>37</u>	P.S.I.
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>632</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1981</u>	P.S.I.		

## GENERAL INFORMATION

### Client Information:

Company: MULL DRILLING CO. INC.

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

### Site Information:

Contact: PHIL ASKEY

Phone: Fax: e-mail:

### Well Information:

Name: FOOS B 1-27

Operator: MULL DRILLING CO INC

Location-Downhole:

Location-Surface: S27/17S/28W LANE CTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: PHIL ASKEY

Test Type: CONVENTIONAL Job Number: D760

Test Unit:

Start Date: 2010/06/13 Start Time: 19:45:00

End Date: 2010/06/14 End Time: 01:25:00

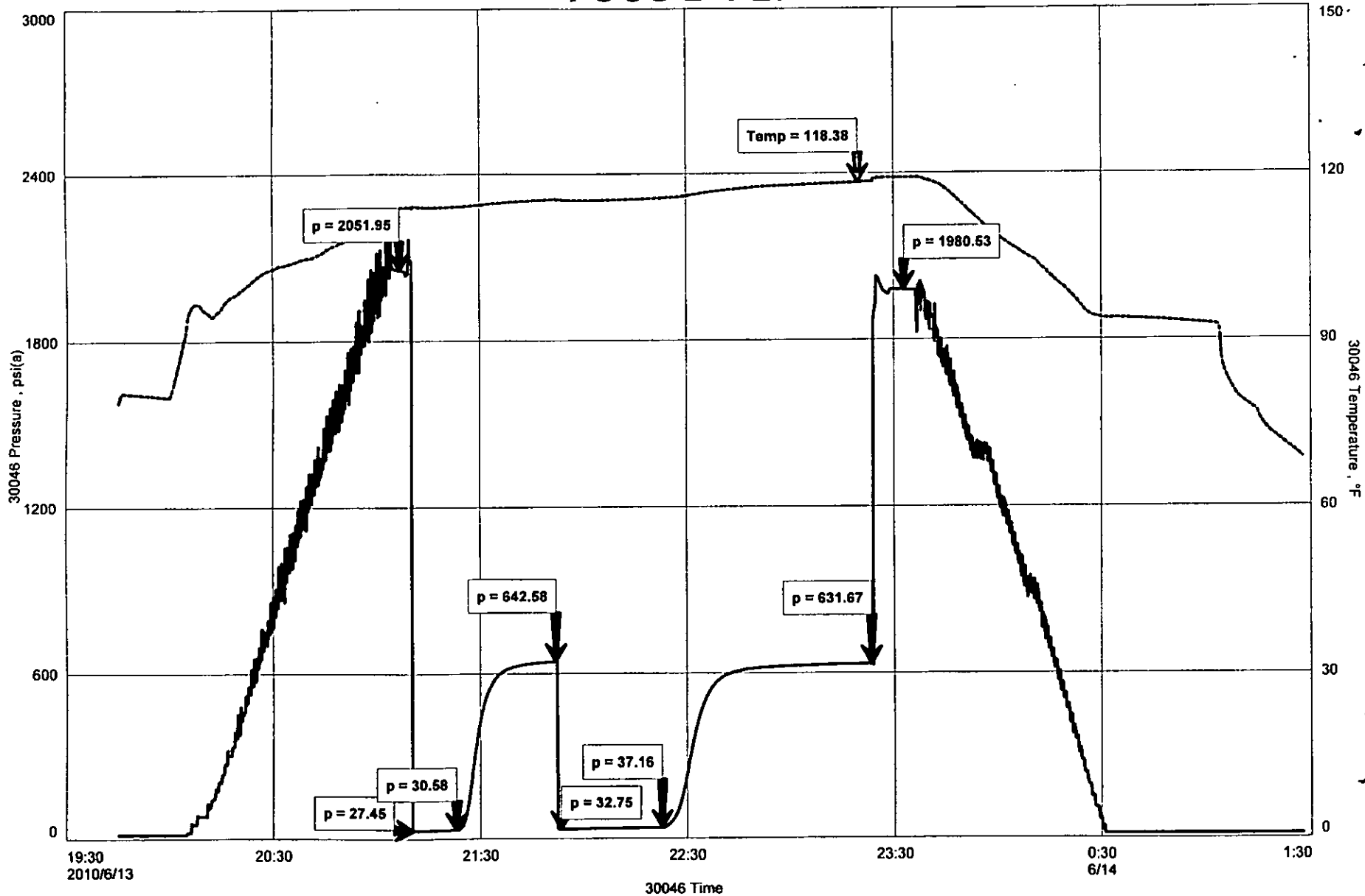
Report Date: 2010/06/14 Prepared By: JOHN RIEDL

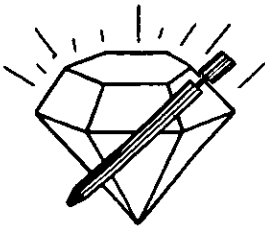
Qualified By: PHIL ASKEY

### Remarks:

RECOVERY: 15' DRILLING MUD

# FOOS B 1-27





# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D759

Company Mull Drilling Co., Inc. Lease & Well No. Foos "B" No. 1-27  
Elevation 2666 KB Formation Lansing/Kansas City "H" Effective Pay -- Ft. Ticket No. J2552  
Date 6-13-10 Sec. 27 Twp. 17S Range 28W County          Lane          State Kansas  
Test Approved By Phil Askey Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 4,115 ft. to 4,140 ft. Total Depth 4,140 ft.  
Packer Depth 4,110 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,115 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,118 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 4,137 ft. Recorder Number 11017 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor WV Drilling, LLC - Rig 10 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.3 Water Loss 9.5 cc. Drill Pipe Length 3,975 ft. I.D. 3 1/2 in.  
Chlorides 2,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 25 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: Very weak, 1/8 in., blow. No blow back during shut-in.  
2nd Open: Very weak, 1/8 in., blow. Dead in 28 mins. No blow back during shut-in.

Recovered 30 ft. of drilling mud = .147600 bbls. (Grind out: 2%-water; 98%-mud)  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of         

Remarks         

Time Set Packer(s) 6:05 ~~RXX~~ <sup>A.M.</sup> Time Started Off Bottom 8:15 ~~RXX~~ <sup>A.M.</sup> Maximum Temperature 121°  
Initial Hydrostatic Pressure ..... (A) 2099 P.S.I.  
Initial Flow Period ..... Minutes 10 (B) 25 P.S.I. to (C) 30 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 530 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 32 P.S.I. to (F) 48 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 526 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1967 P.S.I.



## GENERAL INFORMATION

### Client Information:

Company: MULL DRILLING CO INC

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

### Site Information:

Contact: PHIL ASKEY

Phone: Fax: e-mail:

### Well Information:

Name: FOOS B 1-27

Operator: MULL DRILLING CO. INC.

Location-Downhole:

Location-Surface: S27/17S/28W LANE CTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: PHIL ASKEY

Test Type: CONVENTIONAL Job Number: D759

Test Unit:

Start Date: 2010/06/13 Start Time: 03:35:00

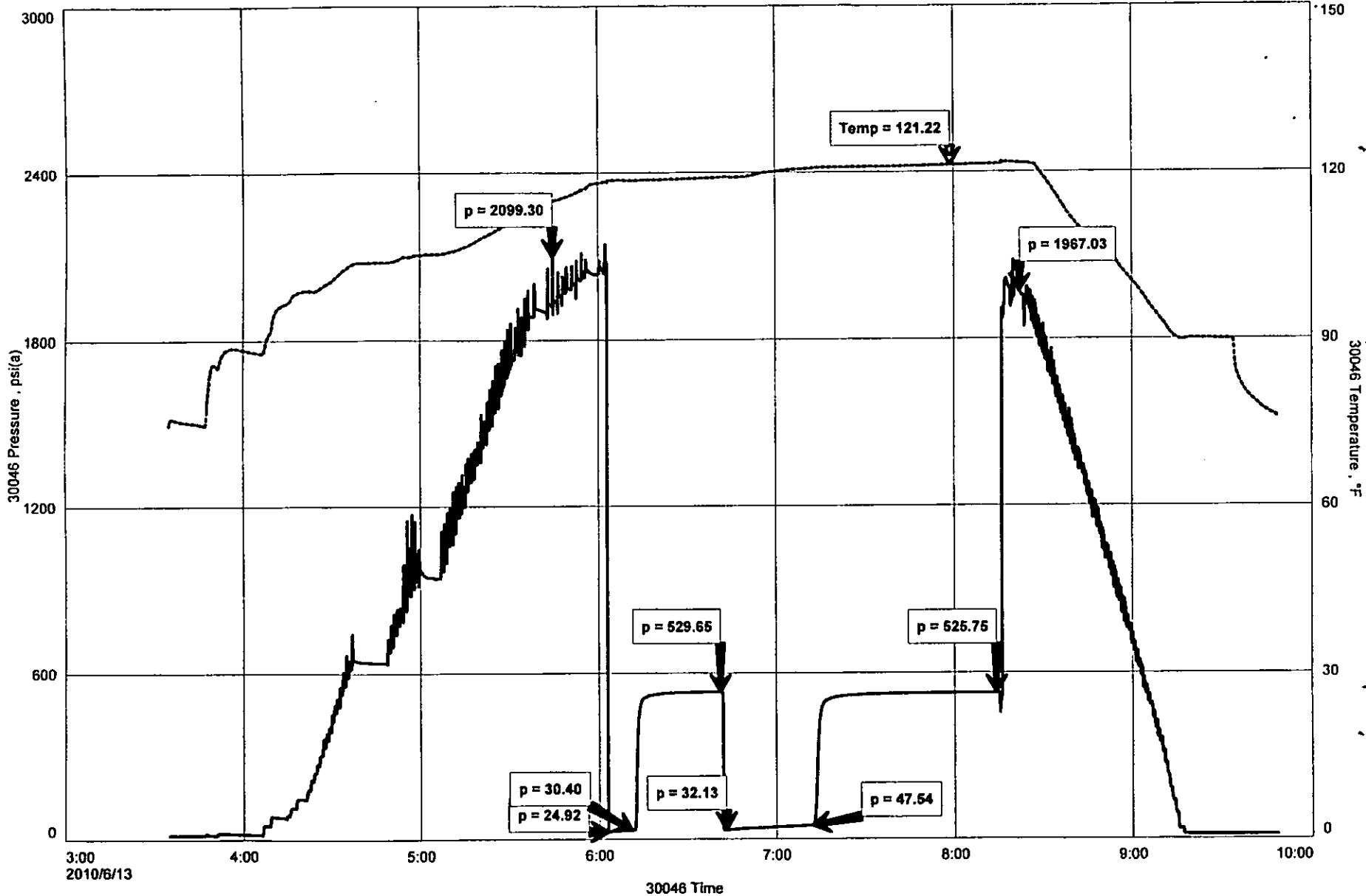
End Date: 2010/06/13 End Time: 09:50:00

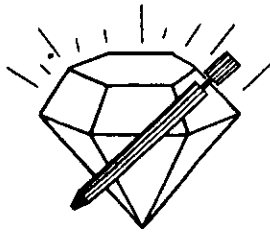
Report Date: 2010/06/13 Prepared By: JOHN RIEDL

Remarks: Qualified By: PHIL ASKEY

RECOVERY: 30' DRILLING MUD

# FOOS B 1-27





# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D 761

Company Mull Drilling Co., Inc. Lease & Well No. Foos "B" No. 1-27  
Elevation 2666 KB Formation Ft. Scott/Cherokee Effective Pay -- Ft. Ticket No. J2554  
Date 6-15-10 Sec. 27 Twp. 17S Range 28W County      Lane      State Kansas  
Test Approved By Phil Askey Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 4,380 ft. to 4,481 ft. Total Depth 4,481 ft.  
Packer Depth 4,375 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,380 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,383 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 4,478 ft. Recorder Number 11017 Cap. 4,000 psi  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 64 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.4 Water Loss 12.0 cc. Drill Pipe Length 4,240 ft. I.D. 3 1/2 in.  
Chlorides 3,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number 2 Anchor Length 101 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 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Very weak surface blow throughout. No blow back during shut-in.  
2nd Open: No blow. Flushed tool & received a weak surge. No blow back during shut-in.

Recovered 25 ft. of drilling mud = .123000 bbls. (Grind out: 3%-water; 97%-mud)  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Remarks     

Time Set Packer(s) 5:50 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 8:00 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 122°  
Initial Hydrostatic Pressure ..... (A) 2159 P.S.I.  
Initial Flow Period ..... Minutes 10 (B) 31 P.S.I. to (C) 32 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 126 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 32 P.S.I. to (F) 41 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 166 P.S.I.  
Final Hydrostatic Pressure ..... (H) 2137 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: MULL DRILLING CO. INC.  
Contact: ERNIE MORRISON  
Phone: Fax: e-mail:

### Site Information:

Contact: PHIL ASKEY  
Phone: Fax: e-mail:

### Well Information:

Name: FOOS B 1-27  
Operator: MULL DRILLING CO INC  
Location-Downhole:  
Location-Surface: S27/17S/28W LANE CTY

### Test Information:

Company: DIAMOND TESTING  
Representative: JOHN RIEDL  
Supervisor: PHIL ASKEY  
Test Type: CONVENTIONAL Job Number: D761  
Test Unit:  
Start Date: Start Time:  
End Date: 2010/06/15 End Time: 04:00:00  
Report Date: 2010/06/15 Prepared By: JOHN RIEDL  
Remarks: Qualified By: PHIL ASKEY

RECOVERY: 25' DRILLING MUD

# FOOS B 1-27

