



KANSAS CORPORATION COMMISSION 1048899
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 # 5144
Name: Mull Drilling Company, Inc.
Address 1: 1700 N WATERFRONT PKWY
Address 2: BLDG 1200
City: WICHITA State: KS Zip: 67206 +
Contact Person: Mark Shreve
Phone: (316) 264-6366
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Phil Askey
Purchaser: N/A

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>09/08/2010</u>	<u>09/15/2010</u>	<u>09/16/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25151-00-00

Spot Description: _____
NW SW NW SE Sec. 30 Twp. 16 S. R. 22 East West
1778 Feet from North / South Line of Section
2580 Feet from East / West Line of Section

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

County: Ness

Lease Name: Jones Unit Well #: 1-30

Field Name: Wildcat

Producing Formation: N/A

Elevation: Ground: 2432 Kelly Bushing: 2437

Total Depth: 4530 Plug Back Total Depth: _____

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: 30000 ppm Fluid volume: 1000 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: 01/04/2011
 Confidential Release Date: 01/03/2013
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 01/05/2011

Operator Name: Mull Drilling Company, Inc. Lease Name: Jones Unit Well #: 1-30
 Sec. 30 Twp. 16 S. R. 22 East West County: Ness

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 checked="" type="checkbox"/> Yes <input 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: CDL/CNL/PE; DIL; Micro & Sonic	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1766</td> <td>+ 671</td> </tr> <tr> <td>B/Anhydrite</td> <td>1804</td> <td>+ 633</td> </tr> <tr> <td>Heebner Shale</td> <td>3823</td> <td>-1386</td> </tr> <tr> <td>Lansing</td> <td>3862</td> <td>-1425</td> </tr> <tr> <td>Ft. Scott</td> <td>4333</td> <td>-1896</td> </tr> <tr> <td>Cherokee Shale</td> <td>4350</td> <td>-1913</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1766	+ 671	B/Anhydrite	1804	+ 633	Heebner Shale	3823	-1386	Lansing	3862	-1425	Ft. Scott	4333	-1896	Cherokee Shale	4350	-1913
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Ft. Scott	4333	-1896																				
Cherokee Shale	4350	-1913																				

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	12.2500	8.6250	23	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: <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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*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

January 04, 2011

Mark Shreve
Mull Drilling Company, Inc.
1700 N WATERFRONT PKWY
BLDG 1200
WICHITA, KS 67206

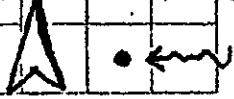
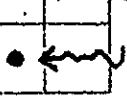
Re: ACO1
API 15-135-25151-00-00
Jones Unit 1-30
SE/4 Sec.30-16S-22W
Ness County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Mark Shreve

#1-30  Well  W/1556m
 JIVEYS
 Samples: Fe, Mn, S, etc.
 Are All
 NS

REMARKS



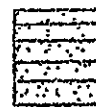


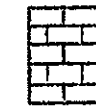
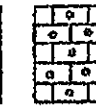

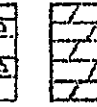
The Mull Drilling Co., Jones Unit # 1-30 ran structurally high on the lower formations to the Reynolds-Resowable, Batt #1. All sample shows were drill stem tested - Ft. Scott, Cherokee Sand, and MISSISSIPPI - with non-commercial pay zones.

After review of all DST data and log evaluation, it was decided to plug and abandon this well.

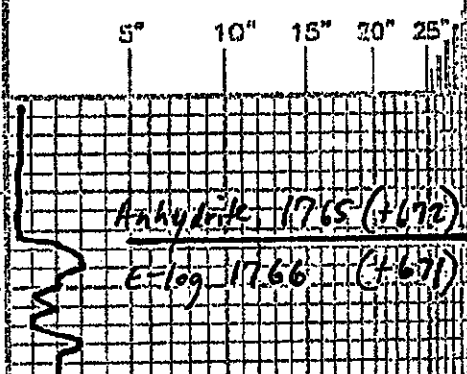
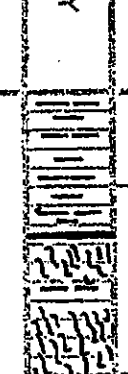
Phil Askey, P.G.

Well API # 15-135-25151

LEGEND

								
Anhydrite	Salt	Sandstone	Shale	Crb sh	Limestone	Coi. Lime	Chert	Dolomite

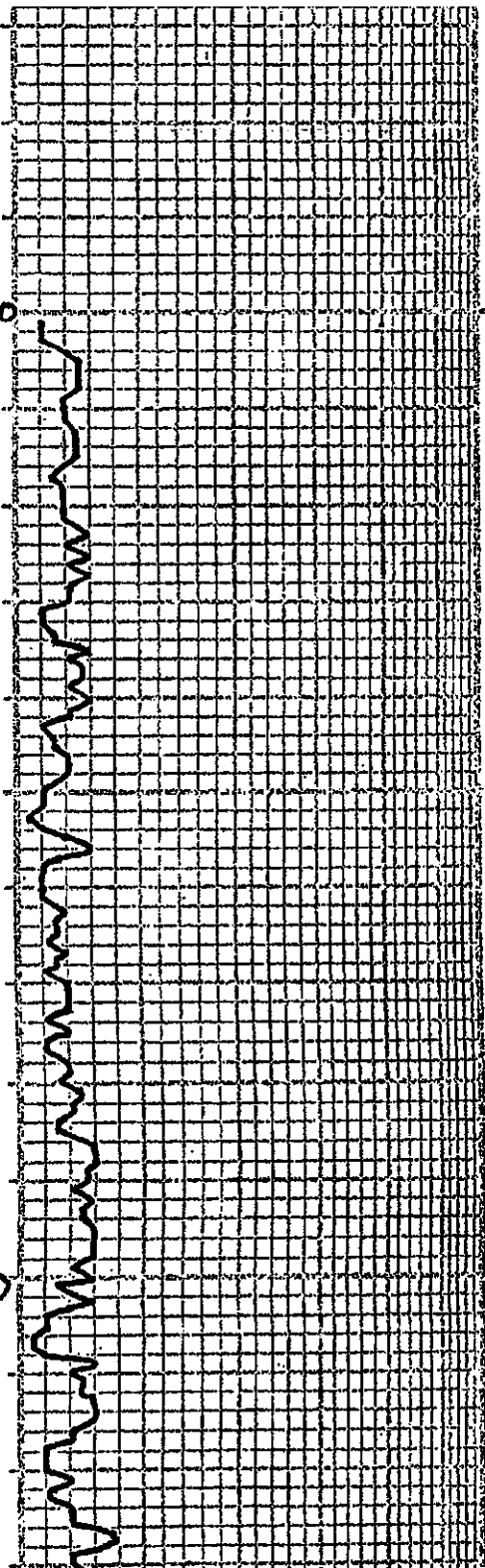
SCALE " = 100'

DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Increases	LITHOLOGY	SAMPLE DESCRIPTIONS	REMARKS
	5" 10" 15" 20" 25"			
1950	 <p>Anhydrite 17.65 (+672)</p> <p>E-log 17.66 (+671)</p>			

3600

50

3700



LS, tan brn. gy. fm. das,
 mic. sil. fss, arg, plly,
 mod. ch. clay.

SH, dk gy. blk

LS, tan gy. brn. das,
 mic. sil. fss, arg, plly

LS, tan com. brn. fm., sil. fss, deli,
 mod. sil. fss, arg, plly, NS
 mod. ch. clay

LS, mod. wh. ch. clay
 tan brn. gy. fm. das, sil. fss,
 arg, sm. ch. clay, v. sil. fss,
 sat. sil. fss, NS
 tan brn. blk

LS, tan gy. fm. das, sil. fss,
 mod. ch. clay, sat. sil. fss, NS

SH, ll, ls, comb

LS, tan brn. blk, mod. das,
 mod. ch. clay, tan, v. sil. fss, NS

LS, conch. sil. fm., mod. ch. clay,
 v. sil. fss, sat. sil. fss, NS

LS, conch. brn. sil. fm., mod. ch. clay,
 v. sil. fss, sat. sil. fss, NS

Samples: 10' wet & dry

3600-RTD good samples

Rig data:

WOB 38K PP 850-900'

SPM 60 RPM 85

Mud. co. data @ 3650'

WT 8.8 vis 55 WL 6.2

PH 11.5 CL 3,600ppm LCM 2#

Bit data:

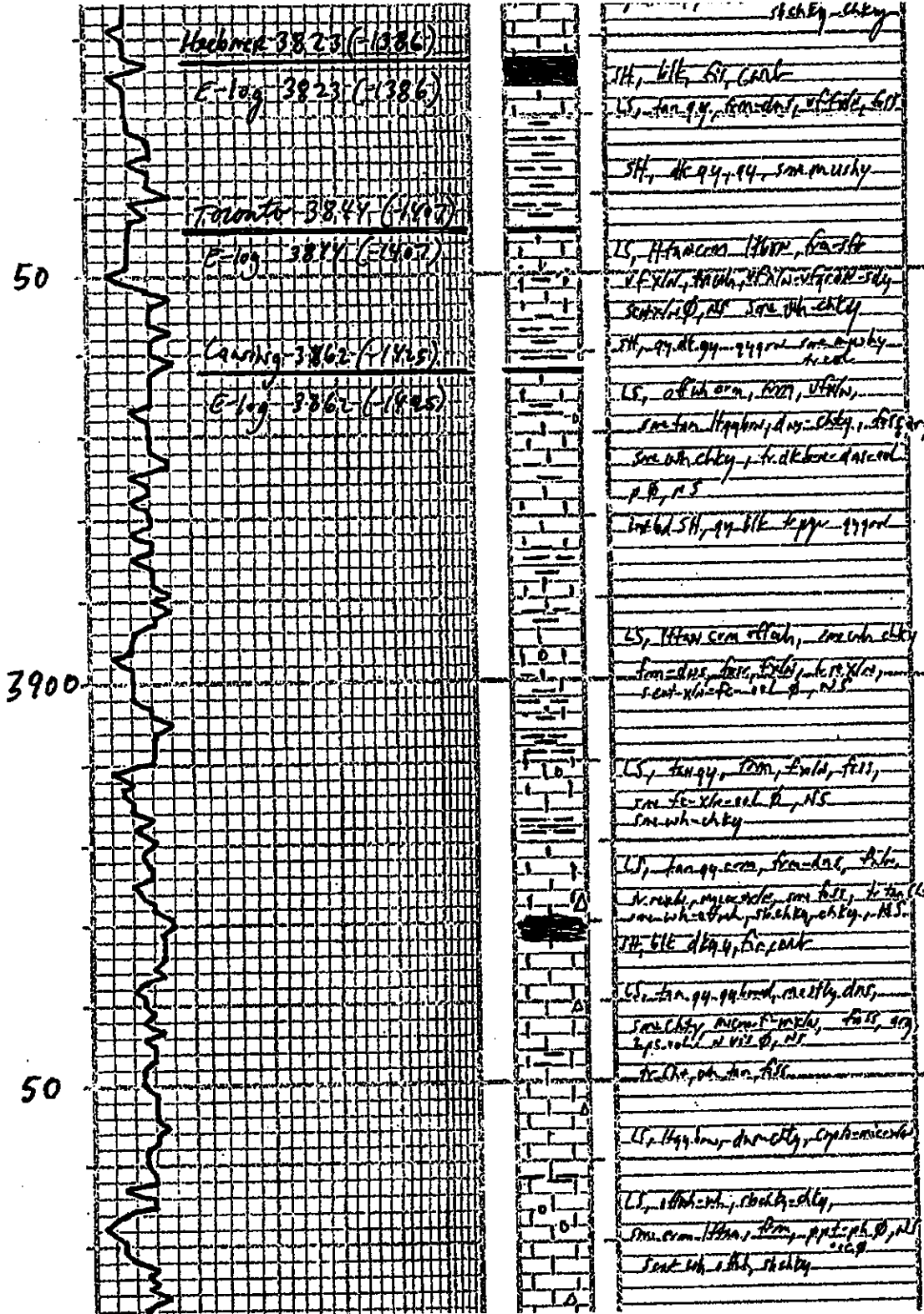
Smith 7 7/8" F271Y 219'-RTD

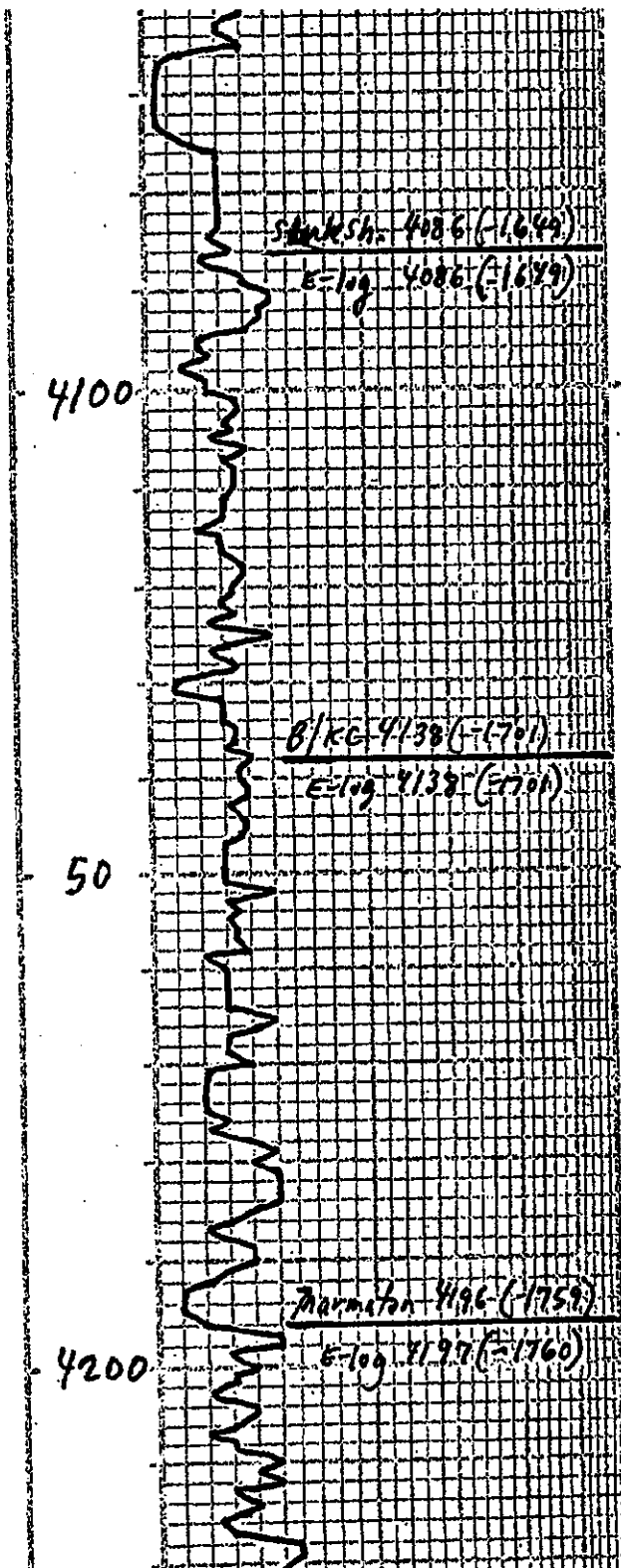
93 3/4 hrs

Dev Surveys =

1° @ 218'

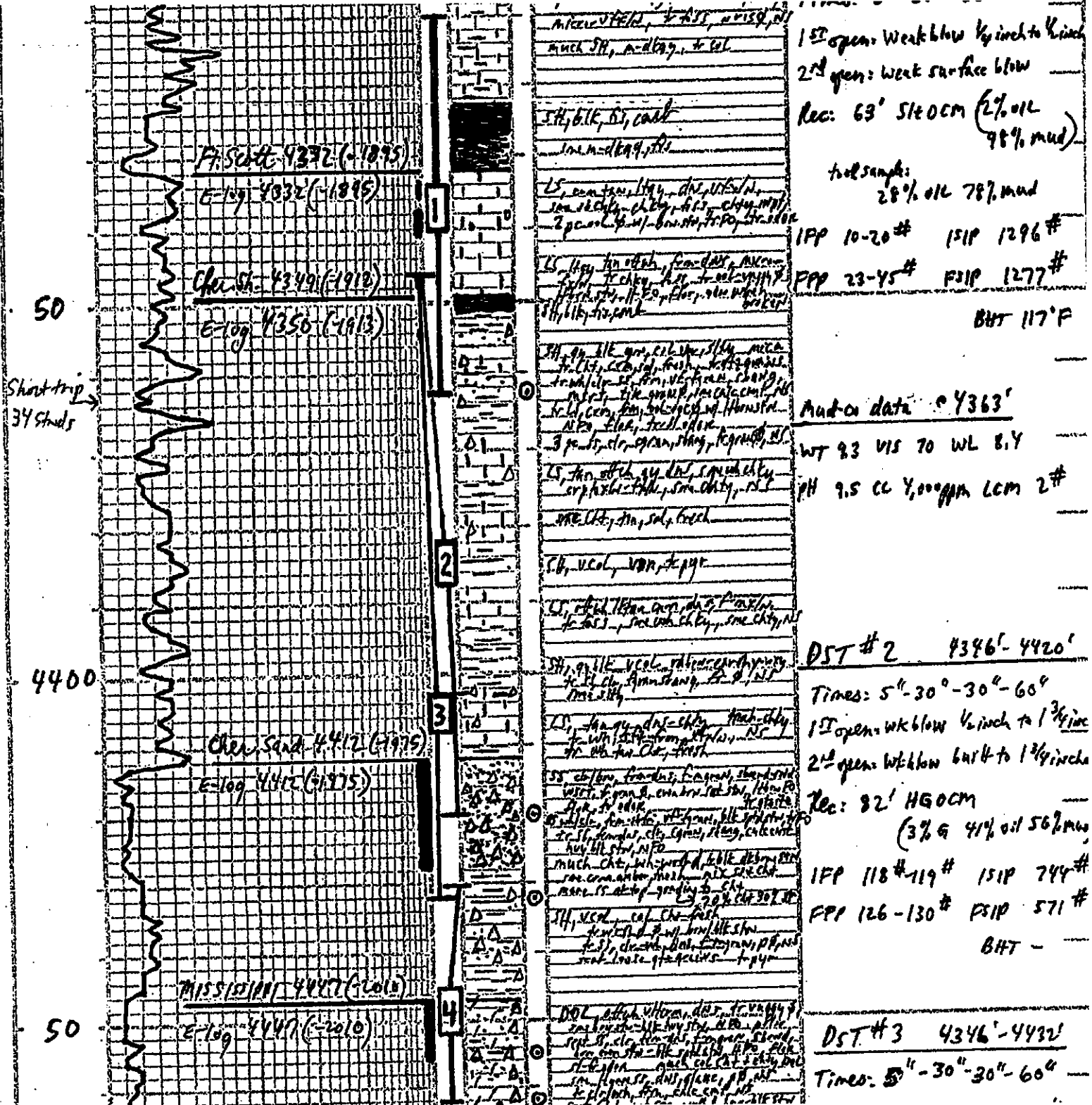
1 1/4° @ 4363'





0.01	LS, tan con, fine dns,
0.01	g.00c-001.0, NS
0.01	LS, tan, con, g. sec-ool sh. NS
0.01	LS, tan, g. q. base, dns-cty
0.01	micro-fine, to fine, sec-ool, NS
0.01	SH, blk, med, g. q. NS
0.01	LS, tan, con, fine dns, sh. sec-ool, NS
0.01	LS, blk, tan, g. q., dns-cty,
0.01	micro-fine, arg., sec-ool,
0.01	sec-ool, sh. sec-ool,
0.01	sec-ool, sec-ool, NS
0.01	LS, tan, g. q. base, dns, sh. sec-ool,
0.01	sh. sec-ool, sh. sec-ool,
0.01	sh. sec-ool,
0.01	LS, tan, con, fine dns, sh. sec-ool, NS
0.01	SH, blk, med, g. q. base, sh. sec-ool,
0.01	sh. sec-ool, sh. sec-ool,
0.01	LS, tan, g. q. base, fine dns,
0.01	micro-fine, to fine, sec-ool, NS
0.01	sh. sec-ool,
0.01	sh. sec-ool, sh. sec-ool, NS
0.01	LS, tan, g. q. base, sh. sec-ool, NS
0.01	micro-fine, to fine, sec-ool, NS
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0.01	sh. sec-ool, sh. sec-ool,
0.01	LS, tan, g. q. base, sh. sec-ool, NS
0.01	micro-fine, to fine, sec-ool, NS
0.01	sh. sec-ool,
0.01	sh. sec-ool, sh. sec-ool, NS
0.01	SH, blk, med, g. q. base, sh. sec-ool,
0.01	sh. sec-ool, sh. sec-ool,

Mud-co data P 4145'
 WT 9.1 VIS 60 WL 7.8
 pH 10.5 CL 3,700 ppm LCM 2nd



DEPTH	DRILLING TIME Minutes/Foot Rate of Penetration Increases	LITHOLOGY	SAMPLE DESCRIPTIONS	REMARKS
	5" 10" 15" 20" 25"			<p>(6% OIL 45% WTR 49% MW) 124' 0 CMW (2% OIL 56% WTR 42% MW) 123' MW (91% WTR 9% MW) SCUM OIL CL 18,000 ppm</p> <p>Total fluid 319' IPP 16-48# ISIP 1317# FFP 55-148# FTIP 1316# BHT 124°F</p> <p>Mud-co data @ 4432' WT 8.9 VIS 65 WL 7.8 pH 10.0 CL 4,000ppm LCM 2#</p> <p>Mud-co data @ 4462' WT 9.1 VIS 68 WL 8.0 pH 9.5 CL 3,700ppm LCM 2#</p>

COMPANY Mull Drilling Company, Inc.
 LEASE Jones Unit # 1-30
 LOCATION 1778' ECL & 2580' FEL SEC 30 TWP 16S RNG 22W
 COUNTY Ness STATE Kansas

ELEVATION: 2437 FB

Diamond Testing

General information Report

General Information

Company Name MULL DRILLING COMPANY, INC.

Contact	ERNIE MORRISON	Job Number	
Well Name	JONES UNIT #1-30	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #1 FT. SCOTT CHERO. 'A' 4,310' - 4,363'	Well Operator	MULL DRILLING COMPANY, INC.
Surface Location	SEC 30-16S-22W NESS COUNTY, KS	Report Date	2010/09/13
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #1 FT. SCOTT CHERO. 'A' 4,310' - 4,363'		
Well Fluid Type	01 Oil	Start Test Time	07:40:00
		Final Test Time	13:42:00
Start Test Date	2010/09/13		
Final Test Date	2010/09/13		
Gauge Name	1150		
Gauge Serial Number			

Test Results

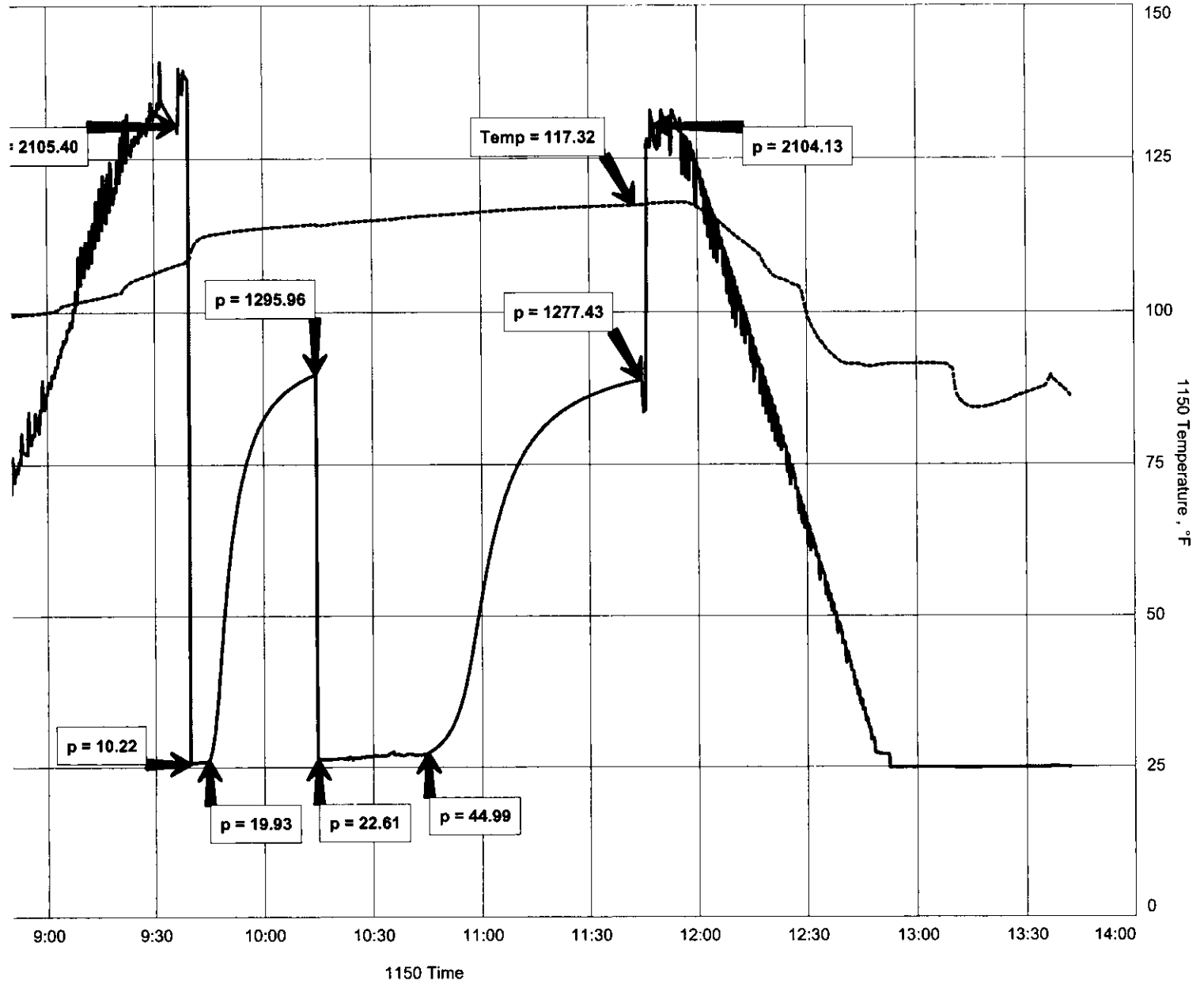
RECOVERED: 63' SLTOCM 2% OIL, 98% MUD

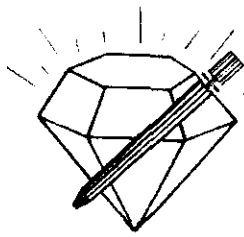
TOOL SAMPLE: 28% OIL, 72% MUD

' - 4,363'

JONES UNIT #1-30
Formation: DST #1 FT. SCOTT \ CHERO. 'A' 4,310' - 4,363'

JONES UNIT #1-30





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

CLOCK ON: 07:40

CLOCK OFF: 13:42

DRILL -STEM TEST TICKET

Company MULL DRILLING COMPANY, INC. Lease & Well No. JONES UNIT #1-30
Contractor W.W. DRILLING RIG #6 Charge to MULL DRILLING COMPANY, INC.
Elevation 2,439' KB Formation FT SCOTT \ CHERO. 'A' Effective Pay _____ Ft. Ticket No. _____
Date 9.13.10 Sec. 30 Twp. 16 S Range 22 W County NESS State KANSAS
Test Approved By PHIL ASKEY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 4,310 ft. to 4,363 ft. Total Depth 4,363 ft.
Packer Depth 4,305 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,310 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) _____ 4,291 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) _____ 4,360 ft. Recorder Number 3815 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 7.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,700 P.P.M. Drill Pipe Length 4,145 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number #3 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 53 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING 1/2" (NObb)
2nd Open: WEAK SURFACE BLOW AFTER 25 MIN (NObb)

Recovered 63 ft. of SLTOCM 2% OIL, 98% MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 28% OIL, 72% MUD	Total

Time Set Packer(s) 9:40 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) 2,105 P.S.I.
Initial Flow Period Minutes 5 (B) 10 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period Minutes 30 (D) 1,296 P.S.I.
Final Flow Period Minutes 30 (E) 23 P.S.I. to (F) 45 P.S.I.
Final Closed In Period Minutes 60 (G) 1,277 P.S.I.
Final Hydrostatic Pressure (H) 2,104 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

General information Report

General Information

Company Name MULL DRILLING COMPANY, INC.

Contact	ERNIE MORRISON	Job Number	
Well Name	JONES UNIT #1-30	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #2 CHEROKEE 4,346' - 4,420'	Well Operator	MULL DRILLING COMPANY, INC.
Surface Location	SEC 30-16S-22W NESS COUNTY, KS	Report Date	2010/09/14
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #2 CHEROKEE 4,346' - 4,420'		
Well Fluid Type	01 Oil	Start Test Time	23:15:00
		Final Test Time	03:40:00
Start Test Date	2010/09/13		
Final Test Date	2010/09/14		
Gauge Name	1150		
Gauge Serial Number			

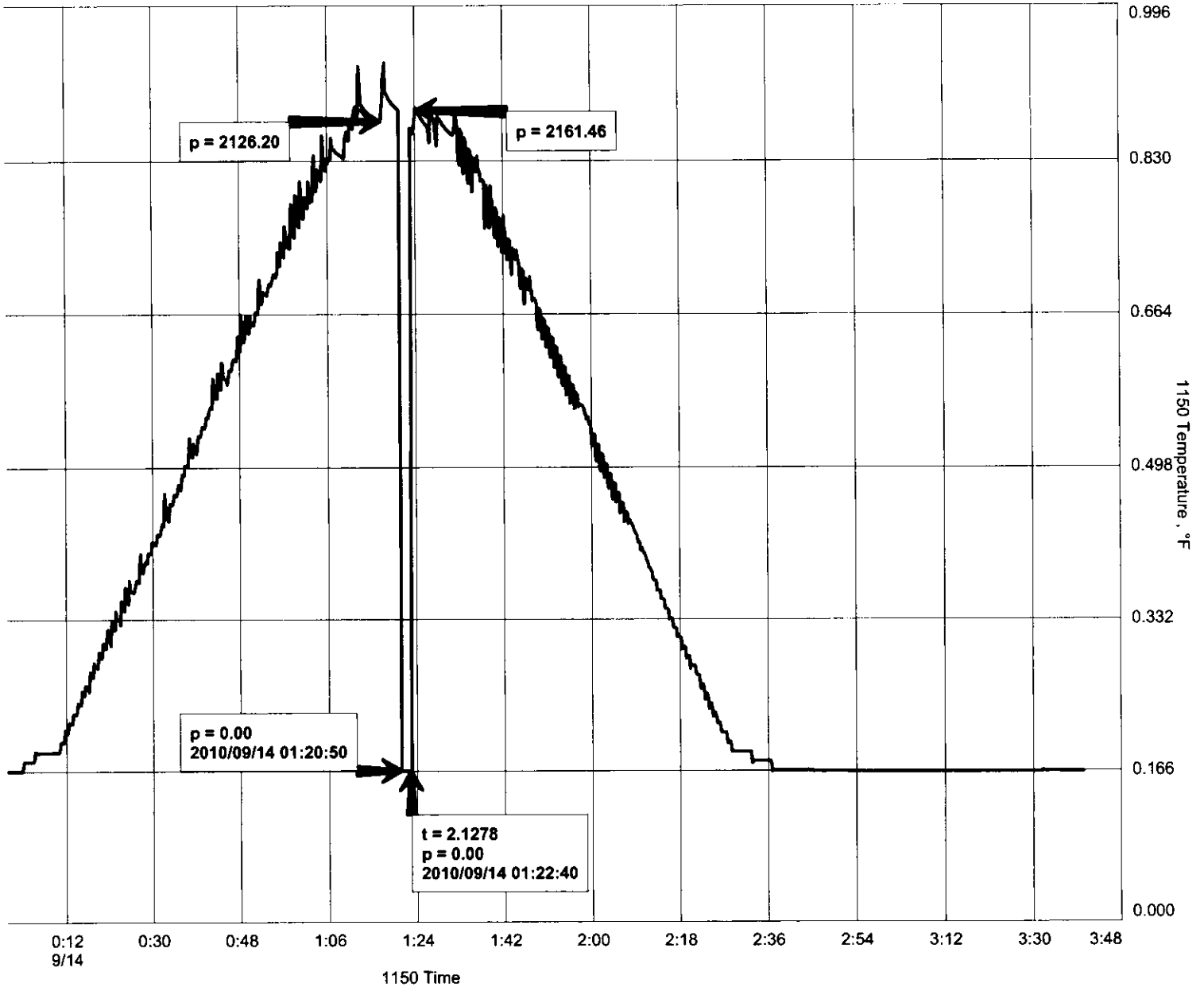
Test Results

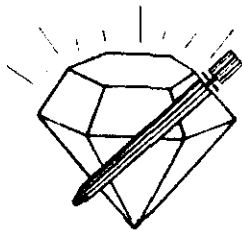
RECOVERED: 82' HGOCM 3% GAS, 41% OIL, 56% MUD

TOOL SAMPLE: 4% GAS, 44% OIL, 56% MUD

ELECTRONIC BATTERY STOPPED THE RESTARTED
REPLACE BATTERY 9-14-2010

JONES UNIT #1-30





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

CLOCK ON: 23:15 (9.13)
CLOCK OFF: STOPPED (9.14)

DRILL -STEM TEST TICKET

Company MULL DRILLING COMPANY, INC. Lease & Well No. JONES UNIT #1-30
Contractor W.W. DRILLING RIG #6 Charge to MULL DRILLING COMPANY, INC.
Elevation 2,439' KB Formation CHEROKEE Effective Pay _____ Ft. Ticket No. _____
Date 9.14.10 Sec. 30 Twp. 16 S Range 22 W County NESS State KANSAS
Test Approved By PHIL ASKEY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 4,346 ft. to 4,420 ft. Total Depth 4,420 ft.
Packer Depth 4,341 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,346 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) _____ 4,327 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) _____ 4,417 ft. Recorder Number 3815 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 4,190 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number #3 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 74 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING 1 3/4" (NObb)
2nd Open: WEAK SURFACE BLOW INCREASING TO 1 3/4" (NObb)

Recovered 82 ft. of HGOCM 3% GAS, 41% OIL, 56% MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>READING ARE MANUAL RECORDER. ELECTRONIC BATTERY STOPPED THEN RESTARTED. REPLACE BATTERY 9-14-10</u>	Insurance
<u>TOOL SAMPLE: 4% GAS, 44% OIL, 52% MUD</u>	Total

Time Set Packer(s) 1:23 A.M. A.M. P.M. Time Started Off Bottom 3:28 A.M. A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure (A) 2,218 P.S.I.
Initial Flow Period Minutes 5 (B) 118 P.S.I. to (C) 119 P.S.I.
Initial Closed In Period Minutes 30 (D) 744 P.S.I.
Final Flow Period Minutes 30 (E) 126 P.S.I. to (F) 130 P.S.I.
Final Closed In Period Minutes 60 (G) 571 P.S.I.
Final Hydrostatic Pressure (H) 2,192 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

General information Report

General Information

Company Name MULL DRILLING COMPANY, INC.

Contact	ERNIE MORRISON	Job Number	
Well Name	JONES UNIT #1-30	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #3 CHEROKEE 4,346' - 4,432'	Well Operator	MULL DRILLING COMPANY, INC.
Surface Location	SEC 30-16S-22W NESS COUNTY, KS	Report Date	2010/09/14
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

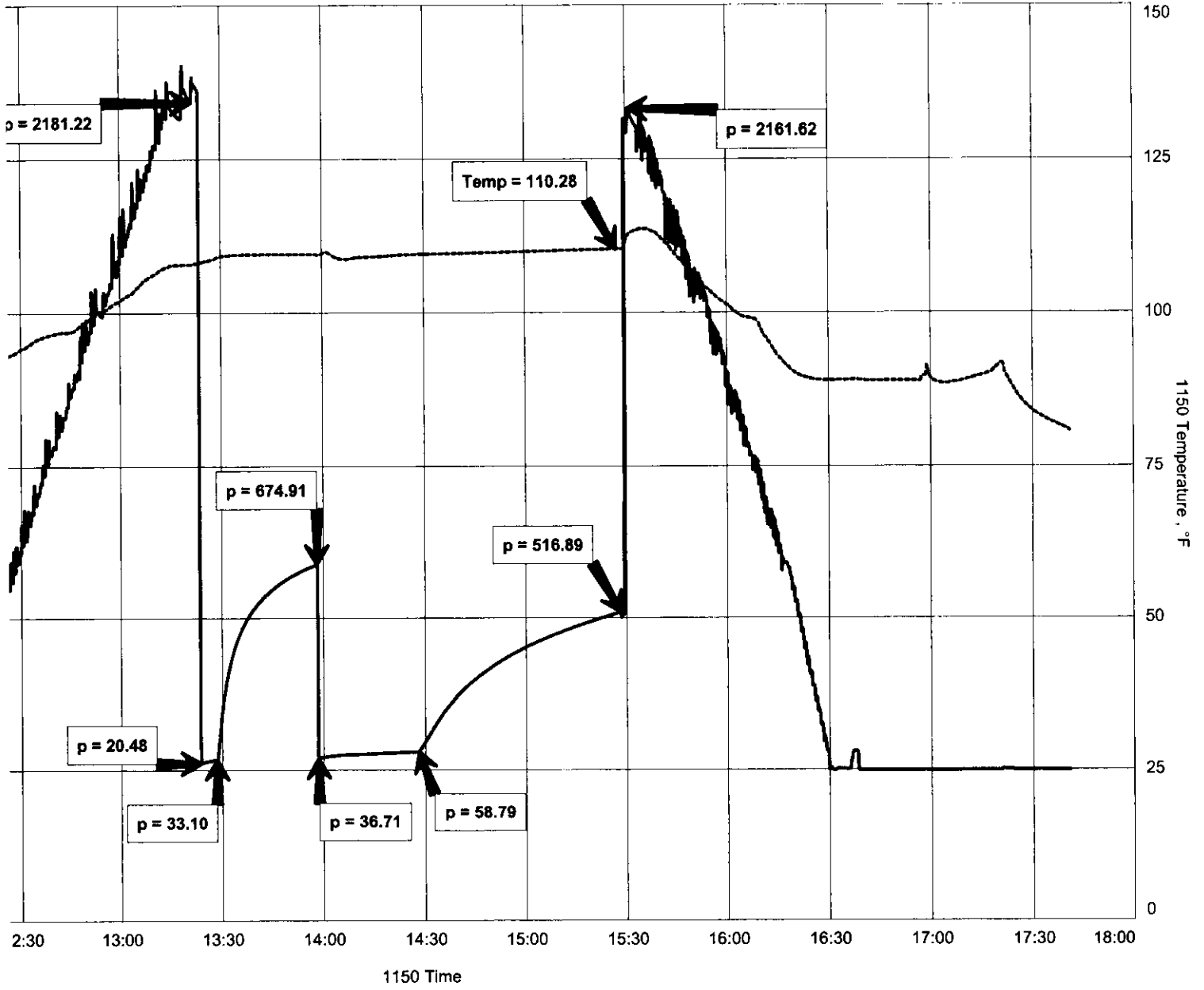
Test Type	CONVENTIONAL	Start Test Time	11:21:00
Formation	DST #3 CHEROKEE 4,346' - 4,432'	Final Test Time	17:41:00
Well Fluid Type	01 Oil		
Start Test Date	2010/09/14		
Final Test Date	2010/09/14		
Gauge Name	1150		
Gauge Serial Number			

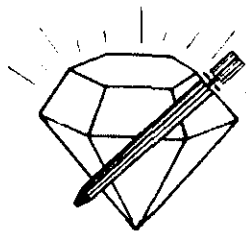
Test Results

RECOVERED: 82' G&OCM 2% GAS, 16% OIL, 82% MUD

TOOL SAMPLE: 4% GAS, 21% OIL, 75% MUD

JONES UNIT #1-30





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

CLOCK ON: 11:21

CLOCK OFF: 1741

DRILL -STEM TEST TICKET

Company MULL DRILLING COMPANY, INC. Lease & Well No. JONES UNIT #1-30
Contractor W.W. DRILLING RIG #6 Charge to MULL DRILLING COMPANY, INC.
Elevation 2,439' KB Formation CHEROKEE Effective Pay _____ Ft. Ticket No. _____
Date 9.14.10 Sec. 30 Twp. 16 S Range 22 W County NESS State KANSAS
Test Approved By PHIL ASKEY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 3 Interval Tested from 4,346 ft. to 4,432 ft. Total Depth 4,432 ft.
Packer Depth 4,341 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,346 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4,327 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4,429 ft. Recorder Number 3815 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 65 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 7.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 4,190 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number #3 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 86 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 62' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING 1 1/4" (NObb)
2nd Open: WEAK SURFACE AFTER 6 MIN INCREASING TO 1/2" (NObb)

Recovered 82 ft. of G&OCM 2% GAS, 16% OIL, 82% MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>4% GAS, 21% OIL, 75% MUD</u>	Total

Time Set Packer(s) 1:24 P.M. A.M. P.M. Time Started Off Bottom 3:29 P.M. A.M. P.M. Maximum Temperature 110
Initial Hydrostatic Pressure (A) 2,181 P.S.I.
Initial Flow Period _____ Minutes 5 (B) 20 P.S.I. to (C) 33 P.S.I.
Initial Closed In Period _____ Minutes 30 (D) 675 P.S.I.
Final Flow Period _____ Minutes 30 (E) 37 P.S.I. to (F) 59 P.S.I.
Final Closed In Period _____ Minutes 60 (G) 517 P.S.I.
Final Hydrostatic Pressure (H) 2,162 P.S.I.

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Diamond Testing

General information Report

General Information

Company Name MULL DRILLING COMPANY, INC.

Contact	ERNIE MORRISON	Job Number	
Well Name	JONES UNIT #1-30	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #4 MISSISSIPPI 4,430' - 4,462'	Well Operator	MULL DRILLING COMPANY, INC.
Surface Location	SEC 30-16S-22W NESS COUNTY, KS	Report Date	2010/09/15
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #4 MISSISSIPPI 4,430' - 4,462'		
Well Fluid Type	01 Oil	Start Test Time	01:15:00
		Final Test Time	09:33:00
Start Test Date	2010/09/15		
Final Test Date	2010/09/15		
Gauge Name	1150		
Gauge Serial Number			

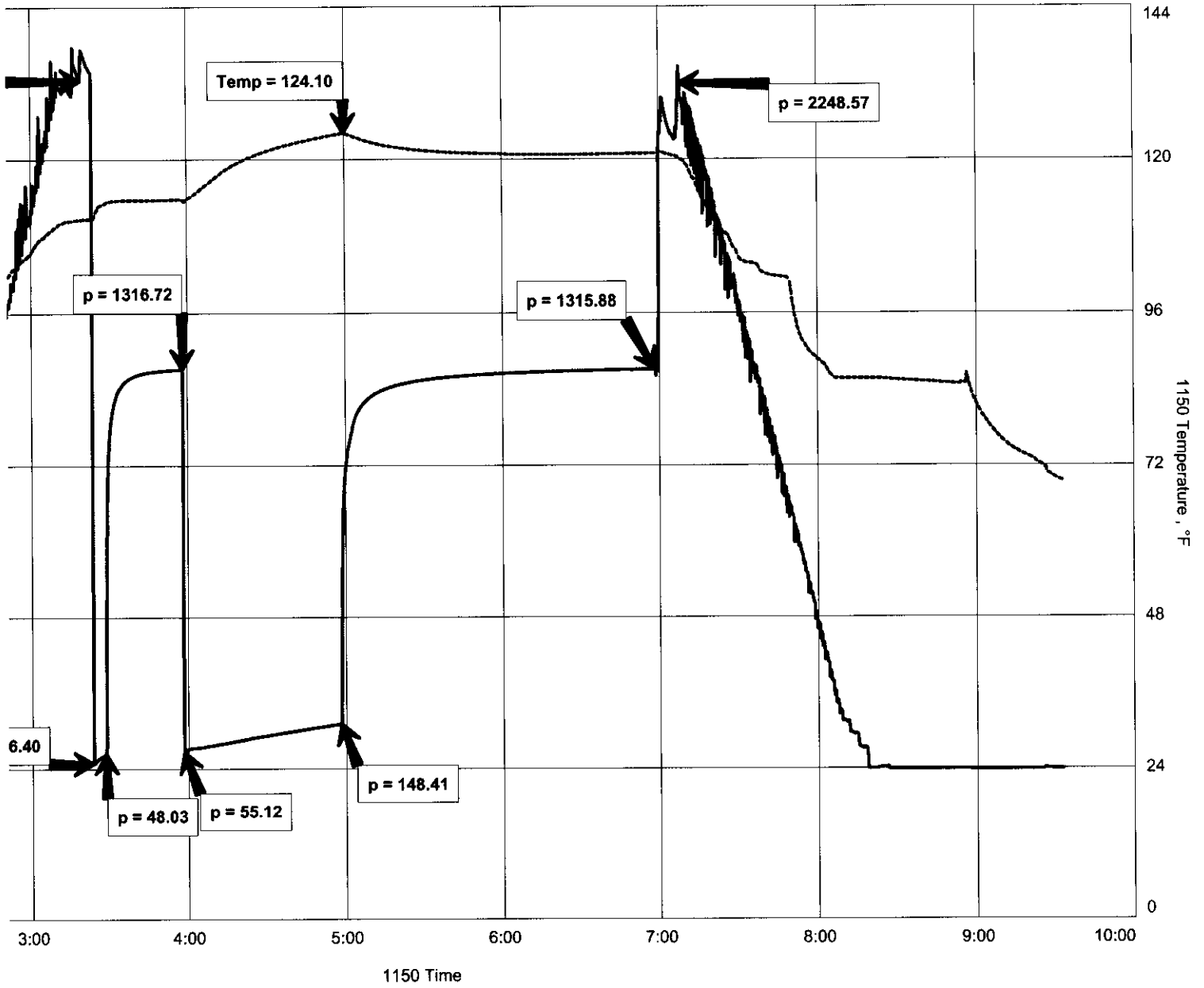
Test Results

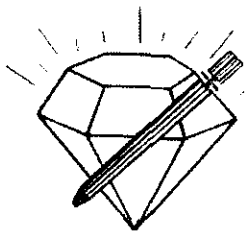
RECOVERED: 50' GAS IN PIPE
15' CO 35.4 GRAVITY @ 60 deg.
57' OCMW 6% OIL, 45% WTR, 49% MUD
124' OCMW 2% OIL, 56% WTR, 42% MUD
123' MW 91% WTR, 9% MUD - SCUM OF OIL
319' TOTAL FLUID

TOOL SAMPLE: 2% OIL, 90% WTR, 8% MUD

CHLORIDES: 18,000 Ppm
PH: 7.0
RW: .35 @ 68 deg

JONES UNIT #1-30





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

CLOCK ON: 01:15

CLOCK OFF: 09:33

DRILL - STEM TEST TICKET

Company MULL DRILLING COMPANY, INC. Lease & Well No. JONES UNIT #1-30
Contractor W.W. DRILLING RIG #6 Charge to MULL DRILLING COMPANY, INC.
Elevation 2,439' KB Formation MISSISSIPPI Effective Pay _____ Ft. Ticket No. _____
Date 9.15.10 Sec. 30 Twp. 16 S Range 22 W County NESS State KANSAS
Test Approved By PHIL ASKEY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 Interval Tested from 4,430 ft. to 4,462 ft. Total Depth 4,462 ft.
Packer Depth 4,425 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,430 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 4,411 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) _____ 4,459 ft. Recorder Number 3815 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 65 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 7.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 4,274 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number #3 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 32 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW INCREASING 2 3/4" (NObb)
2nd Open: WEAK SURFACE BLOW INCREASING TO BOTTOM OF BUCKET IN 42 1/2 MIN (NObb)

Recovered <u>50</u> ft. of <u>GAS IN PIPE</u>	
Recovered <u>15</u> ft. of <u>CO 35.4 GRAVITY @ 60 deg</u>	
Recovered <u>57</u> ft. of <u>OCWM 6% OIL, 45% WTR, 49% MUD</u>	
Recovered <u>124</u> ft. of <u>OCMW 2% OIL, 56% WTR, 42% MUD</u>	Price Job
Recovered <u>123</u> ft. of <u>MW 91% WTR, 9% MUD - SCUM OF OIL</u>	Other Charges
Remarks: <u>319' TOTAL FLUID</u> CHLORIDES: 18,000 Ppm : PH: 7.0 : RW .35 @ 68 deg	Insurance
<u>TOOL SAMPLE: 2% OIL, 90% WTR, 8% MUD</u>	Total

Time Set Packer(s) 3:24 A.M. A.M. P.M. Time Started Off Bottom 6:59 A.M. A.M. P.M. Maximum Temperature 124
Initial Hydrostatic Pressure (A) 2,259 P.S.I.
Initial Flow Period Minutes 5 (B) 16 P.S.I. to (C) 48 P.S.I.
Initial Closed In Period Minutes 30 (D) 1,317 P.S.I.
Final Flow Period Minutes 60 (E) 55 P.S.I. to (F) 148 P.S.I.
Final Closed In Period Minutes 120 (G) 1,316 P.S.I.
Final Hydrostatic Pressure (H) 2,249 P.S.I.

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CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8878

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 24450
LOCATION Chanute, KS
FOREMAN Pat Heister

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-8-10	5659	Jones Unit 1-30	30	16S	22W	Ness
CUSTOMER Midline Drilling Company, Inc			TRUCK #			
MAILING ADDRESS 1700 N Waterfront Pkwy			DRIVER			
CITY Wichita			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 67206			TRUCK #			

JOB TYPE Surface ° 0 HOLE SIZE 12 1/4 HOLE DEPTH 238 CASING SIZE & WEIGHT 8 5/8 23.8
 CASING DEPTH 210 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/bk 6.5 CEMENT LEFT in CASING 15'
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MDX PSI _____ RATE _____

REMARKS: mix 150 sk 3% cc 2% gel Displace 12 1/2 @ 150 PSI shut in @ 100 PSI
circulated good cement

Thank you
Pat & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	965.00	965.00
54016	20 mile	MILEAGE	4.50	90.00
5407	MRN	Bulk Delivery	390.00	390.00
1104	150 sk	Class "A" Cement	16.00	2400.00
1102	493 lbs	Calcium chloride	1.88	727.24
1188	282 lbs	Bentonite	.20	56.40
234503				
			Subtotal	4292.64
			Less	20% - 858.72
			SALES TAX	178.20
			ESTIMATED TOTAL	3613.12

AUTHORIZATION [Signature] TITLE Dr. Heister DATE 9-8-10



CONSOLIDATED
OIL WELL SERVICES, LLC

TICKET NUMBER 24455
LOCATION Daly KS
FOREMAN Pat Walker

PO Box 884, Chanute, KS 66720
620-431-8210 or 800-467-8678

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-16-10	5659	Jones Unit 1-30	30	16S	22W	Ness
CUSTOMER Mull Drilling Company, Inc.			TRUCK #			
MAILING ADDRESS 1700 N Waterfront Pkwy Bldg 1200			DRIVER			
CITY Wichita		STATE KS	TRUCK # 463		DRIVER Shannon F	
ZIP CODE 67204		TRUCK # 439		DRIVER Miles S Billy N		
JOB TYPE Plug	HOLE SIZE	HOLE DEPTH	CASING SIZE & WEIGHT			
CASING DEPTH	DRILL PIPE	TUBING	OTHER			
SLURRY WEIGHT 15.3	SLURRY VOL	WATER gal/sk	CEMENT LEFT IN CASING			
DISPLACEMENT	DISPLACEMENT PSI	MDX PSI	RATE			
REMARKS: 1 st 50 sks @ 1800' 2 nd 80 sks @ 1070' 3 rd 50 sks @ 500' 4 th 50 sks @ 250' 5 th 20 sks @ 60' Bottom hole 35 sks						

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5465N	1	PUMP CHARGE	1200 ⁰⁰	1200 ⁰⁰
5406	20 mi	MILEAGE	450 ⁰⁰	900 ⁰⁰
5407	1204 Ton	Min Bulk Delivery	399 ⁰⁰	399 ⁰⁰
1131	280 sks	60/40 Poz	13 ⁰⁰	3640 ⁰⁰
118A	963.2 lbs	Bentonite	.20	192.64
1102	60.2 lbs	Flo Seal	2.50	150.50
2366615				
Subtotal				5663.14
Less			20.76	1132.62
				4530.52
			SALES TAX	259.94
			ESTIMATED TOTAL	4781.46

Rev 3/737

AUTHORIZATION Maui Ryege TITLE Tool Pusher DATE 9-16-10