

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	MULL DRLG CO. INC.	Job Number	M537
Well Name	SOMY #1-5	Representative	MIKE COCHRAN
Unique Well ID	DST#4 4468-4480 CHEROKEE SAND STRADDLE	Well Operator	MULL DRLG CO. INC.
Surface Location	SEC.5-17S-24W NESS CO.KS.	Report Date	2013/08/30
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KEVIN L. KESSLER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 4468-4480 CHEROKEE SAND STRADDLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/08/30	Start Test Time	04:25:00
Final Test Date	2013/08/30	Final Test Time	12:40:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
220' GMW 1% GAS, 98% WTR, 1% MUD
220" TOTAL FLUID (96' DP,124' DC)

CHLOR: 15,000 PPM
PH:8.0
RW: .50 @ 90 DEG

TOOL SAMPLE: 60% WTR, 40% MUD, W/ A VERY THIN SCUM OF OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SMY1-5DST4

TIME ON: 0425
TIME OFF: 1240

Company MULL DRLG CO. INC. Lease & Well No. SOMY #1-5
Contractor WW RIG 10 Charge to MULL DRLG CO. INC.
Elevation 2470 KB Formation CHEROKEE SAND Effective Pay 12 Ft. Ticket No. M537
Date 8/30/2013 Sec. 5 Twp. 17 S Range 24 W County NESS State KANSAS
Test Approved By KEVIN L. KESSLER Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 4468 ft. to 4480 ft. Total Depth 4570 ft.
Packer Depth 4463 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 4468 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4450 ft. Recorder Number 0063 Cap. 3603 P.S.I.
Bottom Recorder Depth (Outside) 4476 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth 4567 ft. Recorder Number E1150 Cap. 6125 P.S.I.

Mud Type CHEM Viscosity 52 Drill Collar Length 124 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,500 P.P.M. Drill Pipe Length 4312 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 12 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 3/4" (NO BB)
2nd Open: A VWSB, INC. TO 7 1/4 (A VERY VERY WEAK SHORT LIVED SURFACE BB)

Recovered 220 ft. of GMW 1% GAS, 98% WTR, 1% MUD
Recovered 220 ft. of TOTAL FLUID (96' DP, 124' DC)
Recovered ft. of
Recovered ft. of CHLOR: 15,000 PPM

Recovered <u> </u> ft. of <u>RW: .50 @ 90 DEG</u>	Price Job
Recovered <u> </u> ft. of <u>PH: 8.0</u>	Other Charges
Remarks: <u>BELOW STRADDLE PSI: 1376</u>	Insurance
<u>TOOL SAMPLE: 60% WTR, 40% MUD, W/ A VERY THIN SCUM OF OIL</u>	Total

Time Set Packer(s) 6:40 A.M. A.M. P.M. Time Started Off Bottom 10:15 A.M. A.M. P.M. Maximum Temperature 125

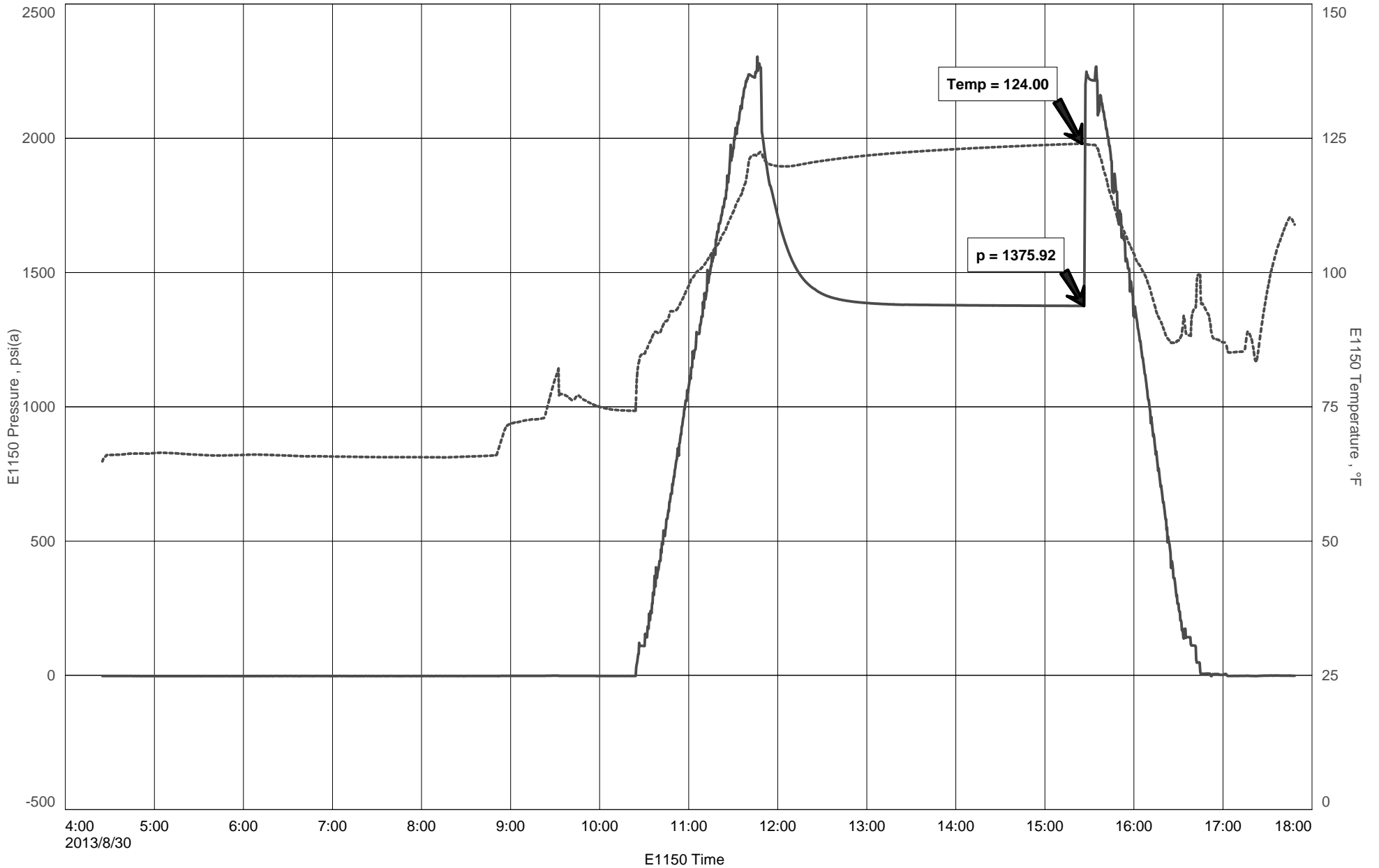
Initial Hydrostatic Pressure..... (A) 2181 P.S.I.
Initial Flow Period..... Minutes 5 (B) 12 P.S.I. to (C) 29 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1306 P.S.I.
Final Flow Period..... Minutes 60 (E) 31 P.S.I. to (F) 107 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1298 P.S.I.
Final Hydrostatic Pressure..... (H) 2172 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.

MULL DRLG CO. INC.
DST#4 4468-4480 CHEROKEE SAND BELOW STRADDLE
Start Test Date: 2013/08/30
Final Test Date: 2013/08/30

SOMY #1-5
Formation: DST#4 4468-4480 CHEROKEE SAND BELOW STRADDLE
Pool: WILDCAT
Job Number: M537

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