

Diamond Testing

General information Report

General Information

Company Name MID-CONTINENT OPERATING CO.

Contact	RICHARD SAENZ	Job Number	
Well Name	JAMES #1-15	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #4 ALTALMONT 'B' 4,357' - 4,410'	Well Operator	MID-CONTINENT OPERATING CO.
Surface Location	SEC 15-18S-29W LANE COUNTY, KS	Report Date	2010/12/13
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL TEST		
Formation	DST #4 ALTAMONT 'B' 4,357' - 4,410'		
Well Fluid Type	01 Oil	Start Test Time	12:40:00
		Final Test Time	22:01:00
Start Test Date	2010/12/13		
Final Test Date	2010/12/13		
Gauge Name	1150		
Gauge Serial Number			

Test Results

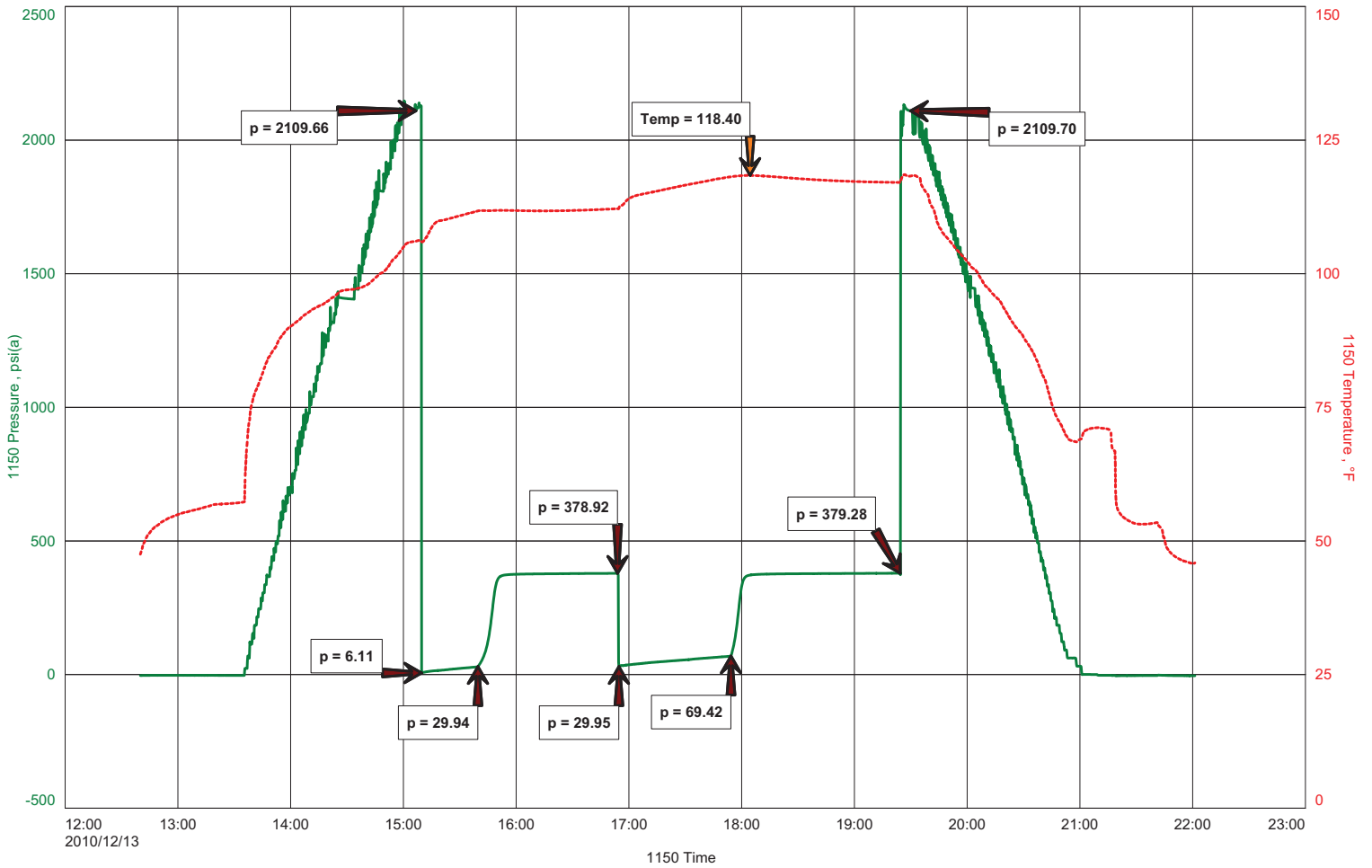
RECOVERED: 295' GAS IN PIPE
15' HOCM 48% OIL, 52% MUD
62' HGCOM 8% GAS, 34% OIL, 58% MUD
62' HGCOM 28% GAS, 32% OIL, 40% MUD
139' TOTAL FLUID

TOOL SAMPLE: 4% GAS, 42% OIL, 54% MUD

MID-CONTINENT OPERATING CO.
DST #4 ALTALMONT 'B' 4,357' - 4,410'
Start Test Date: 2010/12/13
Final Test Date: 2010/12/13

JAMES #1-15
Formation: DST #4 ALTAMONT 'B' 4,357' - 4,410'

JAMES #1-15





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

CLOCK ON: 12:40
CLOCK OFF: 22:01

DRILL -STEM TEST TICKET

Company MID-CONTINENT OPERATING CO. Lease & Well No. JAMES #1-15
Contractor VAL RIG #4 Charge to MID-CONTINENT OPERATING CO.
Elevation 2,805' KB Formation ALTAMONT 'B' Effective Pay _____ Ft. Ticket No. _____
Date 12.13.10 Sec. 15 Twp. _____ 18 S Range 29 W County LANE State KANSAS
Test Approved By KEVIN KESSLER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 Interval Tested from 4,357 ft. to 4,410 ft. Total Depth 4,410 ft.
Packer Depth 4,352 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,357 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,345 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4,407 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 59 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 2,600 P.P.M. Drill Pipe Length 4,331 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number N/A Test Tool Length 26 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. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING TO BOTTOM OF BUCKET IN 27 MIN (WSbb-DIED 15 MIN)
2nd Open: WEAK 1/2" BLOW INCREASING TO BOTTOM OF BUCKET IN 24 MIN (W 1/8"bb-DIED 60 MIN)

Recovered 295 ft. of GAS IN PIPE
Recovered 15 ft. of HOCM 48% OIL, 52% MUD
Recovered 62 ft. of HGCOM 8% GAS, 34% OIL, 58% MUD
Recovered 62 ft. of HGCOM 28% GAS, 32% OIL, 40% MUD
Recovered 139 ft. of TOTAL FLUID

Remarks: _____ TOOL SAMPLE: 4% GAS, 42% OIL, 54% MUD	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 3:10 P.M. A.M. P.M. Time Started Off Bottom 7:25 P.M. A.M. P.M. Maximum Temperature 118

Initial Hydrostatic Pressure (A) 2,110 P.S.I.
Initial Flow Period Minutes 30 (B) 6 P.S.I. to (C) 30 P.S.I.
Initial Closed In Period Minutes 75 (D) 379 P.S.I.
Final Flow Period Minutes 60 (E) 30 P.S.I. to (F) 69 P.S.I.
Final Closed In Period Minutes 90 (G) 379 P.S.I.
Final Hydrostatic Pressure (H) 2,110 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.