



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
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General Information

Company Name	Grand Mesa Operating Company	Well Name	Doornbos #2-15
Well Operator	Grand Mesa Operating Company	Unique Well ID	DST #2 Marmaton/Pawnee 4351'-4456'
Contact	Steve Stribling	Surface Location	Sec 15-16s-33w-Scott Co.-KS
Site Contact	Bob Schreiber	Test Unit	#5
Field	Wildcat	Pool	NA
Well Type	Vertical	Job Number	F218
Prepared By	Jake Fahrenbruch	Qualified By	Bob Schreiber

Test Information

Test Type	Bottom-Hole w/J&J	Test Purpose	Initial Test
Formation	Marmaton/Pawnee 4351'-4456'	Gauge Name	Inside 0062
Start Test Date	2013/12/16	Start Test Time	20:40:00
Final Test Date	2013/12/17	Final Test Time	04:50:00

Test Results

30 minute initial flow period:	Weak blow, increased to 4".
45 minute initial shut-in period:	No blowback.
60 minute final flow period:	Weak blow, increased to 7".
90 minute final shut-in period:	No blowback.

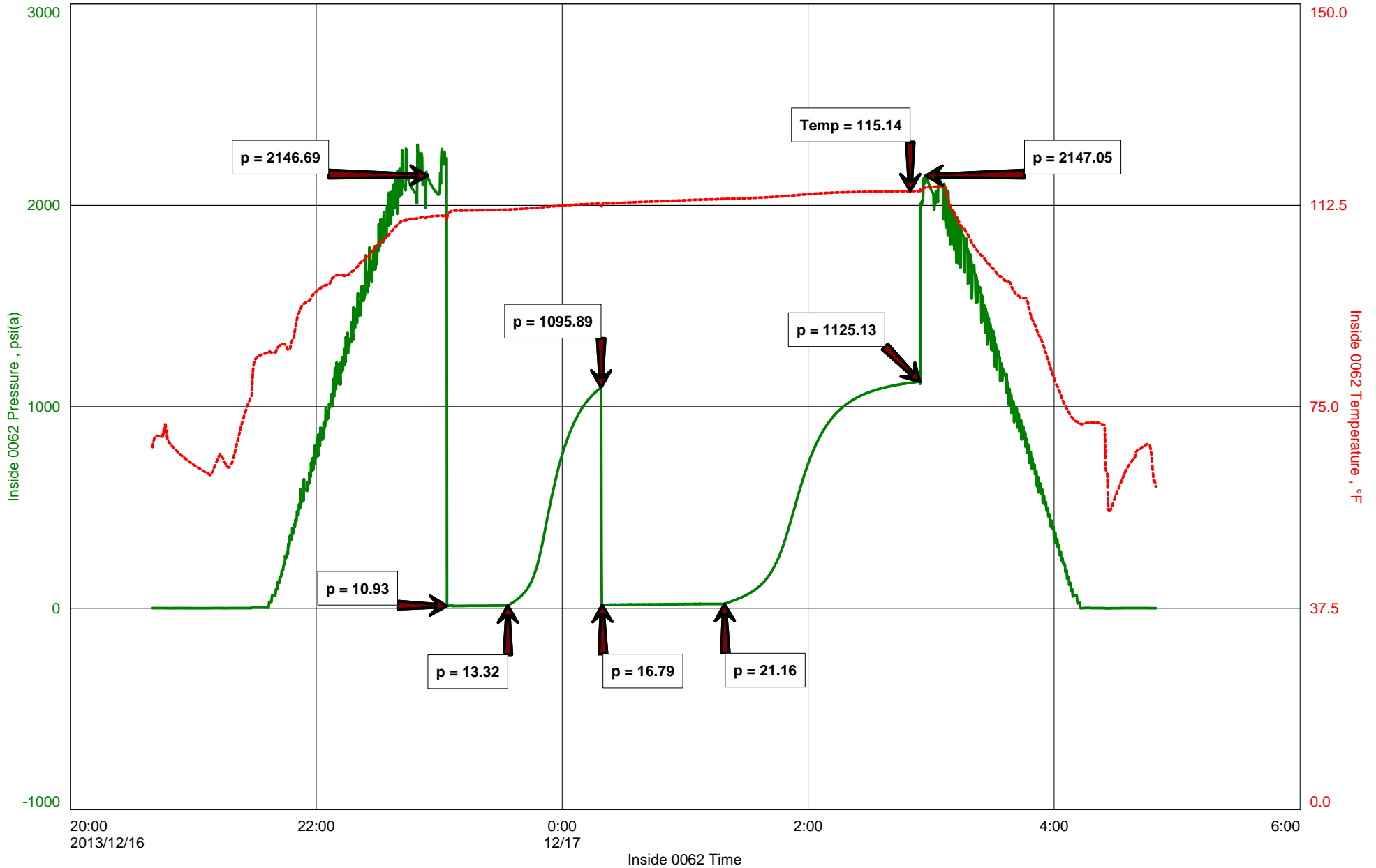
Recovered: 35' Oily Mud 46% oil, 54% mud
Bottom-Hole Temp: 115 Deg F

Pressures:

IHP:	2147
IFP:	11-13
ISIP:	1096
FFP:	17-21
FSIP:	1125
FHP:	2147

Thanks.

Doornbos #2-15





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: DOORNBOS2DST2

TIME ON: 8:40 PM
TIME OFF: 4:50 AM 12-17

Company Grand Mesa Operating Company Lease & Well No. Doornbos #2-15
Contractor Duke Drilling Rig # 4 Charge to Grand Mesa Operating Company
Elevation 3038' KB Formation Marmaton/Pawnee Effective Pay _____ Ft. Ticket No. F218
Date 16 Dec 2013 Sec. 15 Twp. _____ 16 S Range _____ 33 W County _____ Scott State KANSAS
Test Approved By Bob Schreiber Diamond Representative Jake Fahrenbruch

Formation Test No. TWO Interval Tested from 4351 ft. to 4456 ft. Total Depth 4456 ft.
Packer Depth 4346 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4351 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4329 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4352 ft. Recorder Number 5951 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 60 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 4500 P.P.M. Drill Pipe Length 4318 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 (J&J) Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 105 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 39' PERF(19' TOP, 20' BTM) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, increased to 4". No blowback.
2nd Open: Weak blow, increased to 7". No blowback.

Recovered <u>35</u> ft. of <u>Oily Mud</u>	<u>46% oil, 54% mud</u>
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) 11:07 PM A.M. P.M. Time Started Off Bottom 2:52 AM A.M. P.M. Maximum Temperature 115 Deg F

Initial Hydrostatic Pressure..... (A) 2147 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 13 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1096 P.S.I.
Final Flow Period..... Minutes 60 (E) 17 P.S.I. to (F) 21 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1125 P.S.I.
Final Hydrostatic Pressure..... (H) 2147 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.