



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Grand Mesa Operating Company	Well Name	Doornbos #2-15
Well Operator	Grand Mesa Operating Company	Unique Well ID	DST #4 Mississippian 4709'-4734'
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	F220
Prepared By	Jake Fahrenbruch	Qualified By	Bob Schreiber

Test Information

Test Type	Bottom/Hole w/J&J	Test Purpose	Initial Test
Formation	Mississippian 4709'-4734'	Gauge Name	Inside 0062
Start Test Date	2013/12/19	Start Test Time	03:00:00
Final Test Date	2013/12/19	Final Test Time	10:20:00

Test Results

30 minute initial flow period:	Weak blow @ 1".
45 minute initial shut-in period:	No blow.
30 minute final flow period:	No blow, increased to a weak surface blow.
60 minute final shut-in period:	No blow.

Recovered:

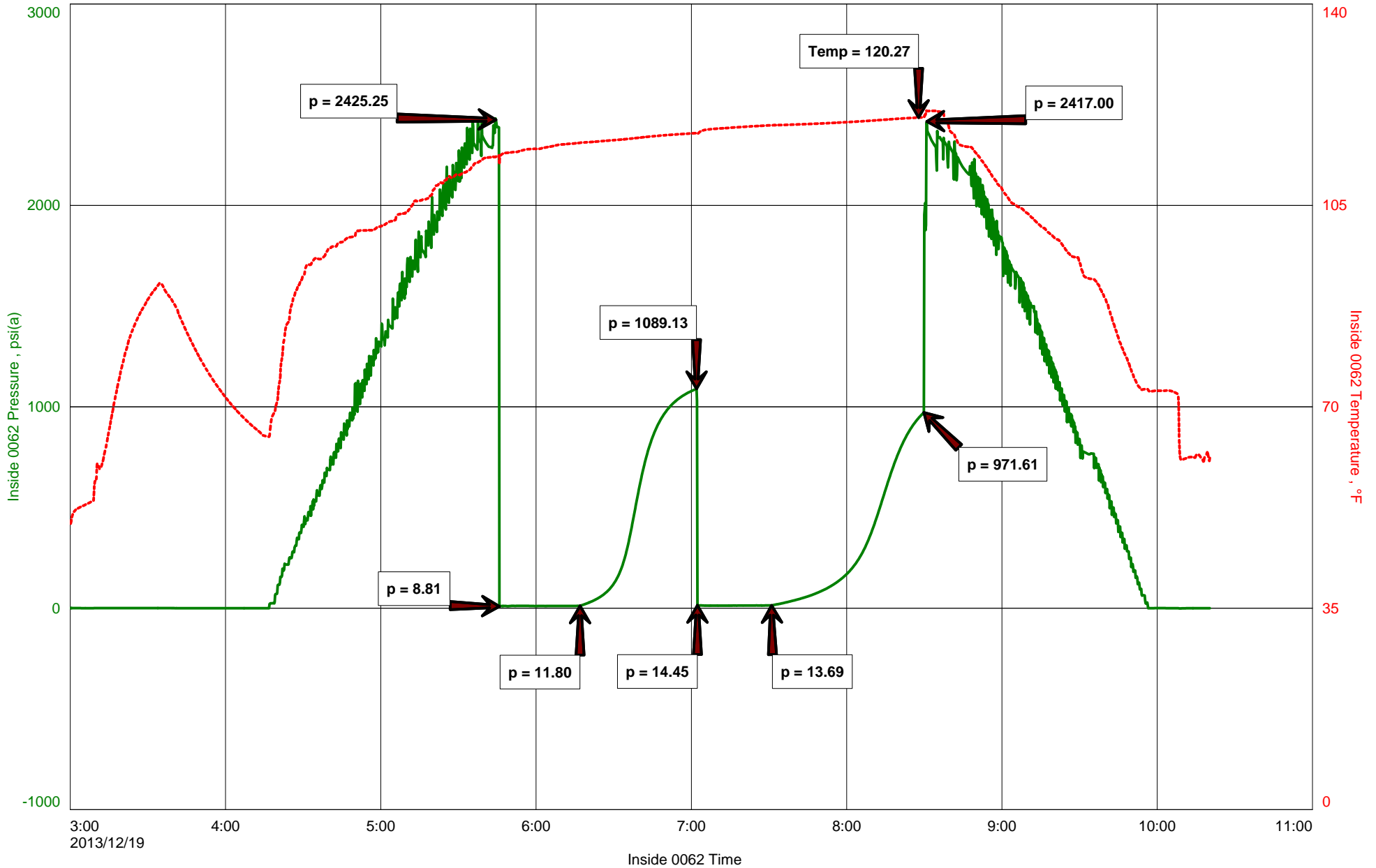
10'	SOCM 8% oil, 92% mud
	Bottom-Hole Temp: 120 Deg F

Pressures:

IHP:	2425
IFP:	9-12
ISIP:	1089
FFP:	14-14
FSIP:	972
FHP:	2417

Thanks.

Doornbos #2-15





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: DOORNBOS2DST4

TIME ON: 3:00 AM
TIME OFF: 10:20 AM

Company Grand Mesa Operating Company Lease & Well No. Doornbos #2-15
Contractor Duke Drilling Rig # Charge to Grand Mesa Operating Company
Elevation 3038' KB Formation Mississippian Effective Pay Ft. Ticket No. F220
Date 19 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. FOUR Interval Tested from 4709 ft. to 4734 ft. Total Depth 4734 ft.
Packer Depth 4704 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Packer Depth 4709 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 4687 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4710 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 62 Drill Collar Length ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 7.2 cc. Weight Pipe Length ft. I.D. 2 7/8 in.
Chlorides 5000 P.P.M. Drill Pipe Length 4676 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 25 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 blow, @ 1".
2nd Open: No blow, increased to a weak surface blow.

Recovered 10 ft. of SOCM 8% oil, 92% mud
Recovered ft. of
Recovered ft. of
Recovered ft. of

Recovered <u> </u> ft. of <u> </u>	Price Job
Recovered <u> </u> ft. of <u> </u>	Other Charges
Remarks: <u>***** TORE-UP TOP PACKER *****</u>	Insurance
	Total

Time Set Packer(s) 5:45 AM A.M. P.M. Time Started Off Bottom 8:30 AM A.M. P.M. Maximum Temperature 120 Deg D

Initial Hydrostatic Pressure..... (A) 2425 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 12 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1089 P.S.I.
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 14 P.S.I.
Final Closed In Period..... Minutes 60 (G) 972 P.S.I.
Final Hydrostatic Pressure..... (H) 2417 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.