



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 Co.	Well Name	Hess #1-23
Well Operator	Grand Mesa Operating Co.	Unique Well ID	DST #2 Drum (H) 4190'-4239'
Contact	Steve Stribling	Surface Location	Sec 23-12s-32w-Logan Co.-KS
Site Contact	Kent Matson	Test Unit	#5
Field	Wildcat	Pool	Wildcat
Well Type	Vertical	Job Number	F123
Prepared By	Jake Fahrenbruch	Qualified By	Kent Matson

Test Information

Test Type	Conventional Bottom-Hole	Test Purpose	Initial Test
Formation	Drum (H) 4190'-4239'	Gauge Name	0062
Start Test Date	2013/04/28	Start Test Time	15:40:00
Final Test Date	2013/04/29	Final Test Time	03:22:00

Test Results

30 min initial flow:	Strong blow, BOB 1 minute 30 seconds.
45 min initial shut-in:	Blowback @ BOB in 30 minutes.
60 min final flow:	Strong blow, BOB 2 minutes 40 seconds.
90 min final shut-in:	No blowback.

Recovered: 1800' (~25.56 BBL) Clean Oil 100% oil
 440' (~4.30 BBL) Gassy Muddy Oil, 20% gas, 50% oil, 30% mud
 ----- 630' Gas In Pipe
 ----- Gravity: 36 (corrected)
 ----- Tool Sample: Clean Oil
 ----- Total Recovered Fluid: 2,240' (~29.86 BBL)
 ----- Bottom-Hole Temperature: 126 Deg F

Pressures: IHP: 2057
 IFP: 175-580
 ISIP: 1046
 FFP: 594-824
 FSIP: 965
 FHP: 2054



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

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

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
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) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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.

Hess #1-23

