



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Hess Oil Company  
P. O. Box 1009  
McPherson KS 67460-1009  
ATTN: Roger Martin

**16 11s 16w Ellis**  
**Craig # 1**  
Job Ticket: 62400      **DST#: 3**  
Test Start: 2015.08.20 @ 14:05:00

## GENERAL INFORMATION:

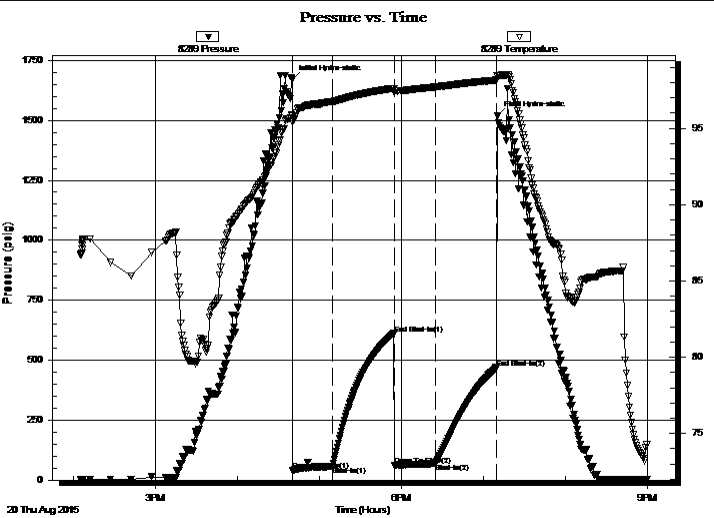
Formation: **LKC " H - L " & Plea**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 16:40:15  
Time Test Ended: 21:00:00  
Interval: **3111.00 ft (KB) To 3292.00 ft (KB) (TVD)**  
Total Depth: 3292.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jim Svaty  
Unit No: 76  
Reference Elevations: 1805.00 ft (KB)  
1800.00 ft (CF)  
KB to GR/CF: 5.00 ft

## Serial #: 8289

**Outside**

Press @ Run Depth: 68.90 psig @ 3117.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2015.08.20 End Date: 2015.08.20 Last Calib.: 2015.08.20  
Start Time: 14:05:02 End Time: 21:00:00 Time On Btm: 2015.08.20 @ 16:40:00  
Time Off Btm: 2015.08.20 @ 19:10:15

**TEST COMMENT:** 30-IF- Surface Blow Building to 1 3/4in. In 10min.  
45-ISI- No Blow  
30-FF- Good Surge on Open --- No Blow  
45-FSI- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.43	95.80	Initial Hydro-static
1	40.90	95.41	Open To Flow (1)
30	57.01	96.77	Shut-In(1)
75	610.97	97.63	End Shut-In(1)
75	62.28	97.35	Open To Flow (2)
105	68.90	97.70	Shut-In(2)
150	468.91	98.16	End Shut-In(2)
151	1517.73	98.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud 100%	0.44

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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## FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9200.00 ppm			
Filter Cake: 2.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud 100%	0.443

Total Length: 90.00 ft      Total Volume: 0.443 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time

