



DRILL STEM TEST REPORT

Prepared For: **Oxy USA Inc.**

5 E Greenway Plz.
Houston Tx. 77227

ATTN: Austin G.

4 30 33 Haskell KS

Blasdel

Start Date: 2010.07.25 @ 23:00:00

End Date: 2010.07.26 @ 09:14:15

Job Ticket #: 39337 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Oxy USA Inc.

Blasdel

5 E Greenway Plz.
Houston Tx. 77227

4 30 33 Haskell KS

Job Ticket: 39337

DST#: 1

ATTN: Austin G.

Test Start: 2010.07.25 @ 23:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 10000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	300 GIP	0.000
150.00	5%gas5%water 40%mud50%oil	0.738

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0

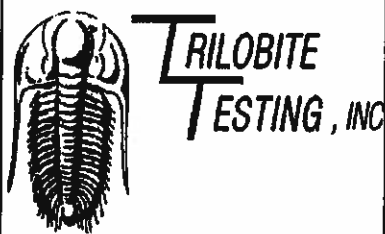
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data-15 CFD g 500 ML oil trace of mw @ 850 PSI.



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TOOL DIAGRAM

Oxy USA Inc.
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 Houston Tx. 77227
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4 30 33 Haskell KS
 Job Ticket: 39337 DST#: 1
 Test Start: 2010.07.25 @ 23:00:00

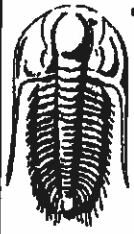
Tool Information

Drill Pipe:	Length: 3915.00 ft	Diameter: 3.80 inches	Volume: 54.92 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 298.00 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose: 90000.00 lb
		<u>Total Volume:</u>	<u>56.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4228.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 7.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4199.00	
Shut In Tool	5.00			4204.00	
Sampler	3.00			4207.00	
Hydraulic tool	5.00			4212.00*	
Jars	5.00			4217.00	
Safety Joint	2.00			4219.00	
Packer	5.00			4224.00	30.00 Bottom Of Top Packer
Packer	4.00			4228.00	
Stubb	1.00			4229.00	
Perforations	1.00			4230.00	
Recorder	0.00	8678	Inside	4230.00	
Recorder	0.00	8677	Inside	4230.00	
Perforations	5.00			4235.00	
Bullnose	3.00			4238.00	10.00 Bottom Packers & Anchor

Total Tool Length: 40.00



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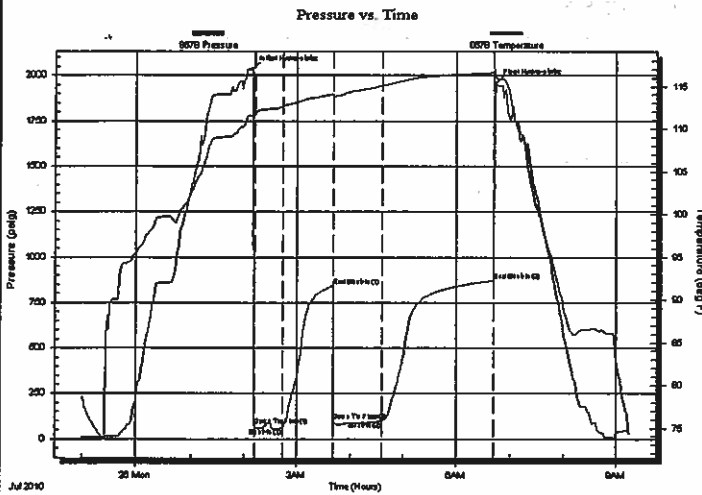
Blasdel
4 30 33 Haskell KS
Job Ticket: 39337 **DST#: 1**
Test Start: 2010.07.25 @ 23:00:00

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 02:11:30
 Time Test Ended: 09:14:15
 Interval: **4228.00 ft (KB) To 4238.00 ft (KB) (TVD)**
 Total Depth: **4238.00 ft (KB) (TVD)**
 Hole Diameter: **7.78 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Harley Davidson**
 Unit No: **33**
 Reference Elevations: **2973.00 ft (KB)**
2962.00 ft (CF)
 KB to GR/CF: **11.00 ft**

Serial #: 8678 Inside
 Press@RunDepth: **62.78 psig @ 4230.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.07.25** End Date: **2010.07.26** Last Calib.: **2010.07.26**
 Start Time: **23:00:01** End Time: **09:14:15** Time On Btm: **2010.07.26 @ 02:08:15**
 Time Off Btm: **2010.07.26 @ 06:44:15**

TEST COMMENT: IF- Weak building blow 7" into bucket.
 IS- No blow back.
 FF- Weak building blow 5" into bucket.
 FS- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2033.29	111.61	Initial Hydro-static
4	71.16	111.68	Open To Flow (1)
35	62.78	112.63	Shut-In(1)
93	841.07	114.03	End Shut-In(1)
93	98.72	113.72	Open To Flow (2)
148	98.16	115.10	Shut-In(2)
274	871.33	116.60	End Shut-In(2)
276	1957.71	116.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	300 GIP	0.00
150.00	5%gas5%w ater 40%mud50%oil	0.74

Gas Rates

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

Pressure vs. Time

