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TRILOBITE
TESTING, INC.

RELEASED
FROM
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DRILL STEM TEST REPORT

Prepared For: **Oxy USA Inc**

PO Box 2528
Liberal KS 67905

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 0 1 2003

ATTN: Tom Heflin

CONSERVATION DIVISION
WICHITA, KS

24-27-35

Baughman AB-2

Start Date: 2003.01.14 @ 12:51:36

End Date: 2003.01.15 @ 01:44:06

Job Ticket #: 14493 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Oxy USA Inc

Baughman AB-2

24-27-35

DST # 1

Morrow

2003.01.14

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ORIGINAL


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Oxy USA Inc

Baughman AB-2

 PO Box 2528
 Liberal KS 67905

24-27-35

Job Ticket: 14493

DST#: 1

ATTN: Tom Heflin

Test Start: 2003.01.14 @ 12:51:36

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:15:51

Time Test Ended: 01:44:06

Interval: 5076.00 ft (KB) To 5210.00 ft (KB) (TVD)

Total Depth: 5210.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Reference Elevations: 3039.00 ft (KB)

3027.00 ft (CF)

KB to GR/CF: 12.00 ft

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Serial #: 3026

Inside

Press@RunDepth: 1508.77 psig @ 5079.00 ft (KB)

Start Date: 2003.01.14

End Date:

2003.01.15

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 12:51:38

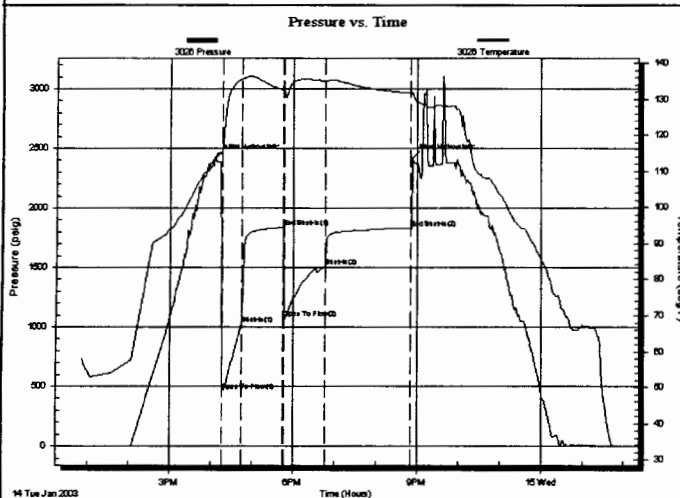
End Time:

01:44:06

Time On Btm: 2003.01.14 @ 16:06:21

Time Off Btm: 2003.01.14 @ 20:52:51

TEST COMMENT: IF-strong blow BOB 1 min GTS 18 min to small to gauge
 IS- blow back built to BOB in 15 min
 FF-strong blow BOB as soon as open
 FSI-blow back built to BOB in 20 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2417.85	114.05	Initial Hydro-static
10	461.83	115.32	Open To Flow (1)
39	1022.09	135.50	Shut-In(1)
99	1838.60	132.49	End Shut-In(1)
101	1076.48	132.13	Open To Flow (2)
160	1508.77	134.98	Shut-In(2)
284	1834.49	131.64	End Shut-In(2)
287	2417.73	131.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3850.00	40% G 55% O 5% M	51.50

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.
DRILL STEM TEST REPORT
TOOL DIAGRAM

Oxy USA Inc

Baughman AB-2

 PO Box 2528
 Liberal KS 67905

24-27-35

Job Ticket: 14493

DST#: 1

ATTN: Tom Heflin

Test Start: 2003.01.14 @ 12:51:36

Tool Information

Drill Pipe:	Length: 4793.00 ft	Diameter: 3.80 inches	Volume: 67.23 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	68.58 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	5076.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	134.00 ft			
Tool Length:	164.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5047.00	
S.I. Tool	5.00			5052.00	
Sampler	3.00			5055.00	
HMV	5.00			5060.00	
Jars	5.00			5065.00	
Safety Joint	2.00			5067.00	
Packer	5.00			5072.00	30.00 Bottom Of Top Packer
Packer	4.00			5076.00	
Stubb	1.00			5077.00	
Perforations	2.00			5079.00	
Recorder	0.00	3026	Inside	5079.00	
Perforations	20.00			5099.00	
Change Over Sub	1.00			5100.00	
Recorder	0.00	13637	Outside	5100.00	
Blank Spacing	93.00			5193.00	
Change Over Sub	1.00			5194.00	
Perforations	14.00			5208.00	
Bullnose	2.00			5210.00	134.00 Bottom Packers & Anchor

Total Tool Length: 164.00

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 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Oxy USA Inc	Baughman AB-2	
	PO Box 2528 Liberal KS 67905	24-27-35	
	ATTN: Tom Heflin	Job Ticket: 14493	DST#: 1
	Test Start: 2003.01.14 @ 12:51:36		

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3850.00	40% G 55% O 5% M	51.500

Total Length: 3850.00 ft Total Volume: 51.500 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:

Laboratory Name: Caraway Laboratory Location: Liberal KS

Recovery Comments: API= 39 @ 30 deg corrected to 40
3000 ML oil 1000 ML gas

Pressure vs. Time

