

CONFIDENTIAL

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**TRILOBITE
TESTING, INC**

Oxy USA Inc

RELEASED

JUN 13 2002

FROM CONFIDENTIAL

Branstetter B#4

DRILL STEM TEST REPORT

Prepared For: **Oxy USA Inc**

P.O. Box 2528
Liberal KS 67905

ATTN: Tom Hefflin

36-27S-34W

Branstetter B#4

Start Date: 2001.04.04 @ 14:40:00

End Date: 2001.04.05 @ 00:00:00

Job Ticket #: 13477

DST #: 1

36-27S-34W

DST #: 1

Warrington

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 15 2001

CONSERVATION DIVISION



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Oxy USA Inc

P.O. Box 2528
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ATTN: Tom Hefflin

Branstetter B#4

36-27S-34W

Job Ticket: 13477

DST#: 1

Test Start: 2001.04.04 @ 14:40:00

GENERAL INFORMATION:

Formation: **Marmington**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 16:43:26

Time Test Ended: 00:00:00

Test Type: **Conventional Bottom Hole**

Tester: **Blake Wallace**

Unit No: **17**

Interval: **4752.00 ft (KB) To 4824.00 ft (KB) (TVD)**

Total Depth: **4824.00 ft (KB)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **3038.00 ft (KB)**

3027.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **2350**

Press@RunDepth: **460.88 psig @ ft (KB)**

Start Date: **2001.04.04**

End Date:

2001.04.05

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **14:40:42**

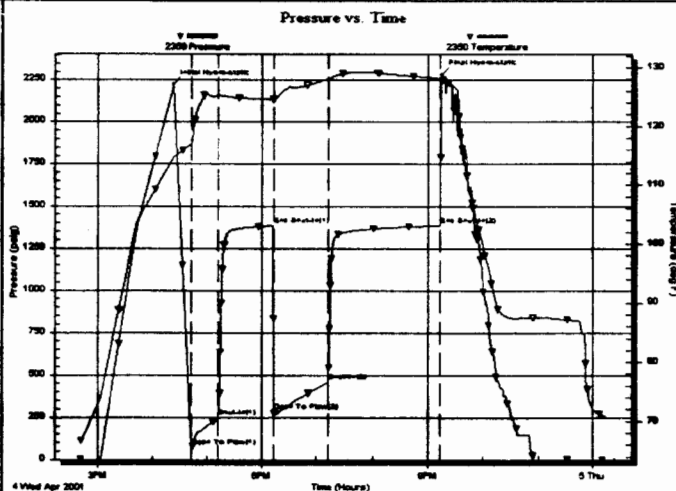
End Time:

00:13:56

Time On Btm: **2001.04.04 @ 16:22:41**

Time Off Btm: **2001.04.04 @ 21:14:41**

TEST COMMENT: RW= .344 @ 64 deg chlorides= 22500
.4 cubic feet of gas @ 500 # 2500 ML
corrective gravity= 44 @ 60 deg 1st opening- strong blow B.O.B in 9 min
ISI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
102	2226.70	114.79	Initial Hydro-static
123	69.69	117.11	Open To Flow (1)
152	248.61	125.28	Shut-In(1)
213	1382.73	124.55	End Shut-In(1)
213	281.03	124.53	Open To Flow (2)
273	460.88	128.15	Shut-In(2)
393	1383.95	128.20	End Shut-In(2)
394	2283.98	128.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
920.00	gas in pipe	10.49
944.00	10% gas 10% water 30% mud 50% oil	13.24
276.00	10% gas 20% mud 20% oil 50% water	3.87

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

Branstetter B#4

P.O. Box 2528
Liberal KS 67905

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Job Ticket: 13477

DST#: 1

ATTN: Tom Hefflin

Test Start: 2001.04.04 @ 14:40:00

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Tool Information

Drill Pipe:	Length: 4469.00 ft	Diameter: 3.80 inches	Volume: 62.69 bbl	Tool Weight: 1800.00 lb
Drill Collar:	Length: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight set on Packer: 30000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 88000.00 lb
Drill Pipe Above KB:	12.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	4748.00 ft			String Weight: Initial 72000.00 lb
Depth to Bottom Packer:	ft			Final 80000.00 lb
Interval between Packers:	ft			
Tool Length:	102.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

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Tool Comments

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4723.00	
S.I. Tool	5.00			4728.00	
Sampler	3.00			4731.00	
HMV	5.00			4736.00	
Jars	5.00			4741.00	
Safety Joint	2.00			4743.00	
Packer	5.00			4748.00	26.00 Bottom Of Top Packer
Packer	4.00			4752.00	
Stubb	1.00			4753.00	
Perforations	2.00			4755.00	
Recorder	0.00	2350	Inside	4755.00	
P.O. Sub	5.00			4760.00	
Perforations	29.00			4789.00	
C.O. Sub	1.00			4790.00	
Blank Spacing	31.00			4821.00	
C.O. Sub	1.00			4822.00	
Recorder	0.00	13277	Outside	4822.00	
Bullnose	2.00			4824.00	76.00 Bottom Packers & Anchor

Total Tool Length: 102.00

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Oxy USA Inc

Serial #: 2350

Pressure vs. Time

