

CONFIDENTIAL

12-27S-35W
ORIGINAL

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KCC

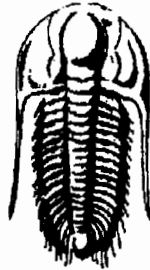
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APR 03 2003

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CONFIDENTIAL

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

OXY USA, Inc.

Ladner C-4

12-27S-35W

DST # 1

Lansing

2002.12.10

DRILL STEM TEST REPORT

Prepared For: **OXY USA, Inc.**

P.O. Box 2528
Liberal, KS. 67905

15-067-21511

ATTN: Tom Heflin

12-27S-35W

Ladner C-4

Start Date: 2002.12.10 @ 15:57:07

End Date: 2002.12.11 @ 02:52:37

Job Ticket #: 14436

DST #: 1

Release
MAY 13 2004
From
Confidential

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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ORIGINAL


TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

OXY USA, Inc.

Ladner C-4

P.O. Box 2528
Liberal, KS. 67905

12-27S-35W

Job Ticket: 14436

DST#: 1

ATTN: Tom Heflin

Test Start: 2002.12.10 @ 15:57:07

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **18:30:37**
 Time Test Ended: **02:52:37**

Interval: **4254.00 ft (KB) To 4285.00 ft (KB) (TVD)**
 Total Depth: **4285.00 ft (KB) (TVD)**
 Hole Diameter: **77.80 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**
 Tester: **Shad Viewx**
 Unit No: **17**

Reference Elevations: **3033.00 ft (KB)**
3022.00 ft (CF)
 KB to GR/CF: **11.00 ft**

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APR 03 2003
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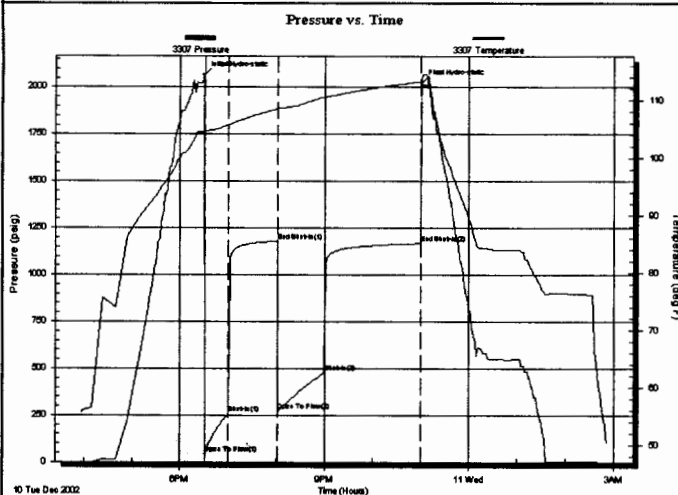
Serial #: **3307**

Inside

Press@RunDepth: **479.86 psig @ 4257.00 ft (KB)**
 Start Date: **2002.12.10** End Date: **2002.12.11**
 Start Time: **15:57:08** End Time: **02:52:37**

Capacity: **7000.00 psig**
 Last Calib.: **1899.12.30**
 Time On Btrn: **2002.12.10 @ 18:29:07**
 Time Off Btrn: **2002.12.10 @ 23:01:07**

TEST COMMENT: IF- Strong Blow Built to B.O.B. in 6 min.
 IS- Built to 1.5 in. of Blow Back
 FF- Strong Blow Built to B.O.B. in 10 min.
 FS- Built to 6.5 in. of Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2064.57	104.48	Initial Hydro-static
2	44.85	104.76	Open To Flow (1)
31	257.84	105.75	Shut-In(1)
92	1178.53	108.51	End Shut-In(1)
92	272.70	108.46	Open To Flow (2)
151	479.86	110.61	Shut-In(2)
271	1167.49	113.24	End Shut-In(2)
272	2019.85	113.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1250.00	5%-G 95%-O	15.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

OXY USA, Inc.

Ladner C-4

P.O. Box 2528
Liberal, KS. 67905

12-27S-35W

Job Ticket: 14436

DST#: 1

ATTN: Tom Heflin

Test Start: 2002.12.10 @ 15:57:07

Tool Information

Drill Pipe:	Length: 3766.00 ft	Diameter: 3.80 inches	Volume: 52.83 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 208.00 ft	Diameter: 3.80 inches	Volume: 2.92 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 273.00 ft	Diameter: 2.25 inches	Volume: 1.34 bbl	Weight to Pull Loose: 72000.00 lb
			Total Volume: 57.09 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4254.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4225.00	
S.I. Tool	5.00			4230.00	
Sampler	3.00			4233.00	
HMV	5.00			4238.00	
Jars	5.00			4243.00	
Safety Joint	2.00			4245.00	
Packer	5.00			4250.00	30.00 Bottom Of Top Packer
Packer	4.00			4254.00	
Stubb	1.00			4255.00	
Perforations	2.00			4257.00	
Recorder	0.00	3307	Inside	4257.00	
Perforations	25.00			4282.00	
Recorder	0.00	13362	Inside	4282.00	
Bullnose	3.00			4285.00	31.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

OXY USA, Inc.

Ladner C-4

P.O. Box 2528
Liberal, KS. 67905

12-27S-35W

Job Ticket: 14436

DST#: 1

ATTN: Tom Heflin

Test Start: 2002.12.10 @ 15:57:07

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1250.00	5%-G 95%-O	15.047

Total Length: 1250.00 ft

Total Volume: 15.047 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 31@44 F Corrected=32

200 ml-G 3800 ml-O 0.3cf @350 psi in sampler

