

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **EOG Resources**

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Larry Taylor

2 28 34 Haskell KS

Selby 2-#1

Start Date: 2006.12.08 @ 00:35:24

End Date: 2006.12.08 @ 13:10:19

Job Ticket #: 26620 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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TESTING, INC.

DRILL STEM TEST REPORT

EOG Resources

3817 NW Expressway Ste 500
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ATTN: Larry Taylor

Selby 2-#1

2 28 34 Haskell KS

Job Ticket: 26620

DST#: 1

Test Start: 2006.12.08 @ 00:35:24

GENERAL INFORMATION:

Formation: **Chester Sand**

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

Time Tool Opened: 04:47:04

Time Test Ended: 13:10:19

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **Abie #2**

Interval: **5500.00 ft (KB) To 5552.00 ft (KB) (TVD)**

Total Depth: **5552.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3076.00 ft (KB)**

3064.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: 6667

Inside

Press@RunDepth: **245.76 psig @ 5501.00 ft (KB)**

Start Date: **2006.12.08**

End Date:

2006.12.08

Capacity: **7000.00 psig**

Last Calib.: **2006.12.08**

Start Time: **00:35:24**

End Time:

12:48:19

Time On Btm: **2006.12.08 @ 04:46:49**

Time Off Btm: **2006.12.08 @ 08:50:03**

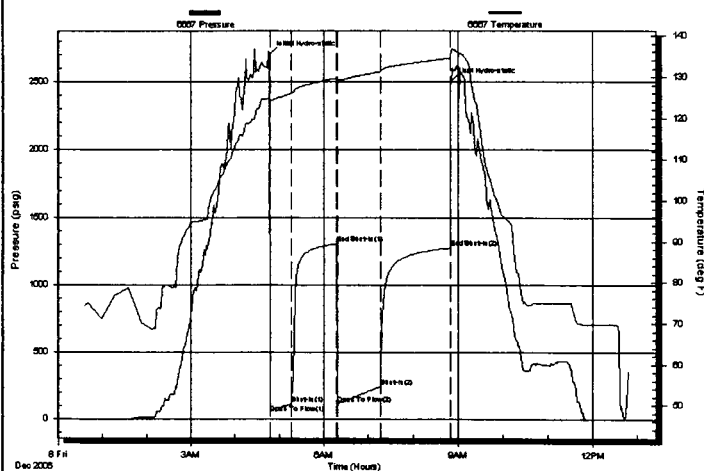
TEST COMMENT: **BOB in 3 min.**

GTS 4 min. into shut in. 6 " in return blow

Gas to surface to weak to gauge

Bleed off throughout shut in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2702.25	125.13	Initial Hydro-static
1	46.83	124.10	Open To Flow (1)
30	115.50	126.03	Shut-In (1)
90	1301.78	129.72	End Shut-In (1)
92	117.48	129.24	Open To Flow (2)
149	245.76	131.33	Shut-In (2)
243	1274.23	134.53	End Shut-In (2)
244	2499.59	134.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
91.00	MGO 25%M 25%G 50%O	0.45
675.00	CGO 25%G 75%O	6.98

Gas Rates

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

EOG Resources

Selby 2-#1

3817 NW Expressway Ste 500
Oklahoma City OK 73112

2 28 34 Haskell KS

Job Ticket: 26620

DST#: 1

ATTN: Larry Taylor

Test Start: 2006.12.08 @ 00:35:24

Tool Information

Drill Pipe:	Length: 5123.00 ft	Diameter: 3.80 inches	Volume: 71.86 bbl	Tool Weight:	1500.00 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: 364.00 ft	Diameter: 2.25 inches	Volume: 1.79 bbl	Weight to Pull Loose:	100000.0 lb
		Total Volume:	73.65 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	82000.00 lb
Depth to Top Packer:	5500.00 ft			Final	85000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	52.00 ft				
Tool Length:	81.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5472.00	
Shut In Tool	5.00			5477.00	
Sampler	2.00			5479.00	
Hydraulic tool	5.00			5484.00	
Jars	5.00			5489.00	
Safety Joint	2.00			5491.00	
Packer	5.00			5496.00	29.00 Bottom Of Top Packer
Packer	4.00		Inside	5500.00	
Stubb	1.00			5501.00	
Recorder	0.00	6667	Inside	5501.00	
Perforations	13.00			5514.00	
Change Over Sub	1.00			5515.00	
Drill Pipe	31.00			5546.00	
Change Over Sub	1.00			5547.00	
Recorder	0.00	11058		5547.00	
Bullnose	5.00			5552.00	52.00 Bottom Packers & Anchor
Total Tool Length:		81.00			



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FLUID SUMMARY

EOG Resources

Selby 2-#1

3817 NW Expressway Ste 500
Oklahoma City OK 73112

2 28 34 Haskell KS

Job Ticket: 26620

DST#: 1

ATTN: Larry Taylor

Test Start: 2006.12.08 @ 00:35:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
91.00	MCGO 25%M 25%G 50%O	0.448
675.00	CGO 25%G 75%O	6.982

Total Length: 766.00 ft

Total Volume: 7.430 bbl

Num Fluid Samples: 0

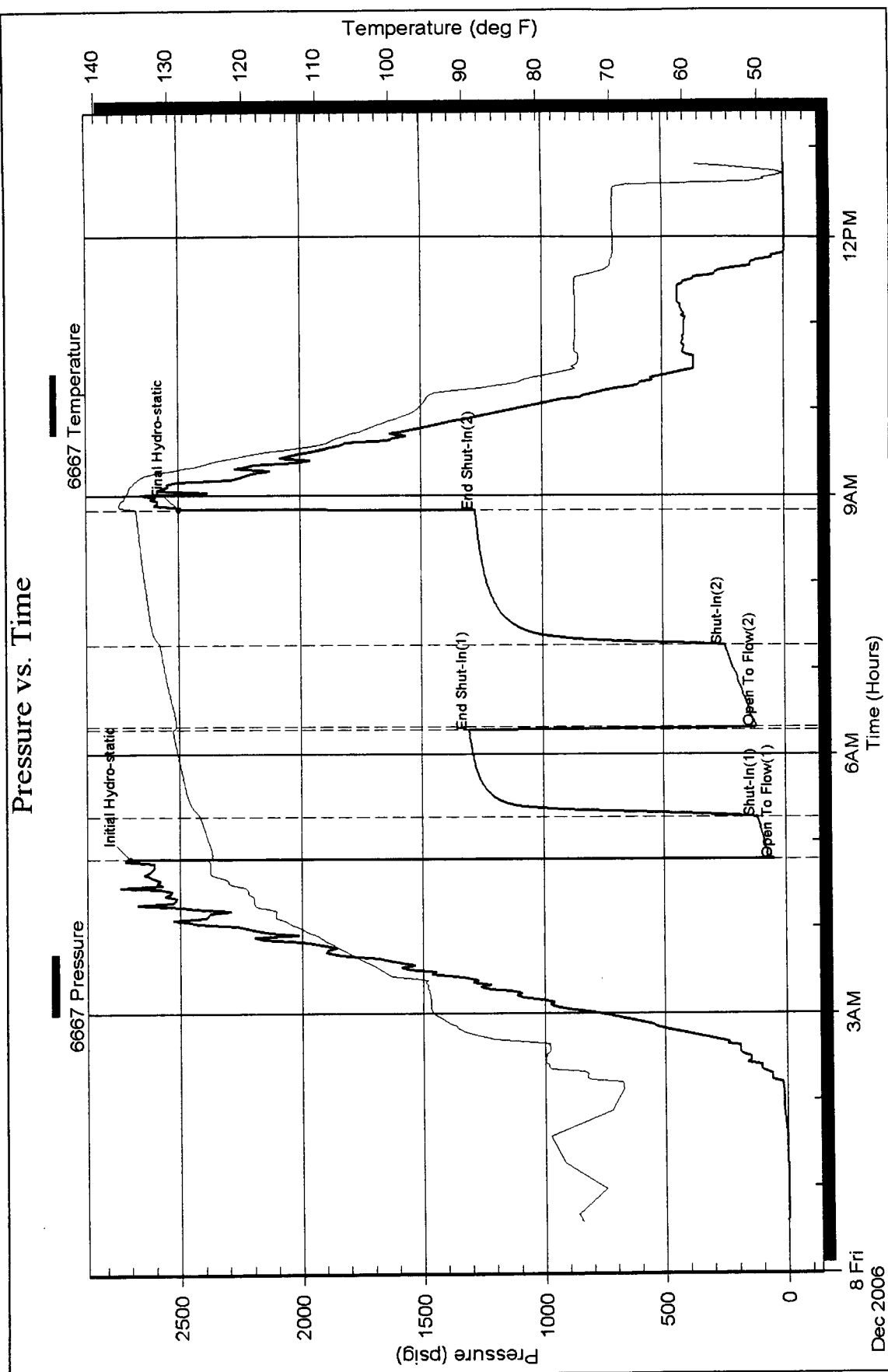
Num Gas Bombs: 0

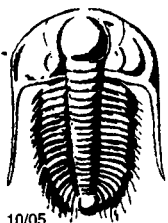
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 1700ml oil 300ml mud .8cubic ft gas 840psi





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9021

26620

Test Ticket

Well Name & No. Selby 2#1 Test No. #1 Date 12/8/00
 Company EOG Resources Zone Tested Chester Sand
 Address 3817 NW Expressway Suite 500 Oklahoma City, OK Elevation 3076 KB 3064 GL
 Co. Rep / Geo. Larry Taylor Rig Abercrombie #2
 Location: Sec. 2 Twp. 28 Rge. 34 Co. Haskell State KS
 Comment: _____ Release date / time: _____

Interval Tested 5500 5552 Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 85,100
 Anchor Length _____ 52 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth _____ 5495 Tool Weight 1500
 Bottom Packer Depth _____ 5500 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 5552 Wt. Pipe Run _____ Drill Collar Run 364
 Mud Wt. 9.0 LCM #10 Vis. 48 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 5123'
 Blow Description B.O.B. in 3 min

GAS to Surface 4 min into Shut in 6" in return blow
GAS @ open to vent to gauge
Bleed off throughout Shut in.

Recovery - Total Feet 766 GIP G.T.S. Ft. in DC 364 Ft. in DP 402
 Rec. 675' Feet of _____ (reversed out) 25% gas 75% oil _____ %water _____ %mud
 Rec. 91' Feet of mcgo 25% gas 50% oil _____ %water 25% %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 135° °F Gravity _____ 32 °API D @ _____ 60° °F Corrected Gravity _____ 32 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2702 PSI	Recorder No.	<u>6667</u>	Test <u>✓</u>	<u>\$1300.00</u>
(B) First Initial Flow Pressure			<u>46</u> PSI	(depth)	<u>5501</u>	Jars <u>✓</u>	<u>\$250.00</u>
(C) First Final Flow Pressure			<u>115</u> PSI	Recorder No.	<u>11058</u>	Safety Jt. <u>✓</u>	<u>\$75.00</u>
(D) Initial Shut-In Pressure			<u>1301</u> PSI	(depth)	<u>5547</u>	Circ Sub <u>✓</u>	<u>\$50.00</u>
(E) Second Initial Flow Pressure			<u>117</u> PSI	Recorder No.		Sampler <u>✓</u>	<u>\$250.00</u>
(F) Second Final Flow Pressure			<u>245</u> PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			<u>1274</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	
(H) Final Hydrostatic Mud			<u>7116</u> PSI	Shut-In	<u>60</u>	Shale Packer <u>✓</u>	<u>200.00</u>

AFE	BCP	☒ ACP	FAC	Other	Chem.
LOE	New Add	Replace	Repair	General	
Well Name: <u>Selby 2 #1</u>					
Larry Taylor		409664-4394	Approval Initials: <u>LT</u>		Location
20 - 215		219			☒ OK ☐ TX ☐ KS

Approved By Larry Taylor

Our Representative _____

al Flow 60
 Shut-In 90
 Location 21:00 PM
 Started 12:35 a.m.
 T-Open 04:45 a.m.
 T-Pulled 08:45 a.m.
 T-Out 13:10 P.m.
 Sub Total: 625
 Std. By 6 1/4 hrs 3112.50
 Acc. Chg ✓ 150.00
 Other: _____
 Total: \$3262.50



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 26620 Date 12/8/06
Company Name EOG Resources
Lease Selby 2 #1 Test No. #1 Chester sand
5500' 5552'
County Haskell, KS Sec. 2 Twp. 28 Rng. 34

SAMPLER RECOVERY

Gas .8 cubic ft ~~ML~~
Oil 1700 mL ML
Mud 300 mL ML
Water ML
Other ML
Pressure 840 PSI ~~ML~~
Total 2000 mL .8 cubic ft gas ~~ML~~

PIT MUD ANALYSIS

Chlorides 1000 ppm.
Resistivity 7.5 ohms @ 50° F
Viscosity 48
Mud Weight 9.0
Filtrate 8.0
Other LCM #10

SAMPLER ANALYSIS

Resistivity 7.5 ohms @ 50° F
Chlorides 1000 ppm.
Gravity 32 corrected @ 60F

PIPE RECOVERY

TOP
Resistivity 7.5 ohms @ 50° F
Chlorides 1000 ppm.

MIDDLE
Resistivity ohms @ F
Chlorides ppm.

BOTTOM
Resistivity 7.5 ohms @ 50° F
Chlorides 1000 ppm.

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

11458

EOG Resources

Setby 2/41

DST#1

