

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy**

7701 E Kellogg Ste 710
Wichita KS 67207

ATTN: Scott Banks

1 15 41 Wallace KS

Smith #1-1

Start Date: 2007.06.29 @ 03:44:43

End Date: 2007.06.29 @ 13:11:38

Job Ticket #: 28704 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Red Oak Energy

7701 E Kellogg Ste 710
Wichita KS 67207

ATTN: Scott Banks

Smith #1-1

1 15 41 Wallace KS

Job Ticket: 28704

DST#: 1

Test Start: 2007.06.29 @ 03:44:43

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:43:08

Time Test Ended: 13:11:38

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 25

Interval: **4890.00 ft (KB) To 4946.00 ft (KB) (TVD)**

Total Depth: 4946.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 3740.00 ft (KB)

3727.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6755 Inside

Press@RunDepth: 472.87 psig @ 4891.00 ft (KB)

Start Date: 2007.06.29

End Date:

2007.06.29

Start Time: 03:44:43

End Time:

13:11:38

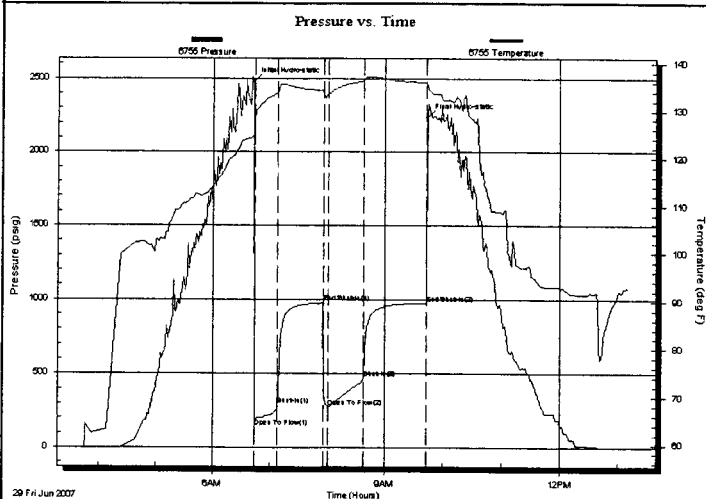
Capacity: 7000.00 psig

Last Calib.: 2007.06.29

Time On Btm: 2007.06.29 @ 06:42:23

Time Off Btm: 2007.06.29 @ 09:43:22

TEST COMMENT: IF BOB in 1 min.
IS Bled off throughout
FF BOB in 1 min.
FS Bled off throughout



PRESSURE SUMMARY

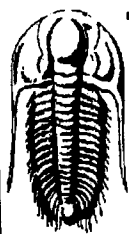
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2480.41	124.83	Initial Hydro-static
1	140.30	127.56	Open To Flow (1)
26	285.91	133.81	Shut-In (1)
73	975.94	134.33	End Shut-In (1)
79	277.19	133.65	Open To Flow (2)
115	472.87	136.27	Shut-In (2)
181	975.25	135.96	End Shut-In (2)
181	2234.46	136.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	HGCC&M 70%G 15%O 15%M	4.22
400.00	Slightly WCG&O 40%G 55%O 2%W 3%M	5.61
210.00	Heavy GCO 90%G 5%O 5%M	2.95
30.00	OSpotted M 100%M	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.00	6.89
Last Gas Rate	0.13	28.00	15.87
Max. Gas Rate	0.13	28.00	15.87



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TOOL DIAGRAM

Red Oak Energy

Smith #1-1

7701 E Kellogg Ste 710
Wichita KS 67207

1 15 41 Wallace KS

Job Ticket: 28704

DST#: 1

ATTN: Scott Banks

Test Start: 2007.06.29 @ 03:44:43

Tool Information

Drill Pipe:	Length: 4408.00 ft	Diameter: 3.80 inches	Volume: 61.83 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: 461.00 ft	Diameter: 2.25 inches	Volume: 2.27 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	64.10 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4890.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	56.00 ft				
Tool Length:	84.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4863.00	
Shut In Tool	5.00			4868.00	
Hydraulic tool	5.00			4873.00	
Jars	5.00			4878.00	
Safety Joint	3.00			4881.00	
Packer	5.00			4886.00	28.00 Bottom Of Top Packer
Packer	4.00			4890.00	
Stubb	1.00			4891.00	
Recorder	0.00	6755	Inside	4891.00	
Perforations	17.00			4908.00	
Change Over Sub	1.00			4909.00	
Drill Pipe	31.00			4940.00	
Change Over Sub	1.00			4941.00	
Recorder	0.00	2607	Inside	4941.00	
Bullnose	5.00			4946.00	56.00 Bottom Packers & Anchor

Total Tool Length: 84.00



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FLUID SUMMARY

Red Oak Energy

Smith #1-1

7701 E Kellogg Ste 710
Wichita KS 67207

1 15 41 Wallace KS

Job Ticket: 28704

DST#: 1

ATTN: Scott Banks

Test Start: 2007.06.29 @ 03:44:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.96 in³

Resistivity: 0.00 ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

33 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	HGCC&M 70%G 15%O 15%M	4.217
400.00	Slightly WCG&O 40%G 55%O 2%W 3%M	5.611
210.00	Heavy GCO 90%G 5%O 5%M	2.946
30.00	OSpotted M 100%M	0.421

Total Length: 1240.00 ft

Total Volume: 13.195 bbl

Num Fluid Samples: 0

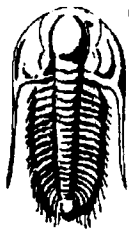
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

Red Oak Energy

Smith #1-1

7701 E Kellogg Ste 710
Wichita KS 67207

1 15 41 Wallace KS

Job Ticket: 28704

DST#: 1

ATTN: Scott Banks

Test Start: 2007.06.29 @ 03:44:43

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	15	0.13	4.00	6.89
2	20	0.13	7.00	8.01
2	25	0.13	13.50	10.44
2	30	0.13	19.00	12.50
2	35	0.13	21.00	13.25
2	40	0.13	24.00	14.37
2	45	0.13	28.00	15.87

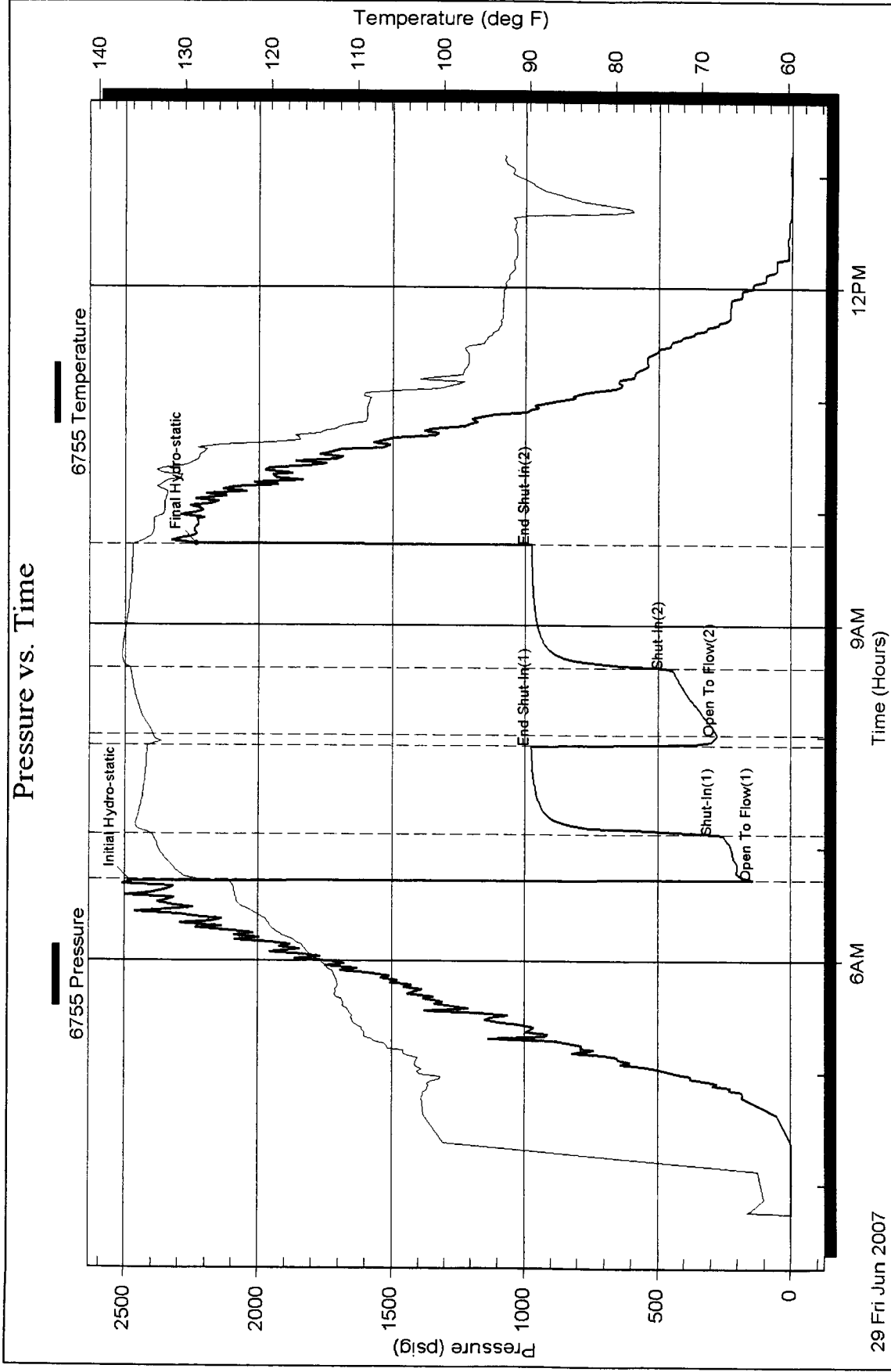
Serial #: 6755

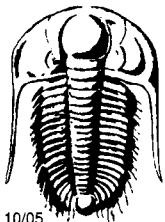
Inside

Red Oak Energy

1 15 41 Wallace KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28704

10332

Test Ticket

Well Name & No.	Smith #1-1	Test No.	1	Date	6-29-07
Company	Red Oak Energy	Zone Tested			
Address	7701 E. Kellogg Ste 710, Wichita KS 67202	Elevation	3740	KB	3727 GL
Co. Rep / Geo.	Scott Banks	Rig	Martin #25		
Location: Sec.	1	Twp.	15	Rge.	41
Co.	Wallace	State	KS		
Comment:		Release date / time:			

Interval Tested	4890 - 4946	Initial Str Wt./Lbs.	59000	Unseated Str Wt./Lbs.	62000
Anchor Length	56	Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	80000
Top Packer Depth	4886	Tool Weight	1500		
Bottom Packer Depth	4890	Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	4946	Wt. Pipe Run	0	Drill Collar Run	461
Mud Wt.	9.2 LCM 3# Vis. 52 WL 8.0	Drill Pipe Size	4 1/2 xh	Ft. Run	4408

Blow Description IF: BOB in 1 min
 FS: Bled off throughout
 FF: BOB in 1 min
 FS: Bled off throughout

Recovery - Total Feet	1240	GIP		Ft. in DC	461	Ft. in DP	779
Rec.	30	Feet of	0 spotted m	%gas		%oil	
Rec.	210	Feet of	Heavy GCO	90 %gas	5	%oil	
Rec.	400	Feet of	Slightly WC G+O	40 %gas	55	%oil	2
Rec.	600	Feet of	H GCO + M	70 %gas	15	%oil	15
Rec.		Feet of		%gas		%oil	
BHT	135	*F Gravity	35	*API D @	80	*F Corrected Gravity	
RW		@		Chlorides	3000	ppm Recovery	

(A) Initial Hydrostatic Mud	AK-1	Alpine	2400	PSI	Recorder No.	6755	Test	X	1200
(B) First Initial Flow Pressure			140	PSI	(depth)	4891	Jars	X	250
(C) First Final Flow Pressure			285	PSI	Recorder No.	2607	Safety Jk	X	75
(D) Initial Shut-In Pressure			975	PSI	(depth)	4941	Circ Sub	X	N/C
(E) Second Initial Flow Pressure			277	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			472	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			975	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			2385	PSI	Initial Shut-In	45	Shale Packer		

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Approved By [Signature]
 Our Representative Brandon D. Smith

Final Flow	45	T-On Location	01:00am	Std. By	225
Final Shut-In	60	T-Started	03:44am	Acc. Chg:	
		T-Open	06:35am	Other:	
		T-Pulled	09:35am	Total:	\$1953.75
		T-Out	13:10pm		



GAS VOLUME REPORT

Red Oak Energy
OPERATOR

Smith #1-1

WELL NAME AND NO.

1
DST NO.

2nd open

Remarks:

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

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

Smith 1-1

Red Oak

DT#1

7# 20704
Inside.

