

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Roberts Resources**

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

30 30 18W Kiowa KS

1-30 Robbins

Start Date: 2006.06.08 @ 18:27:07

End Date: 2006.06.09 @ 06:55:22

Job Ticket #: 24072 DST #: 1

15-099-21591-00-00

RECEIVED

JUN 23 2006

KCC WICHITA

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

Roberts Resources

1-30 Robbins

30 30 18W Kiowa KS

DST # 1

Altamont

2006.06.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Roberts Resources
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Wichita KS 67209
ATTN: Kent Roberts

1-30 Robbins
30 30 18W Kiowa KS
Job Ticket: 24072 **DST#: 1**
Test Start: 2006.06.08 @ 18:27:07

GENERAL INFORMATION:

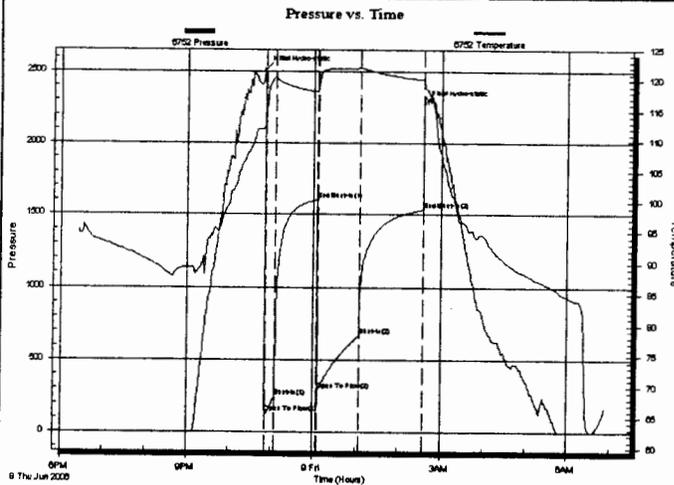
Formation: **Altamont**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 22:52:22
Time Test Ended: 06:55:22
Interval: **4918.00 ft (KB) To 4950.00 ft (KB) (TVD)**
Total Depth: 4950.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2208.00 ft (KB)
2200.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press@RunDepth: 668.91 psig @ 4919.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.06.08 End Date: 2006.06.09 Last Calib.: 2006.06.09
Start Time: 18:27:09 End Time: 06:55:22 Time On Btm: 2006.06.08 @ 22:50:22
Time Off Btm: 2006.06.09 @ 02:35:37

TEST COMMENT: IF Strong blow BOB in 1 min
ISI No blow
FF Strong blow BOB in 5 min
FSI Weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2511.85	112.57	Initial Hydro-static
2	130.63	115.44	Open To Flow (1)
16	246.05	120.72	Shut-In (1)
75	1601.30	118.12	End Shut-In (1)
76	290.67	118.80	Open To Flow (2)
135	668.91	121.99	Shut-In (2)
225	1535.08	120.12	End Shut-In (2)
226	2274.04	120.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	200' GIP	0.00
250.00	GCSWM 40%G 50%SW 10%M	3.51
1800.00	SW 100%SW 1.41 OHMS@70F=60000	25.25
0.00		0.00

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources

1-30 Robbins

520 S Holland Ste 207
Wichita KS 67209

30 30 18W Kiowa KS

ATTN: Kent Roberts

Job Ticket: 24072

DST#: 1

Test Start: 2006.06.08 @ 18:27:07

Tool Information

Drill Pipe:	Length: 4935.00 ft	Diameter: 3.80 inches	Volume: 69.23 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 51000.00 lb
			<u>Total Volume: 69.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	37.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	4918.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4903.00	
Hydraulic tool	5.00			4908.00	
Packer	5.00			4913.00	20.00 Bottom Of Top Packer
Packer	5.00			4918.00	
Stubb	1.00			4919.00	
Recorder	0.00	6752	inside	4919.00	
Perforations	28.00			4947.00	
Recorder	0.00	11019	Outside	4947.00	
Bullnose	3.00			4950.00	32.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



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FLUID SUMMARY

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520 S Holland Ste 207
Wichita KS 67209
ATTN: Kent Roberts

1-30 Robbins
30 30 18W Kiowa KS
Job Ticket: 24072 **DST#: 1**
Test Start: 2006.06.08 @ 18:27:07

Mud and Cushion Information

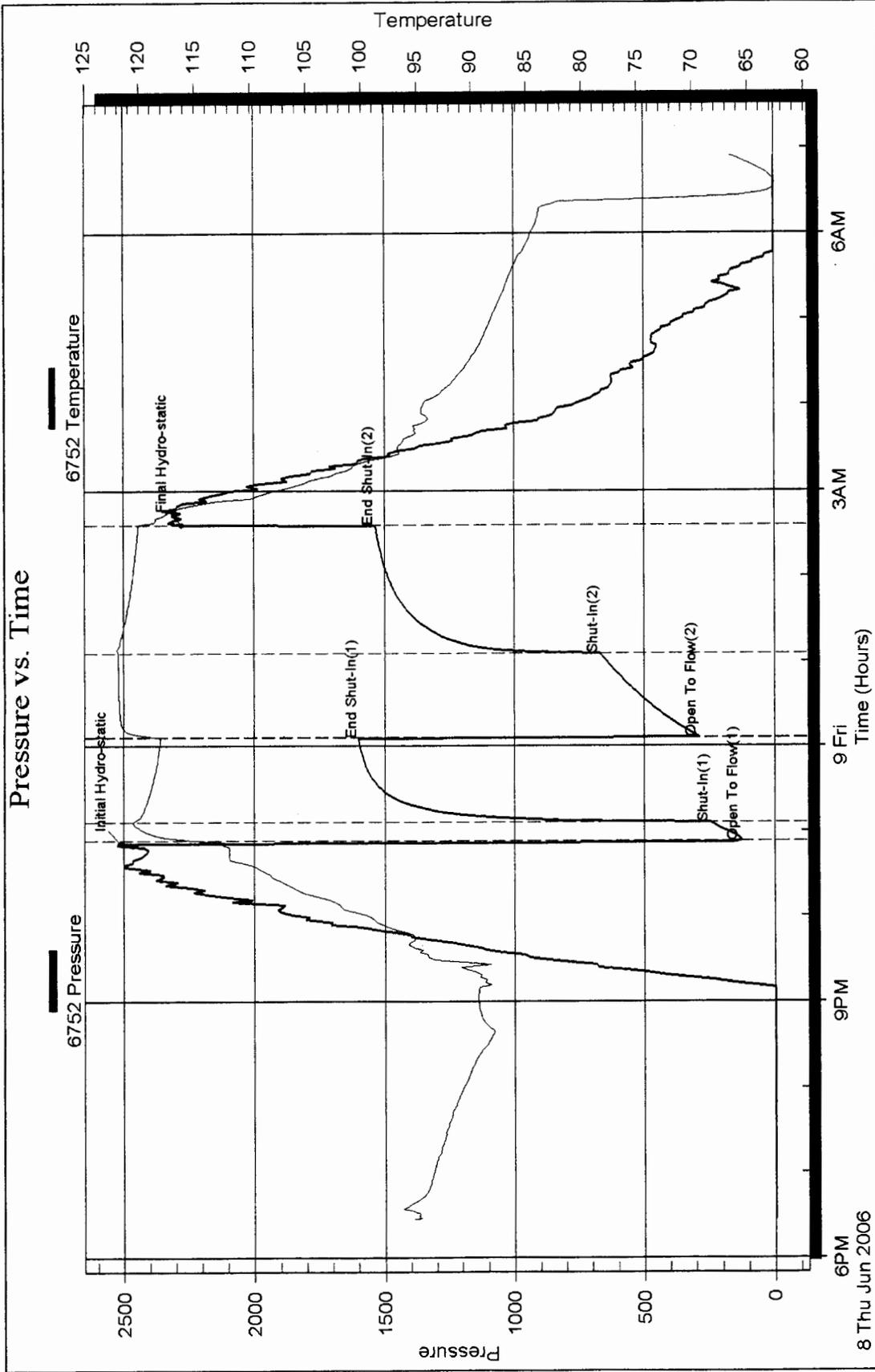
Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5500.00 ppm				
Filter Cake:	0.02 inches				

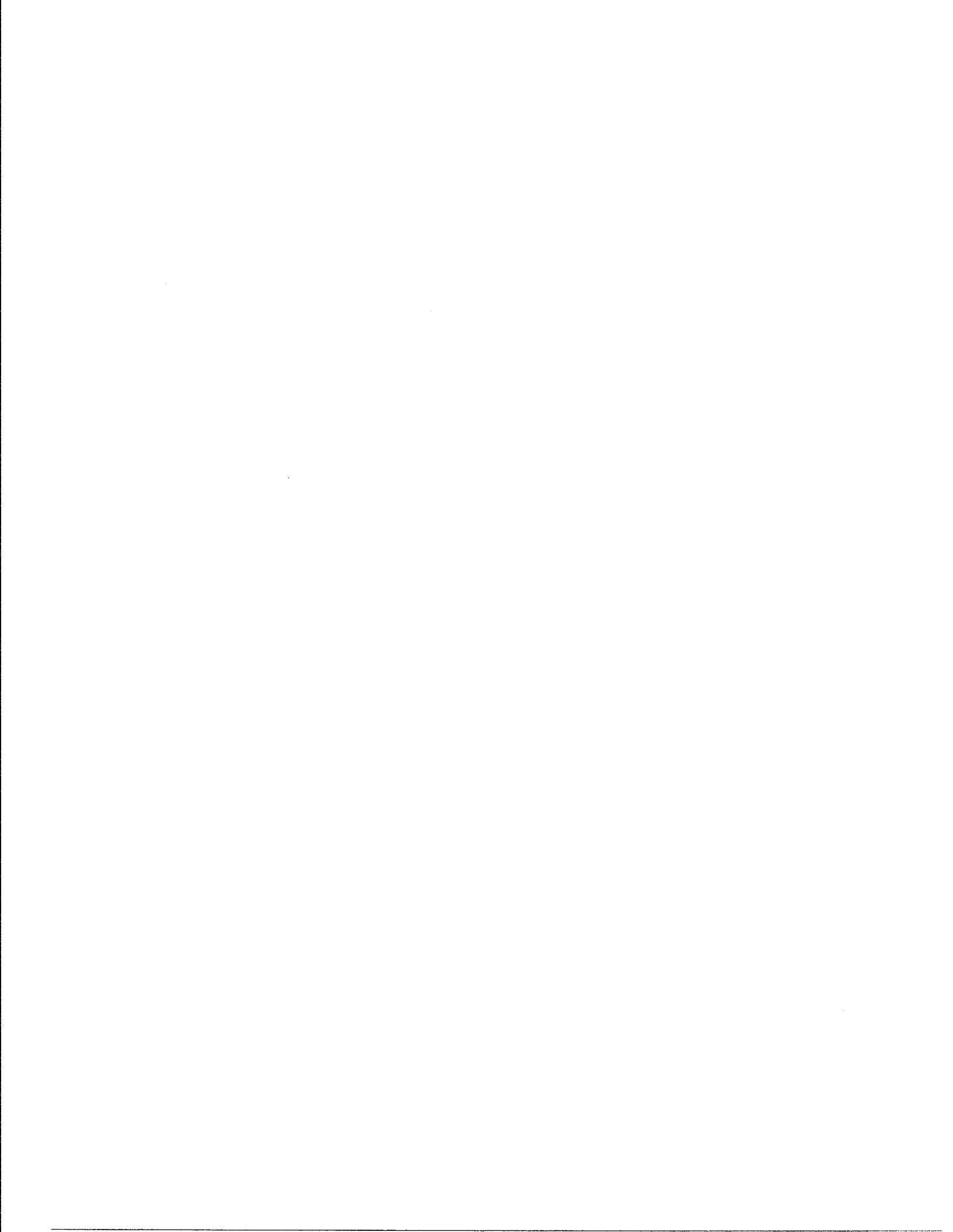
Recovery Information

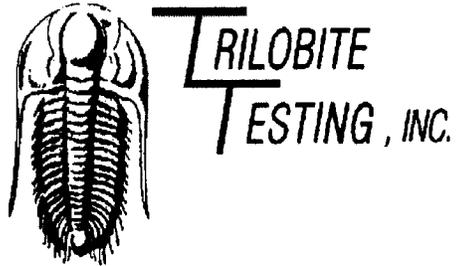
Recovery Table

Length ft	Description	Volume bbl
0.00	200' GIP	0.000
250.00	GCSWM 40%G 50%SW 10%M	3.507
1800.00	SW 100%SW 1.41 OHMS@70F=60000	25.249
0.00		0.000

Total Length: 2050.00 ft Total Volume: 28.756 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Roberts Resources**

520 S Holland Ste 207
Wichita KS 67209

ATTN: Kent Roberts

30 30 18W Kiowa KS

1-30 Robbins

Start Date: 2006.06.09 @ 21:20:18

End Date: 2006.06.10 @ 05:01:18

Job Ticket #: 24073 DST #: 2

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

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DST # 2

Cherokee Lime

2006.06.09



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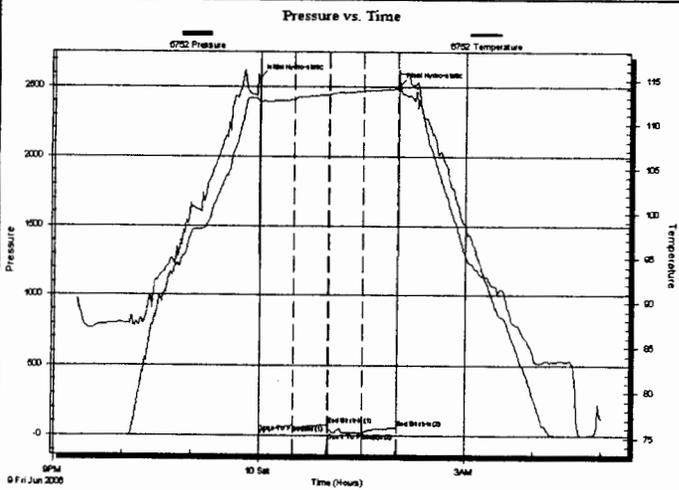
1-30 Robbins
30 30 18W Kiowa KS
Job Ticket: 24073 **DST#: 2**
Test Start: 2006.06.09 @ 21:20:18

GENERAL INFORMATION:

Formation: **Cherokee Lime**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:03
Time Test Ended: 05:01:18
Test Type: Conventional Bottom Hole
Tester: John Colavito
Unit No: 19
Interval: **5056.00 ft (KB) To 5090.00 ft (KB) (TVD)**
Reference Elevations: 2208.00 ft (KB)
Total Depth: 5090.00 ft (KB) (TVD) 2200.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6752 Inside
Press@RunDepth: 19.74 psig @ 5057.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.06.09 End Date: 2006.06.10 Last Calib.: 2006.06.10
Start Time: 21:20:20 End Time: 05:01:18 Time On Btm: 2006.06.09 @ 23:59:33
Time Off Btm: 2006.06.10 @ 02:01:18

TEST COMMENT: IF Weak surface blow
ISI No blow
FF No blow
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2563.26	112.76	Initial Hydro-static
1	20.93	112.46	Open To Flow (1)
31	74.60	112.72	Shut-in(1)
61	77.70	113.32	End Shut-in(1)
62	19.07	113.32	Open To Flow (2)
92	19.74	113.73	Shut-in(2)
122	54.52	114.01	End Shut-in(2)
122	2506.56	115.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% m	0.21
0.00		0.00

Gas Rates

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



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TOOL DIAGRAM

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Job Ticket: 24073 **DST#: 2**
Test Start: 2006.06.09 @ 21:20:18

Tool Information

Drill Pipe:	Length: 5056.00 ft	Diameter: 3.80 inches	Volume: 70.92 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 70.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	5056.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5041.00	
Hydraulic tool	5.00			5046.00	
Packer	5.00			5051.00	20.00 Bottom Of Top Packer
Packer	5.00			5056.00	
Stubb	1.00			5057.00	
Recorder	0.00	6752	Inside	5057.00	
Perforations	30.00			5087.00	
Recorder	0.00	11019	Outside	5087.00	
Bullnose	3.00			5090.00	34.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 23.96 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 15000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100%m	0.210
0.00		0.000

Total Length: 15.00 ft Total Volume: 0.210 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

