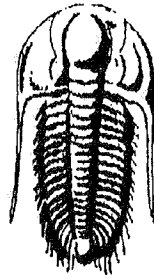


5-15s-20w

05-15s-20w
NE 5w SW NW



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gnad Oil**

1411 Mt Pleasant Rd
Hays KS 67601

ATTN: Jason Alm

5 15S 20W Ellis KS

Smokey Hill West #1

Start Date: 2007.10.25 @ 01:33:10

End Date: 2007.10.25 @ 05:13:05

Job Ticket #: 30641 DST #: 1

15-051-25698

2084 FNL+550 FWL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Gnad Oil

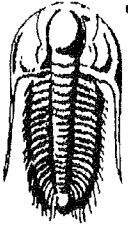
Smokey Hill West #1

5 15S 20W Ellis KS

DST # 1

Marmaton

2007.10.25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gnad Oil
1411 Mt Pleasant Rd
Hays KS 67601
ATTN: Jason Alm

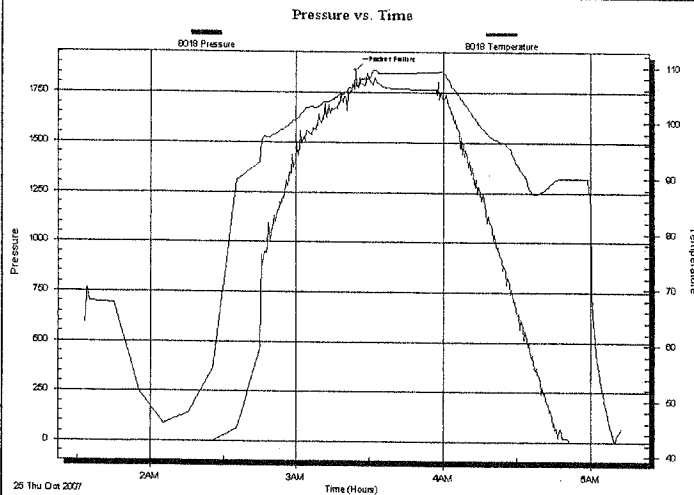
Smokey Hill West #1
5 15S 20W Ellis KS
Job Ticket: 30641 DST#: 1
Test Start: 2007.10.25 @ 01:33:10

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 05:13:05
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Interval: **3701.00 ft (KB) To 3720.00 ft (KB) (TVD)**
Reference Elevations: 2020.00 ft (KB)
Total Depth: 3720.00 ft (KB) (TVD) 2012.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8018 Inside
Press@RunDepth: psig @ 3702.01 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.10.25 End Date: 2007.10.25 Last Calib.: 1899.12.30
Start Time: 01:33:10 End Time: 05:13:05 Time On Btm:
Time Off Btm:

TEST COMMENT: IFP Packer Failure



PRESSURE SUMMARY

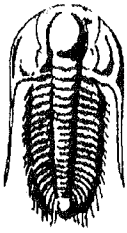
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1863.23	106.55	--Packer Failure

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gnad Oil

Smokey Hill West #1

1411 Mt Pleasant Rd
Hays KS 67601

5 15S 20W Ellis KS

Job Ticket: 30641

DST#: 1

ATTN: Jason Alm

Test Start: 2007.10.25 @ 01:33:10

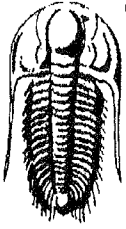
Tool Information

Drill Pipe:	Length: 3679.00 ft	Diameter: 3.80 inches	Volume: 51.61 bbl	Tool Weight: 2500.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: lb
		Total Volume: 51.76 bbl		Tool Chased: ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial lb
Depth to Top Packer:	3701.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.02 ft			
Tool Length:	39.02 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			3686.00	
Hydraulic tool	5.00			3691.00	
Packer	5.00			3696.00	20.00 Bottom Of Top Packer
Packer	5.00			3701.00	
Stubb	1.00			3702.00	
Recorder	0.01	8018	Inside	3702.01	
Perforations	15.00			3717.01	
Recorder	0.01	13548	Outside	3717.02	
Bullnose	3.00			3720.02	19.02 Bottom Packers & Anchor
Total Tool Length:	39.02				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gnad Oil
1411 Mt Pleasant Rd
Hays KS 67601
ATTN: Jason Alm

Smokey Hill West #1
5 15S 20W Ellis KS
Job Ticket: 30641 DST#: 1
Test Start: 2007.10.25 @ 01:33:10

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

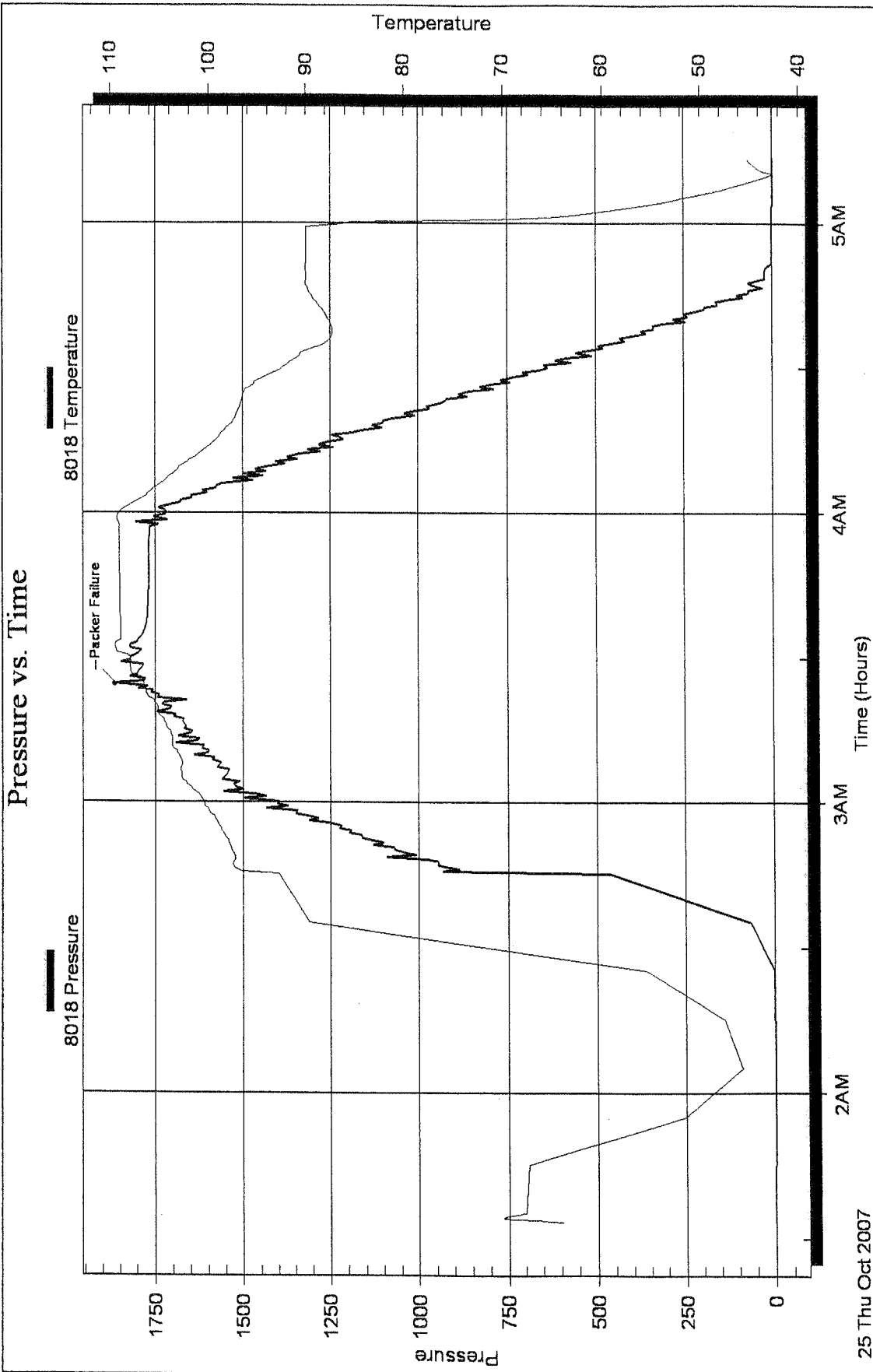
Recovery Information

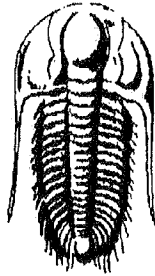
Recovery Table

Length ft	Description	Volume bbl

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

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gnad Oil**

1411 Mt Pleasant Rd
Hays KS 67601

ATTN: Jason Alm

5 15S 20W Ellis KS

Smokey Hill West #1

Start Date: 2007.10.25 @ 05:18:55

End Date: 2007.10.25 @ 11:15:49

Job Ticket #: 30642 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Gnad Oil

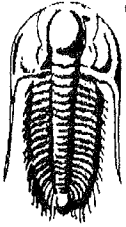
Smokey Hill West #1

5 15S 20W Ellis KS

DST # 2

Marmaton (2)

2007.10.25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gnad Oil
1411 Mt Pleasant Rd
Hays KS 67601
ATTN: Jason Alm

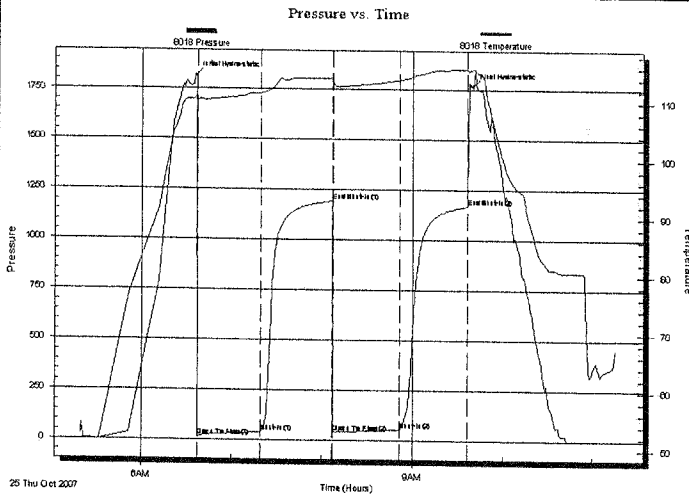
Smokey Hill West #1
5 15S 20W Ellis KS
Job Ticket: 30642 **DST#: 2**
Test Start: 2007.10.25 @ 05:18:55

GENERAL INFORMATION:

Formation: **Marmaton (2)**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:36:50
Time Test Ended: 11:15:49
Interval: **3686.00 ft (KB) To 3720.00 ft (KB) (TVD)**
Total Depth: 3720.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 2020.00 ft (KB)
2012.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 54.01 psig @ 3692.01 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.10.25 End Date: 2007.10.25 Last Calib.: 2007.10.25
Start Time: 05:18:55 End Time: 11:15:49 Time On Btm: 2007.10.25 @ 06:35:50
Time Off Btm: 2007.10.25 @ 09:39:19

TEST COMMENT: IFP Weak to fair blow 1/2" - 4 1/2"
ISI No blow back
FFP Weak blow throughout sur - 2 1/2"
FSI No blow back



PRESSURE SUMMARY

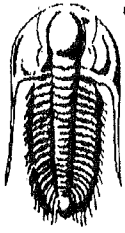
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1815.08	110.80	Initial Hydro-static
1	15.81	110.33	Open To Flow (1)
44	38.60	111.52	Shut-In(1)
91	1192.97	114.05	End Shut-In(1)
92	41.56	113.59	Open To Flow (2)
135	54.01	113.87	Shut-In(2)
181	1169.17	115.81	End Shut-In(2)
184	1767.42	115.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	VSO & WCM 5%O 5%W 90%M	0.64
10.00	G FREE OIL 5%G 90%O 5%M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gnad Oil
1411 Mt Pleasant Rd
Hays KS 67601
ATTN: Jason Alm

Smokey Hill West #1
5 15S 20W Ellis KS
Job Ticket: 30642 **DST#: 2**
Test Start: 2007.10.25 @ 05:18:55

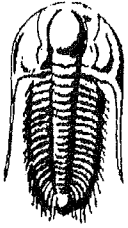
Tool Information

Drill Pipe:	Length: 3649.00 ft	Diameter: 3.80 inches	Volume: 51.19 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 2500.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 51.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3686.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.02 ft			
Tool Length:	54.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3671.00	
Hydraulic tool	5.00			3676.00	
Packer	5.00			3681.00	20.00 Bottom Of Top Packer
Packer	5.00			3686.00	
Stubb	1.00			3687.00	
Perforations	5.00			3692.00	
Recorder	0.01	8018	Inside	3692.01	
Perforations	25.00			3717.01	
Recorder	0.01	13548	Outside	3717.02	
Bullnose	3.00			3720.02	34.02 Bottom Packers & Anchor
Total Tool Length:	54.02				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Gnad Oil
1411 Mt Pleasant Rd
Hays KS 67601
ATTN: Jason Alm

Smokey Hill West #1
5 15S 20W Ellis KS
Job Ticket: 30642 DST#: 2
Test Start: 2007.10.25 @ 05:18:55

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 11000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.96 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	VSO & WCM 5%O 5%W 90%M	0.638
10.00	G FREE OIL 5%G 90%O 5%M	0.140

Total Length: 75.00 ft Total Volume: 0.778 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

