



DRILL STEM TEST REPORT

Prepared For: **Diversified Oper.Corp.**

15000 West 6th Ave Ste102
Golden Co.80401

ATTN: Bill Kemp

21-31s-21w Clark Ks.

Moore 21-11-8

Start Date: 2006.03.01 @ 08:04:53

End Date: 2006.03.01 @ 18:18:08

Job Ticket #: 24357 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

Diversified Oper. Corp.

Moore 21-11-8

15000 West 6th Ave Ste102
Golden Co.80401

21-31s-21w Clark Ks.

Job Ticket: 24357

DST#: 1

ATTN: Bill Kemp

Test Start: 2006.03.01 @ 08:04:53

GENERAL INFORMATION:

Formation: **Viola**

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

Time Tool Opened: 12:11:23

Time Test Ended: 18:18:08

Test Type: **Conventional Straddle**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **6085.00 ft (KB) To 6150.00 ft (KB) (TVD)**

Total Depth: **6420.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2080.00 ft (KB)**

2069.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6771 Inside

Press@RunDepth: **59.95 psig @ 6086.00 ft (KB)**

Start Date: **2006.03.01**

End Date: **2006.03.01**

Start Time: **08:04:58**

End Time: **18:18:08**

Capacity: **7000.00 psig**

Last Calib.: **2006.03.01**

Time On Btm: **2006.03.01 @ 12:08:53**

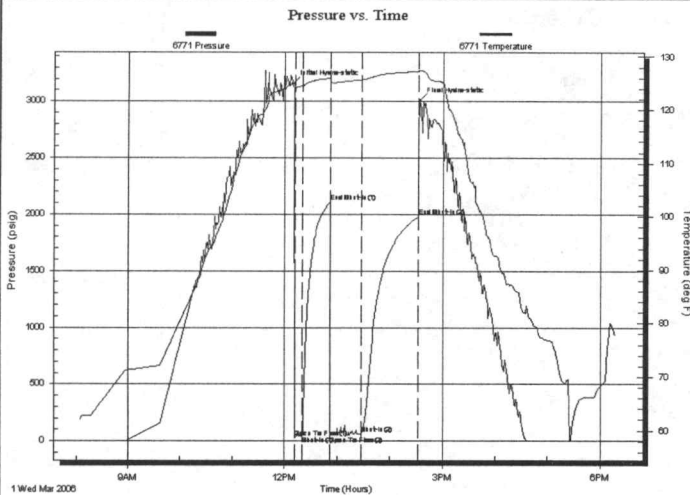
Time Off Btm: **2006.03.01 @ 14:33:53**

TEST COMMENT: IF:Weak blow . 1/2 - 3/4".

IS:No blow .

FF:No blow .

FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3156.53	124.97	Initial Hydro-static
3	27.14	124.07	Open To Flow (1)
12	46.33	124.50	Shut-In(1)
43	2106.89	125.98	End Shut-In(1)
44	47.81	125.26	Open To Flow (2)
79	59.95	125.66	Shut-In(2)
144	1981.49	127.27	End Shut-In(2)
145	3004.93	127.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Heavy Mud	0.30

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Diversified Oper. Corp.
15000 West 6th Ave Ste102
Golden Co.80401
ATTN: Bill Kemp

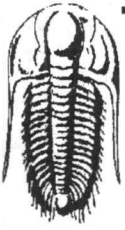
Moore 21-11-8
21-31s-21w Clark Ks.
Job Ticket: 24357 **DST#: 1**
Test Start: 2006.03.01 @ 08:04:53

Tool Information

Drill Pipe:	Length: 5919.00 ft	Diameter: 3.80 inches	Volume: 83.03 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: 24000.00 lb
Drill Collar:	Length: 150.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 83.77 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	6085.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	6150.00 ft			
Interval between Packers:	65.00 ft			
Tool Length:	365.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			6056.00	
Shut In Tool	5.00			6061.00	
Sampler	3.00			6064.00	
Hydraulic tool	5.00			6069.00	
Jars	5.00			6074.00	
Safety Joint	2.00			6076.00	
Packer	4.00			6080.00	30.00 Bottom Of Top Packer
Packer	5.00			6085.00	
Stubb	1.00			6086.00	
Recorder	0.00	6771	Inside	6086.00	
Perforations	3.00			6089.00	
Change Over Sub	1.00			6090.00	
Blank Spacing	30.00			6120.00	
Change Over Sub	1.00			6121.00	
Perforations	25.00			6146.00	
Recorder	0.00	10290	Outside	6146.00	
Blank Off Sub	1.00			6147.00	
travel collar	3.00			6150.00	65.00 Tool Interval
Packer	0.00			6150.00	
Stubb	1.00			6151.00	
Perforations	12.00			6163.00	
Change Over Sub	1.00			6164.00	
Blank Spacing	250.00			6414.00	
Change Over Sub	1.00			6415.00	
Recorder	0.00	13222	Below	6415.00	
Bullnose	5.00			6420.00	270.00 Bottom Packers & Anchor
Total Tool Length:	365.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Diversified Oper. Corp.

Moore 21-11-8

15000 West 6th Ave Ste102
Golden Co.80401

21-31s-21w Clark Ks.

ATTN: Bill Kemp

Job Ticket: 24357

DST#: 1

Test Start: 2006.03.01 @ 08:04:53

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:	9000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.39 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Heavy Mud	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data:1760 Mi.of mud,some cuttings & LCM @ 99 psi.

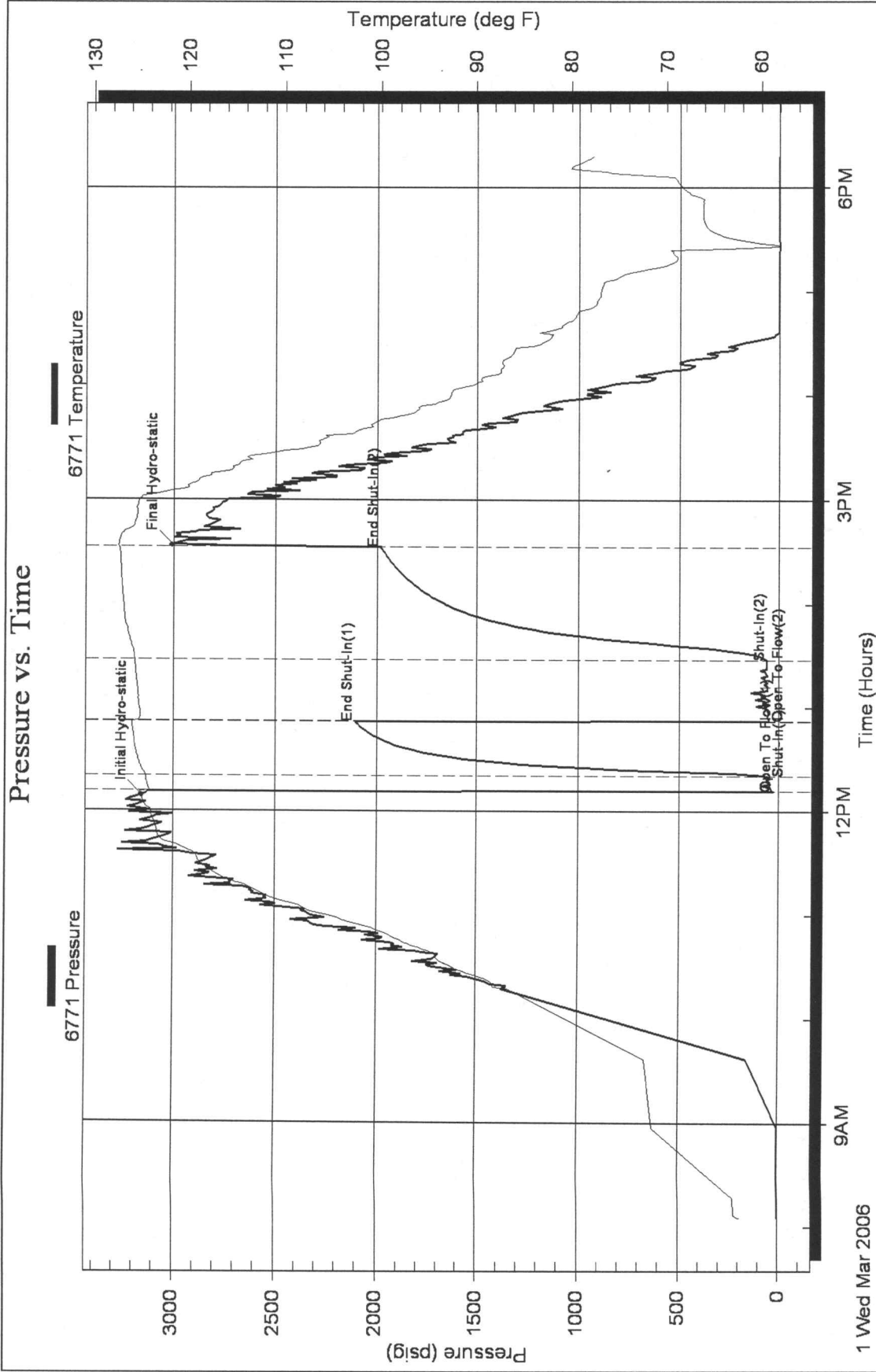
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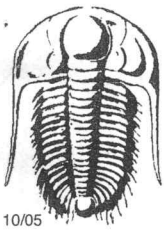
Inside

Diversified Oper. Corp.

21-31s-21w Clark Ks.

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

3485

No 24357

Test Ticket

Well Name & No. Moose 21-11-8 Test No. 1 Date 03-01-06
 Company Diversified Operating Corp. Zone Tested Viola
 Address 15,000 West 6th Ave. Ste. 102, Golden, Co. 80401 Elevation 2080 KB 2069 GL
 Co. Rep / Geo. Bill Kemp Rig Marjorie Dwy. #21
 Location: Sec. 21 Twp. 31S Rge. 21W Co. Clark State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 6085 - 6150' Initial Str Wt./Lbs. 74,000 Unseated Str Wt/Lbs. 79,000
 Anchor Length 65' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 90,000
 Top Packer Depth 6080' & 6085' Tool Weight 2100#
 Bottom Packer Depth 6150' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 6420' Wt. Pipe Run None Drill Collar Run 150'
 Mud Wt. 9.2 LCM 5# Vis. 52 WL 124cc Drill Pipe Size 4 1/2" Ft. Run 5919
 Blow Description IF: Weak blow. 1/2-3/4". IGI: No blow.

FF: No blow. FSI: No blow.

COMMENT: Bridge @ approx. 6310' & pushed pipe remainder of way to bottom.

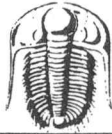
Recovery - Total Feet 60 GIP 9 Ft. in DC 60 Ft. in DP 0
 Rec. 60 Feet of Heavy Mud %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 127 °F Gravity N/A °API D @ ✓ °F Corrected Gravity N/A °API _____
 RW N.C. @ ✓ °F Chlorides 9,000 ppm Recovery _____ Chlorides 9,000 ppm System _____

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	3157	PSI	6221	✓ 1300 ⁰⁰
(B) First Initial Flow Pressure	27	PSI	(depth) 6086'	Jars ✓ 250 ⁰⁰
(C) First Final Flow Pressure	46	PSI	Recorder No. 10290	Safety Jt. ✓ 75 ⁰⁰
(D) Initial Shut-In Pressure	2107	PSI	(depth) 6146'	Circ Sub _____
(E) Second Initial Flow Pressure	48	PSI	Recorder No. 13222	Sampler ✓ 250 ⁰⁰
(F) Second Final Flow Pressure	60	PSI	(depth) 6415'	Straddle ✓ 350 ⁰⁰
(G) Final Shut-In Pressure	1981	PSI	Initial Opening 8	Ext. Packer ✓ 200 ⁰⁰
(Q) Final Hydrostatic Mud	3005	PSI	Initial Shut-In 30	Shale Packer _____
			Final Flow 35	Ruined Packer _____
			Final Shut-In 60	Mileage 78 ✓ 97 ⁵⁰
			T-On Location 0658	Sub Total: 2,522 ⁵⁰
			T-Started 0804	Std. By _____
			T-Open 1211	Acc. Chg: _____
			T-Pulled 1430	Other: _____
			T-Out 1818	Total: 2,522 ⁵⁰

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Approved By _____

Our Representative Gary Diversified



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 24357 Date 03-01-06
 Company Name Diversified Oper. Corp
 Lease Moore 21-11-8 Test No. 1
 County Clark Ks. Sec. 21 Twp. 31S Rng. 21W

SAMPLER RECOVERY

Gas 0 ~~ML~~
 Oil 0 ML
 Mud 1760 ML
 Water 0 ML
 Other LCM/CUTTINGS ML
 Pressure 99 PSI ~~MB~~
 Total 1760 ML

PIT MUD ANALYSIS

Chlorides 9,000 ppm.
 Resistivity N.C. ohms @ ~ F
 Viscosity 52
 Mud Weight 9.2
 Filtrate 12.4 cc
 Other LCM 6th/32

SAMPLER ANALYSIS

Resistivity N.C. ohms @ ~ F
 Chlorides 9,000 ppm.
 Gravity N/A corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
60 Deg. Mud
 Resistivity N.C. ohms @ ~ F
 Chlorides 9,000 ppm.

CHART PAGE

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

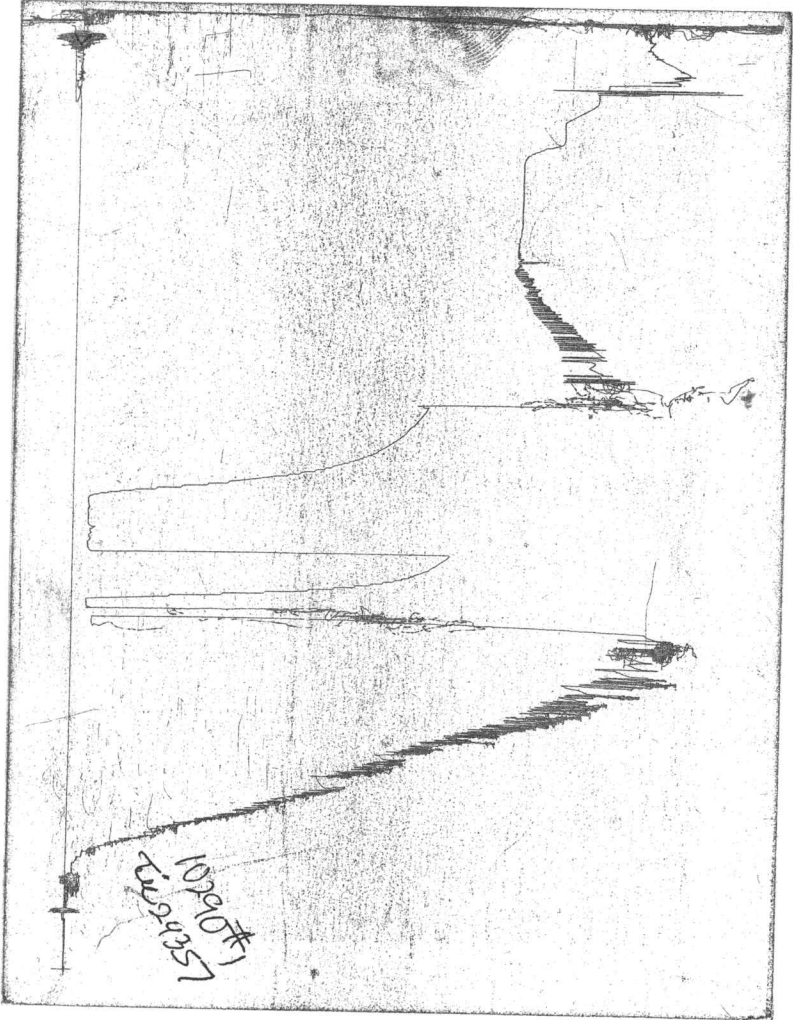


CHART PAGE

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

