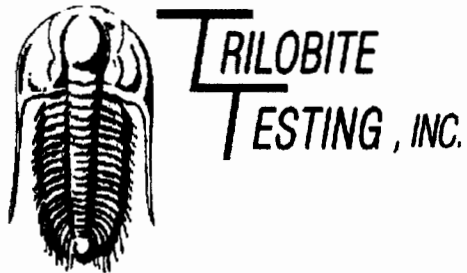


15-097-21647

KGS ✓



DRILL STEM TEST REPORT

Prepared For: **Indian Oil Co Inc**

PO Box 209
Medicine Lodge KS 67104

ATTN: Scott Alberg

18 27s 16w Kiowa KS

Davis #3-18

Start Date: 2008.11.09 @ 21:21:35

End Date: 2008.11.10 @ 09:58:50

Job Ticket #: 33211 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Indian Oil Co Inc

Davis #3-18

18 27s 16w Kiowa KS

DST # 1

Lansing A-B

2008.11.09



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Indian Oil Co Inc
 PO Box 209
 Medicine Lodge KS 67104
 ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
 Job Ticket: 33211 **DST#: 1**
 Test Start: 2008.11.09 @ 21:21:35

GENERAL INFORMATION:

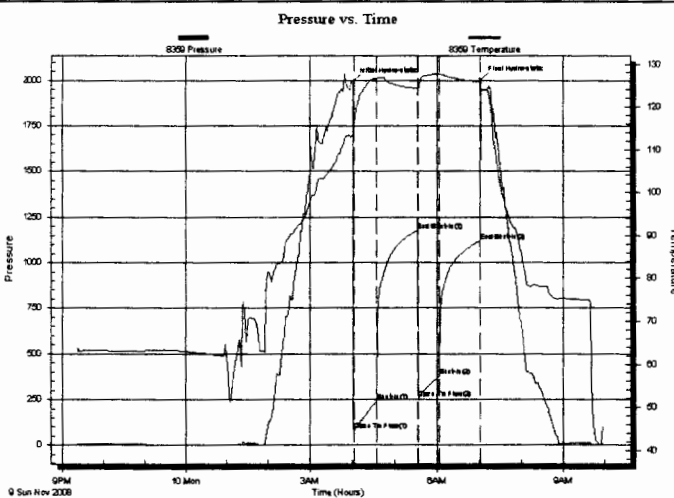
Formation: **Lansing A-B**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 04:02:05
 Time Test Ended: 09:58:50
 Interval: **4108.00 ft (KB) To 4129.00 ft (KB) (TVD)**
 Total Depth: **4129.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Esak Hadley**
 Unit No: **46**
 Reference Elevations: **2122.00 ft (KB)**
2112.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 8359

Inside

Press@RunDepth: **378.83 psig @ 4109.00 ft (KB)**
 Start Date: **2008.11.09** End Date: **2008.11.10** Capacity: **7000.00 psig**
 Start Time: **21:21:40** End Time: **09:58:50** Last Calib.: **2008.11.10**
 Time On Btm: **2008.11.10 @ 04:00:49**
 Time Off Btm: **2008.11.10 @ 07:02:20**

TEST COMMENT: IF Strong blow . BOB in 90 sec.
 ISI Weak blow . BOB in 9 min.
 FF Fair blow . BOB in 4 min.
 FSI Weak blow . BOB in 12 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1992.44	113.26	Initial Hydro-static
2	81.22	115.09	Open To Flow (1)
34	239.12	126.61	Shut-In (1)
92	1175.72	124.22	End Shut-In (1)
93	254.26	123.97	Open To Flow (2)
123	378.83	127.67	Shut-In (2)
181	1117.02	125.77	End Shut-In (2)
182	2005.34	124.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	G&OCWM 10%g 15%o 25%w 50%m	1.33
189.00	G&OCMW 15%g 15%o 30%m 40%w	2.65
126.00	G&OCMW 15%g 15%o 20%m 50%w	1.77
126.00	G&OCMW 5%g 5%o 5%m 85%w	1.77
252.00	GCMW w/ o specs 5%g 5%m 90%w	3.53
0.00	Rw .15 @ 47 deg. = 75000 ppm	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33211 **DST#: 1**
Test Start: 2008.11.09 @ 21:21:35

Tool Information

Drill Pipe:	Length: 4111.00 ft	Diameter: 3.80 inches	Volume: 57.67 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 57.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4108.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	49.00 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			4081.00	
Shut In Tool	5.00			4086.00	
Hydraulic tool	5.00			4091.00	
Jars	5.00			4096.00	
Safety Joint	2.00			4098.00	
Packer	5.00			4103.00	28.00 Bottom Of Top Packer
Packer	5.00			4108.00	
Stubb	1.00			4109.00	
Recorder	0.00	8359	Inside	4109.00	
Recorder	0.00	8354	Inside	4109.00	
Perforations	15.00			4124.00	
Bullnose	5.00			4129.00	21.00 Bottom Packers & Anchor

Total Tool Length: 49.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33211 **DST#: 1**
Test Start: 2008.11.09 @ 21:21:35

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:	75000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.56 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 11000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	G&OCWM 10%g 15%o 25%w 50%m	1.333
189.00	G&OCMW 15%g 15%o 30%m 40%w	2.651
126.00	G&OCMW 15%g 15%o 20%m 50%w	1.767
126.00	G&OCMW 5%g 5%o 5%m 85%w	1.767
252.00	GCMW w/ o specs 5%g 5%m 90%w	3.535
0.00	Rw .15 @ 47 deg. = 75000 ppm	0.000

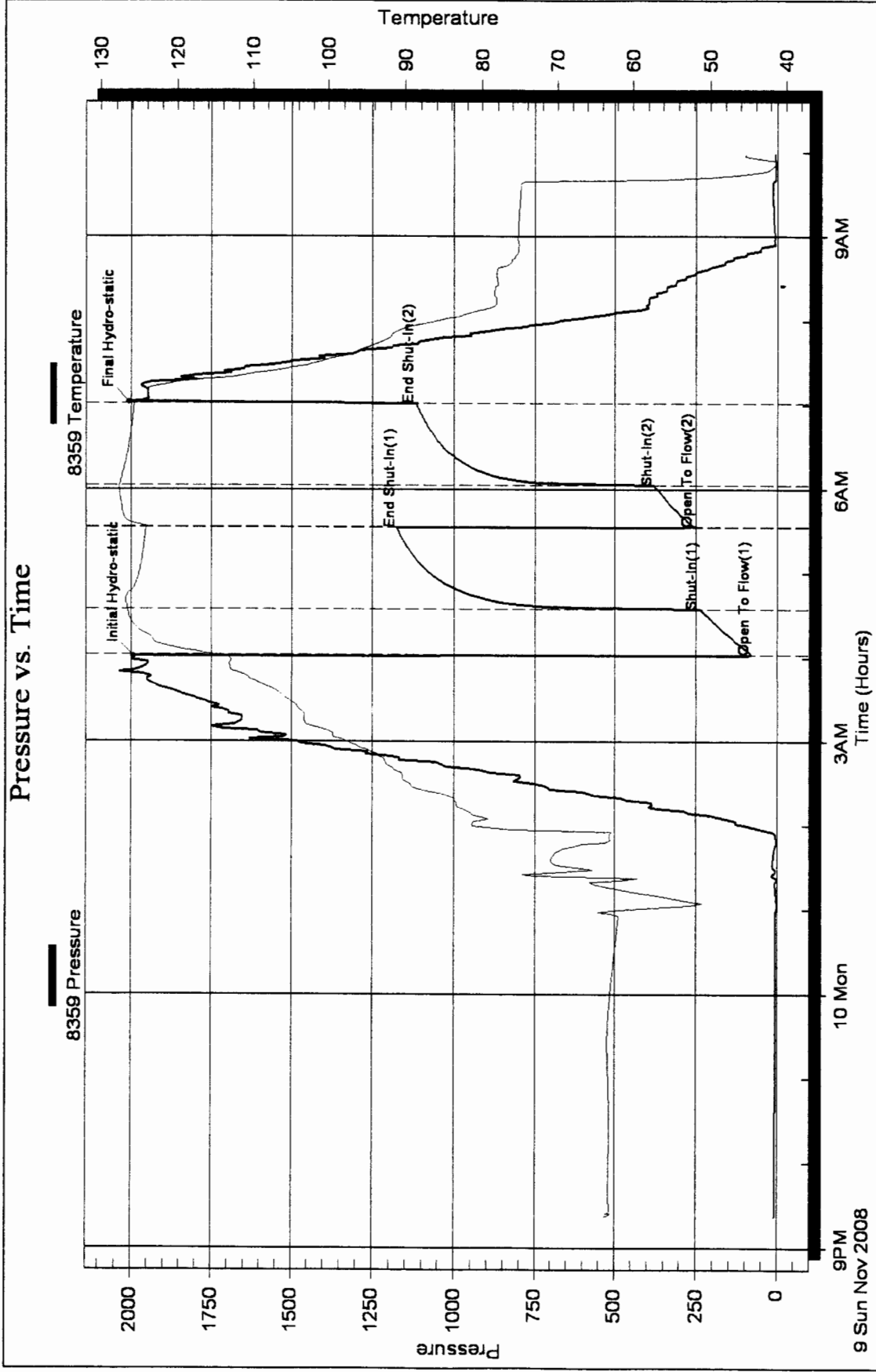
Total Length: 788.00 ft Total Volume: 11.053 bbl

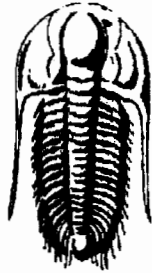
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Indian Oil Co Inc**

PO Box 209
Medicine Lodge KS 67104

ATTN: Scott Alberg

18 27s 16w Kiowa KS

Davis #3-18

Start Date: 2008.11.11 @ 17:41:49

End Date: 2008.11.12 @ 09:11:19

Job Ticket #: 33212 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Indian Oil Co Inc

Davis #3-18

18 27s 16w Kiowa KS

DST # 2

Cherokee

2008.11.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

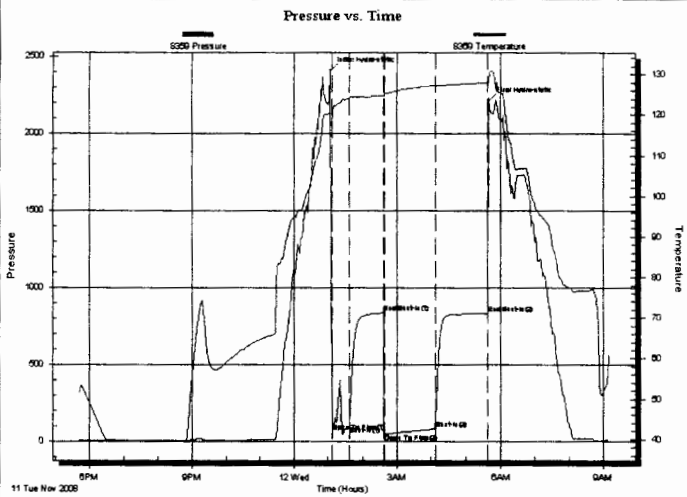
Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33212 **DST#: 2**
Test Start: 2008.11.11 @ 17:41:49

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:06:49
Time Test Ended: 09:11:19
Interval: **4562.00 ft (KB) To 4620.00 ft (KB) (TVD)**
Total Depth: 4620.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Esak Hadley
Unit No: 46
Reference Elevations: 2122.00 ft (KB)
2112.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8359 **Inside**
Press@RunDepth: 80.57 psig @ 4563.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.11.11 End Date: 2008.11.12 Last Calib.: 2008.11.12
Start Time: 17:41:54 End Time: 09:11:19 Time On Btm: 2008.11.12 @ 01:04:19
Time Off Btm: 2008.11.12 @ 05:39:34

TEST COMMENT: IF Weak blow . BOB in 12 min.
ISI No blow .
FF Strong blow . BOB in 2 sec. GTS in 38 min. (see gas flow report)
FSI Weak surface blow . No more than 1/4".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2406.47	120.22	Initial Hydro-static
3	62.09	117.01	Open To Flow (1)
32	97.01	124.08	Shut-In(1)
93	834.85	124.73	End Shut-In(1)
95	50.46	124.65	Open To Flow (2)
183	80.57	127.20	Shut-In(2)
275	829.08	127.97	End Shut-In(2)
276	2213.82	128.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbt)
50.00	GCM 2%g 98%sm	0.70

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	20.00	12.88
Last Gas Rate	0.13	35.00	18.49
Max. Gas Rate	0.13	35.00	18.49



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Indian Oil Co Inc

Davis #3-18

PO Box 209
Medicine Lodge KS 67104

18 27s 16w Kiowa KS

Job Ticket: 33212 **DST#: 2**

ATTN: Scott Alberg

Test Start: 2008.11.11 @ 17:41:49

Tool Information

Drill Pipe:	Length: 4553.00 ft	Diameter: 3.80 inches	Volume: 63.87 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 63.87 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4562.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 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			4535.00	
Shut In Tool	5.00			4540.00	
Hydraulic tool	5.00			4545.00	
Jars	5.00			4550.00	
Safety Joint	2.00			4552.00	
Packer	5.00			4557.00	28.00 Bottom Of Top Packer
Packer	5.00			4562.00	
Stubb	1.00			4563.00	
Recorder	0.00	8359	Inside	4563.00	
Recorder	0.00	8354	Inside	4563.00	
Perforations	19.00			4582.00	
Change Over Sub	1.00			4583.00	
Blank Spacing	31.00			4614.00	
Change Over Sub	1.00			4615.00	
Bullnose	5.00			4620.00	58.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33212 **DST#: 2**
Test Start: 2008.11.11 @ 17:41:49

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	GCM 2%g 98%m	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl
Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: eh-1
Laboratory Name: Caraway Laboratory Location: Liberal, KS
Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104

Davis #3-18

18 27s 16w Kiowa KS

Job Ticket: 33212

DST#: 2

ATTN: Scott Alberg

Test Start: 2008.11.11 @ 17:41:49

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	45	0.13	20.00	12.88
2	45	0.13	20.00	12.88
2	55	0.13	25.00	14.75
2	65	0.13	28.00	15.87
2	75	0.13	33.00	17.74
2	85	0.13	35.00	18.49

Serial #: 8359

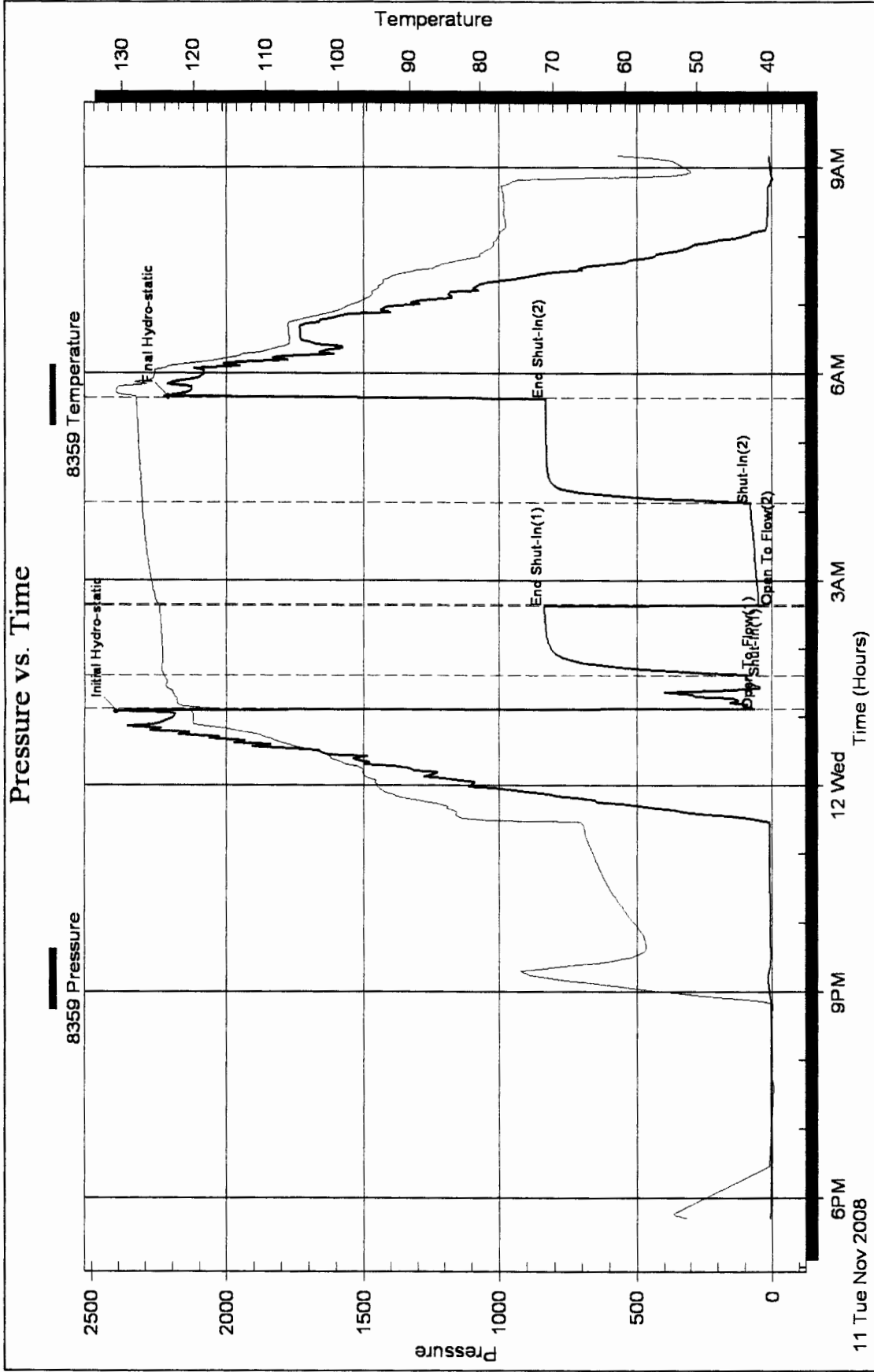
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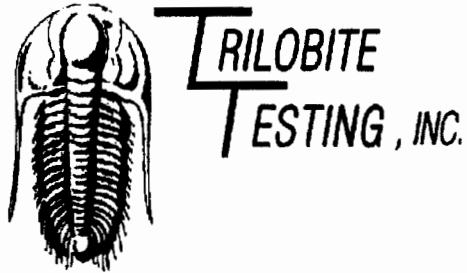
Indian Oil Co Inc

18 27s 16w Kiowa KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Indian Oil Co Inc**

PO Box 209
Medicine Lodge KS 67104

ATTN: Scott Alberg

18 27s 16w Kiowa KS

Davis #3-18

Start Date: 2008.11.12 @ 18:23:26

End Date: 2008.11.13 @ 03:30:26

Job Ticket #: 33213 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Indian Oil Co Inc

Davis #3-18

18 27s 16w Kiowa KS

DST # 3

Kinderhook

2008.11.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33213 **DST#: 3**
Test Start: 2008.11.12 @ 18:23:26

GENERAL INFORMATION:

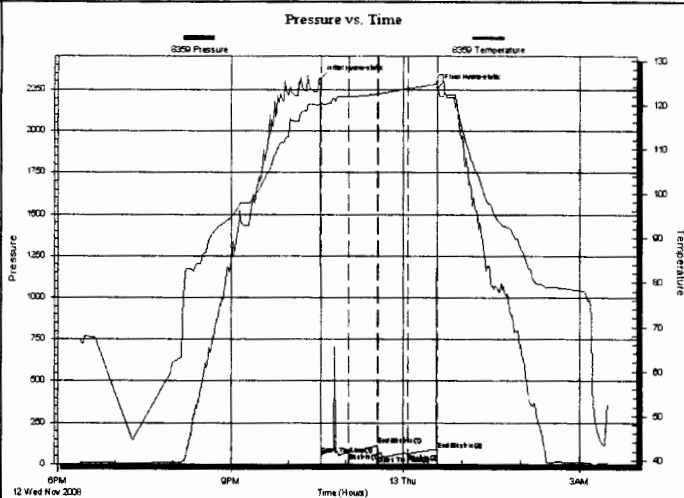
Formation: **Kinderhook**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:33:56
Time Test Ended: 03:30:26
Interval: **4645.00 ft (KB) To 4680.00 ft (KB) (TVD)**
Total Depth: 4680.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Esak Hadley
Unit No: 46
Reference Elevations: 2122.00 ft (KB)
2112.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8359

Inside

Press@RunDepth: 61.14 psig @ 4646.00 ft (KB)
Start Date: 2008.11.12 End Date: 2008.11.13
Start Time: 18:23:31 End Time: 03:30:26
Capacity: 7000.00 psig
Last Calib.: 2008.11.13
Time On Btm: 2008.11.12 @ 22:32:41
Time Off Btm: 2008.11.13 @ 00:35:25

TEST COMMENT: IF Weak surface blow . No more than 1/4".
ISI No blow .
FF Weak surface blow . No more than 1/4".
FSI No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2311.60	120.48	Initial Hydro-static
2	55.55	120.41	Open To Flow (1)
31	69.61	121.92	Shut-In(1)
60	112.59	122.46	End Shut-In(1)
61	50.40	122.47	Open To Flow (2)
92	61.14	123.68	Shut-In(2)
123	87.81	124.73	End Shut-In(2)
123	2261.16	126.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	drlg. mud	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33213 **DST#: 3**
Test Start: 2008.11.12 @ 18:23:26

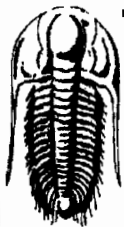
Tool Information

Drill Pipe:	Length: 4648.00 ft	Diameter: 3.80 inches	Volume: 65.20 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 65.20 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	4645.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	63.00 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			4618.00	
Shut In Tool	5.00			4623.00	
Hydraulic tool	5.00			4628.00	
Jars	5.00			4633.00	
Safety Joint	2.00			4635.00	
Packer	5.00			4640.00	28.00 Bottom Of Top Packer
Packer	5.00			4645.00	
Stubb	1.00			4646.00	
Recorder	0.00	8359	inside	4646.00	
Recorder	0.00	8354	inside	4646.00	
Perforations	29.00			4675.00	
Bullnose	5.00			4680.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33213 **DST#: 3**
Test Start: 2008.11.12 @ 18:23:26

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: 78.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 18000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	drilg. mud	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8359

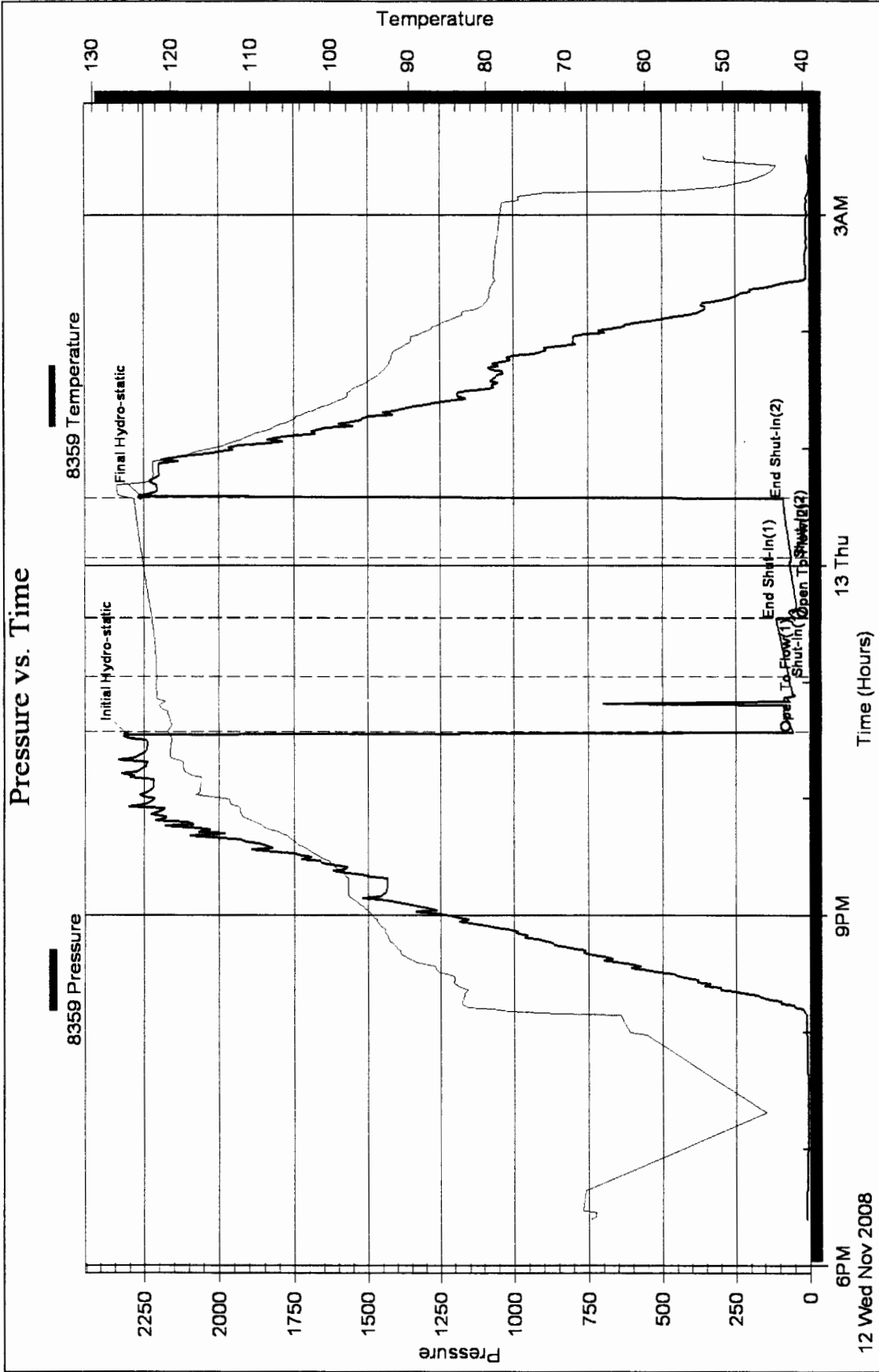
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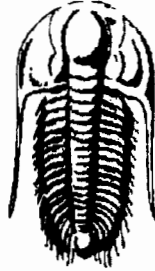
Indian Oil Co Inc

18 27s 16w Klow a KS

DST Test Number: 3

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Indian Oil Co Inc**

PO Box 209
Medicine Lodge KS 67104

ATTN: Scott Alberg

18 27s 16w Kiowa KS

Davis #3-18

Start Date: 2008.11.13 @ 12:12:51

End Date: 2008.11.13 @ 18:24:06

Job Ticket #: 33214 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Indian Oil Co Inc

Davis #3-18

18 27s 16w Kiowa KS

DST # 4

Kinderhook

2008.11.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

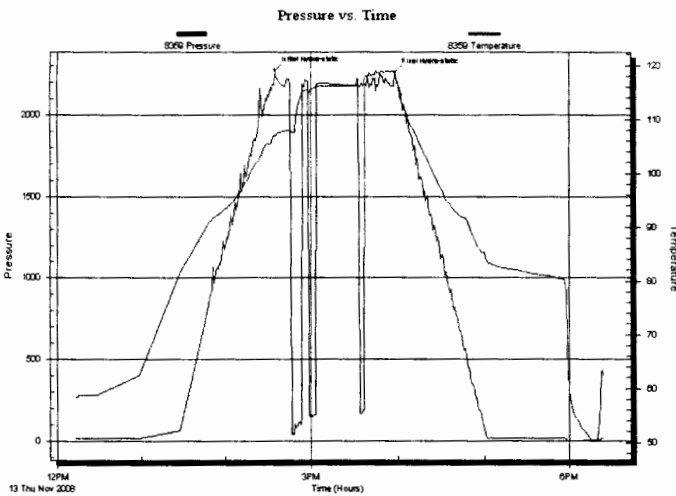
Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33214 **DST#: 4**
Test Start: 2008.11.13 @ 12:12:51

GENERAL INFORMATION:

Formation: **Kinderhook**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 18:24:06
Interval: **4645.00 ft (KB) To 4690.00 ft (KB) (TVD)**
Total Depth: 4690.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2122.00 ft (KB)
2112.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8359 **Inside**
Press@RunDepth: psig @ 4646.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.11.13 End Date: 2008.11.13 Last Calib.: 2008.11.13
Start Time: 12:12:56 End Time: 18:24:05 Time On Btm: 2008.11.13 @ 14:34:51
Time Off Btm: 2008.11.13 @ 15:58:36

TEST COMMENT: IF no test due to packer failure
ISI
FF
FSI



PRESSURE SUMMARY

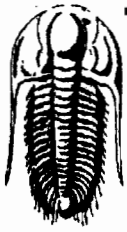
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2272.70	106.98	Initial Hydro-static
84	2259.18	118.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
390.00	drilg. mud	5.47

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33214 **DST#: 4**
Test Start: 2008.11.13 @ 12:12:51

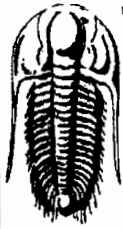
Tool Information

Drill Pipe:	Length: 4647.00 ft	Diameter: 3.80 inches	Volume: 65.19 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:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 65.19 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	4645.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	73.00 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			4618.00	
Shut In Tool	5.00			4623.00	
Hydraulic tool	5.00			4628.00	
Jars	5.00			4633.00	
Safety Joint	2.00			4635.00	
Packer	5.00			4640.00	28.00 Bottom Of Top Packer
Packer	5.00			4645.00	
Stubb	1.00			4646.00	
Recorder	0.00	8359	Inside	4646.00	
Recorder	0.00	8354	Inside	4646.00	
Perforations	39.00			4685.00	
Bullnose	5.00			4690.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33214 **DST#: 4**
Test Start: 2008.11.13 @ 12:12:51

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: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 15.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 22000.00 ppm			
Filter Cake: 0.20 inches			

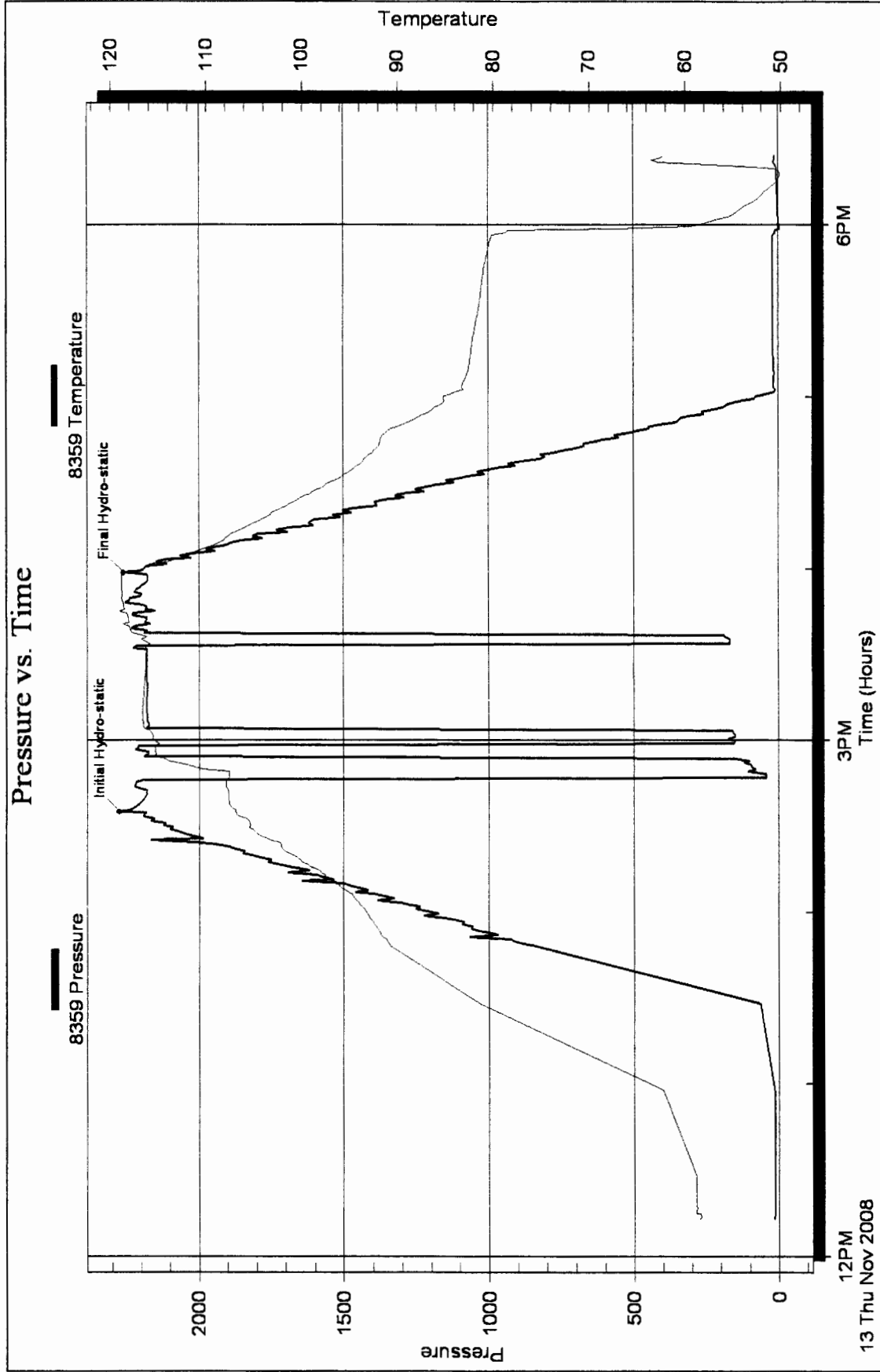
Recovery Information

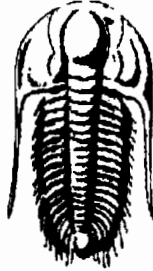
Recovery Table

Length ft	Description	Volume bbl
390.00	drlg. mud	5.471

Total Length: 390.00 ft Total Volume: 5.471 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: **Indian Oil Co Inc**

PO Box 209
Medicine Lodge KS 67104

ATTN: Scott Alberg

18 27s 16w Kiowa KS

Davis #3-18

Start Date: 2008.11.14 @ 12:14:44

End Date: 2008.11.14 @ 20:20:29

Job Ticket #: 33215 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Indian Oil Co Inc

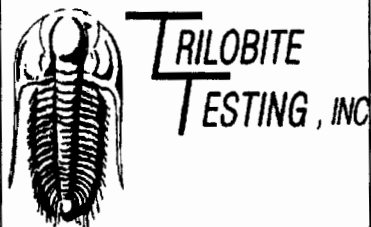
Davis #3-18

18 27s 16w Kiowa KS

DST # 5

Kinderhook

2008.11.14



DRILL STEM TEST REPORT

Indian Oil Co Inc
 PO Box 209
 Medicine Lodge KS 67104
 ATTN: Scott Alberg

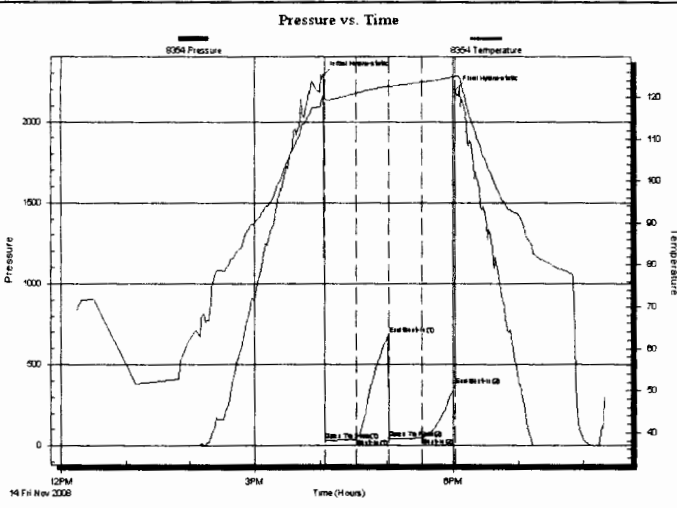
Davis #3-18
18 27s 16w Kiowa KS
 Job Ticket: 33215 **DST#: 5**
 Test Start: 2008.11.14 @ 12:14:44

GENERAL INFORMATION:

Formation: **Kinderhook**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:03:59
 Time Test Ended: 20:20:29
 Interval: **4639.00 ft (KB) To 4704.00 ft (KB) (TVD)**
 Total Depth: 4750.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle
 Tester: Esak Hadley
 Unit No: 46
 Reference Elevations: 2122.00 ft (KB)
 2112.00 ft (CF)
 KB to GRVCF: 10.00 ft

Serial #: 8354 **Inside**
 Press@RunDepth: 46.23 psig @ 4640.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.11.14 End Date: 2008.11.14 Last Calib.: 2008.11.14
 Start Time: 12:14:49 End Time: 20:20:28 Time On Btm: 2008.11.14 @ 16:03:44
 Time Off Btm: 2008.11.14 @ 18:02:13

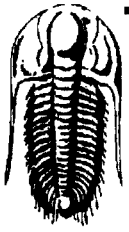
TEST COMMENT: IF Weak blow . No more than 1/2".
 ISI No blow .
 FF No blow .
 FSI No blow .



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2288.70	120.47	Initial Hydro-static
1	29.19	119.69	Open To Flow (1)
29	41.32	120.94	Shut-In(1)
58	685.54	122.66	End Shut-In(1)
58	41.46	122.51	Open To Flow (2)
88	46.23	123.65	Shut-In(2)
118	370.26	124.84	End Shut-In(2)
119	2197.73	125.15	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
50.00	drig. mud	0.70

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33215 **DST#: 5**
Test Start: 2008.11.14 @ 12:14:44

Tool Information

Drill Pipe:	Length: 4615.00 ft	Diameter: 3.80 inches	Volume: 64.74 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 64.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4639.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	4704.00 ft			
Interval between Packers:	65.00 ft			
Tool Length:	149.00 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			4612.00	
Shut In Tool	5.00			4617.00	
Hydraulic tool	5.00			4622.00	
Jars	5.00			4627.00	
Safety Joint	2.00			4629.00	
Packer	5.00			4634.00	28.00 Bottom Of Top Packer
Packer	5.00			4639.00	
Stubb	1.00			4640.00	
Recorder	0.00	8354	Inside	4640.00	
Recorder	0.00	13266	Inside	4640.00	
Perforations	29.00			4669.00	
Change Over Sub	1.00			4670.00	
Blank Spacing	32.00			4702.00	
Change Over Sub	1.00			4703.00	
Blank Off Sub	1.00			4704.00	65.00 Tool Interval
Packer	0.00			4704.00	
Perforations	17.00			4721.00	
Recorder	0.00	8359	Below	4721.00	
Change Over Sub	1.00			4722.00	
Blank Spacing	32.00			4754.00	
Change Over Sub	1.00			4755.00	
Bullnose	5.00			4760.00	56.00 Bottom Packers & Anchor
Total Tool Length:	149.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Indian Oil Co Inc
PO Box 209
Medicine Lodge KS 67104
ATTN: Scott Alberg

Davis #3-18
18 27s 16w Kiowa KS
Job Ticket: 33215 **DST#: 5**
Test Start: 2008.11.14 @ 12:14:44

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 13000.00 ppm			
Filter Cake: 0.20 inches			

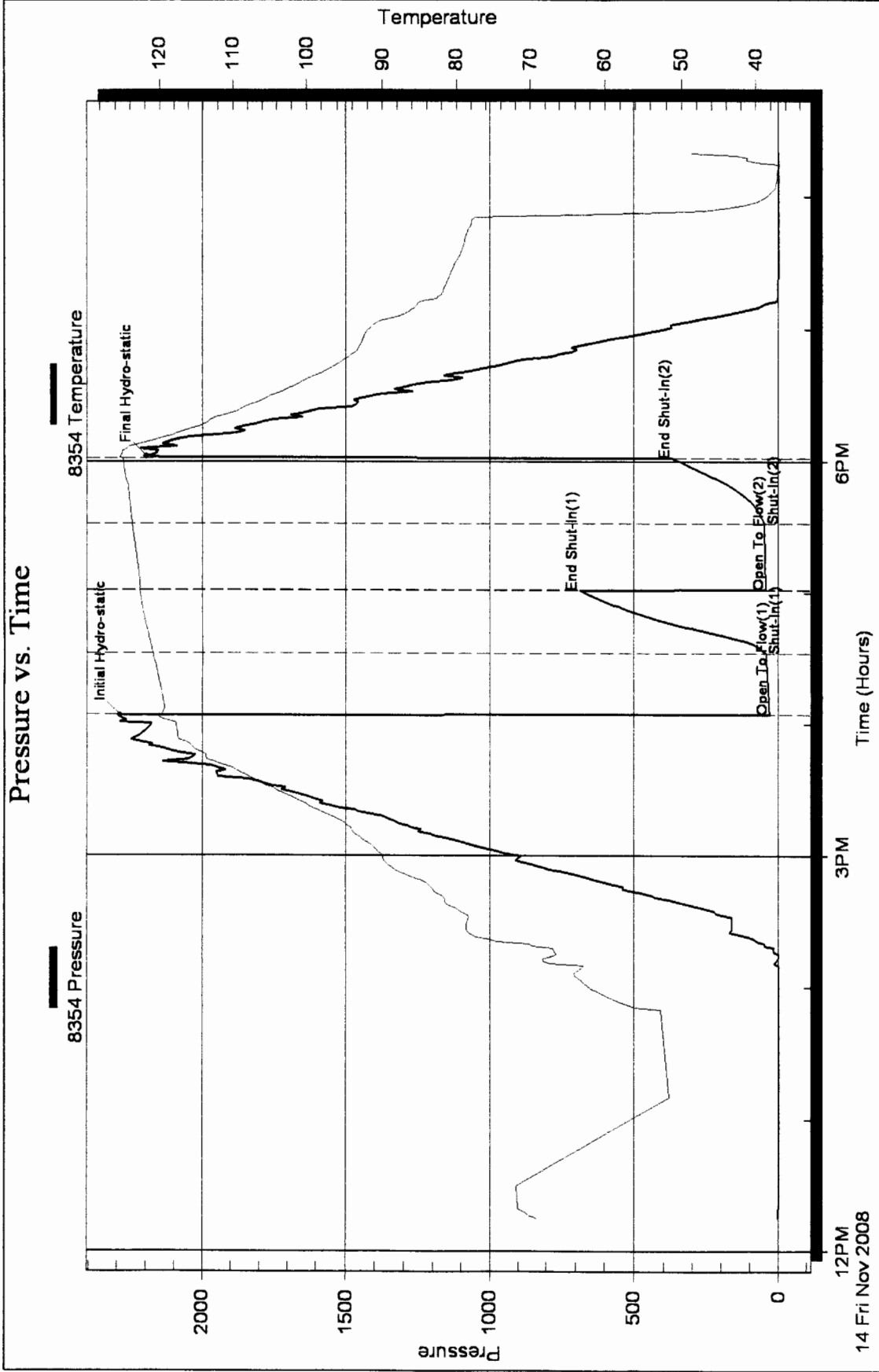
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	drilg. mud	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



12PM
14 Fri Nov 2008

3PM

6PM

Time (Hours)