

DRILL STEM TEST REPORT

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

ATTN: Derek Patterson

Job Ticket: 17000

DST#: 1

Test Start: 2013.01.15 @ 21:08:00

GENERAL INFORMATION:

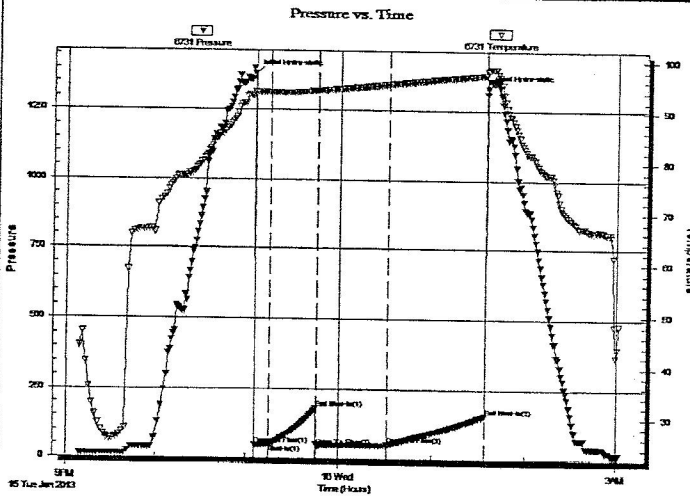
Formation: **Douglas Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:05:30
 Time Test Ended: 03:02:00
 Interval: 2836.00 ft (KB) To 2873.00 ft (KB) (TVD)
 Total Depth: 2873.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend-45
 Reference Elevations: 1757.00 ft (KB)
 1749.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 49.31 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.15 End Date: 2013.01.16 Last Calib.: 2013.01.16
 Start Time: 21:09:00 End Time: 03:02:00 Time On Btm: 2013.01.15 @ 23:04:30
 Time Off Btm: 2013.01.16 @ 01:35:00

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 2 inches into bucket in 10 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built bottom of bucket in 24 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

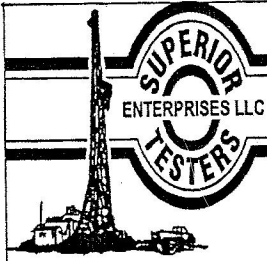
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1379.21	94.04	Initial Hydro-static
1	46.30	93.82	Open To Flow (1)
10	49.31	93.85	Shut-in(1)
41	178.61	94.16	End Shut-in(1)
42	43.78	94.16	Open To Flow (2)
87	49.94	95.50	Open To Flow (3)
150	155.43	97.35	End Shut-in(2)
151	1329.68	98.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Oil cut mud 20%oil 80%mud	0.35
0.00	35 feet gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17000

DST#: 1

ATTN: Derek Patterson

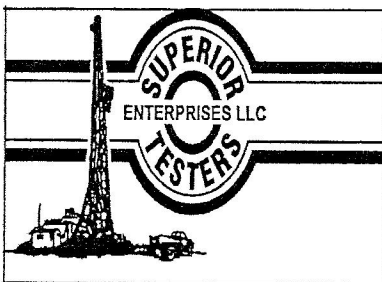
Test Start: 2013.01.15 @ 21:08:00

Tool Information

Drill Pipe:	Length: 2823.00 ft	Diameter: 3.80 inches	Volume: 39.60 bbl	Tool Weight: 1000.00 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 39.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2836.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	65.00 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			2813.00	
Hydraulic Tool	5.00			2818.00	
Jars	6.00			2824.00	
Safety Joint	2.00			2826.00	
Packer	5.00			2831.00	28.00 Bottom Of Top Packer
Packer	5.00			2836.00	
Anchor	32.00			2868.00	
Recorder	1.00	6731	Inside	2869.00	
Recorder	1.00	8159	Outside	2870.00	
Bullnose	3.00			2873.00	37.00 Bottom Packers & Anchor
Total Tool Length:	65.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17000

DST#: 1

ATTN: Derek Patterson

Test Start: 2013.01.15 @ 21:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 7.17 in³

Resistivity: ohm.m

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psia

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Oil cut mud 20%oil 80%mud	0.351
0.00	35 feet gas in pipe	0.000

Total Length: 25.00 ft

Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

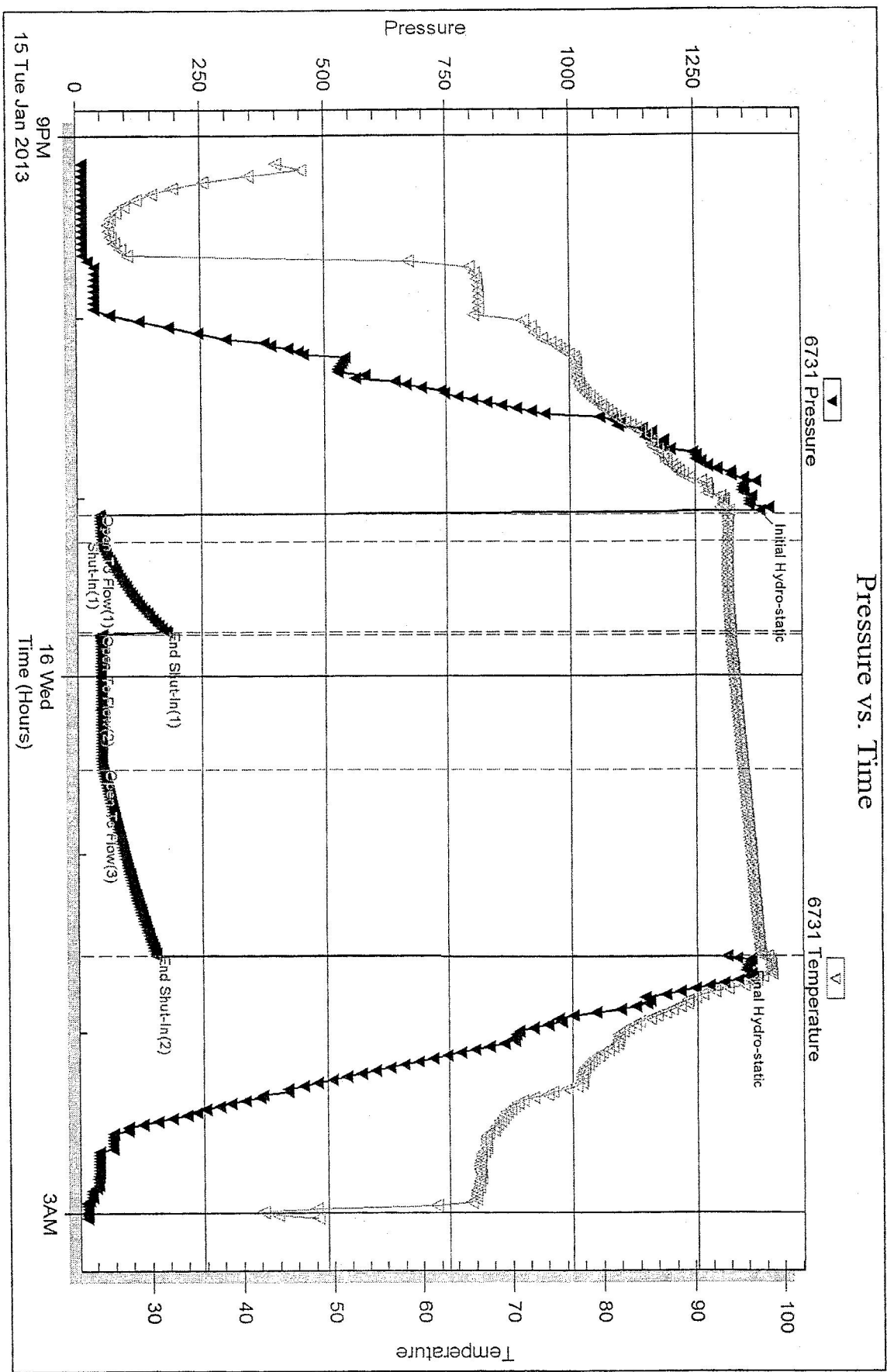
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

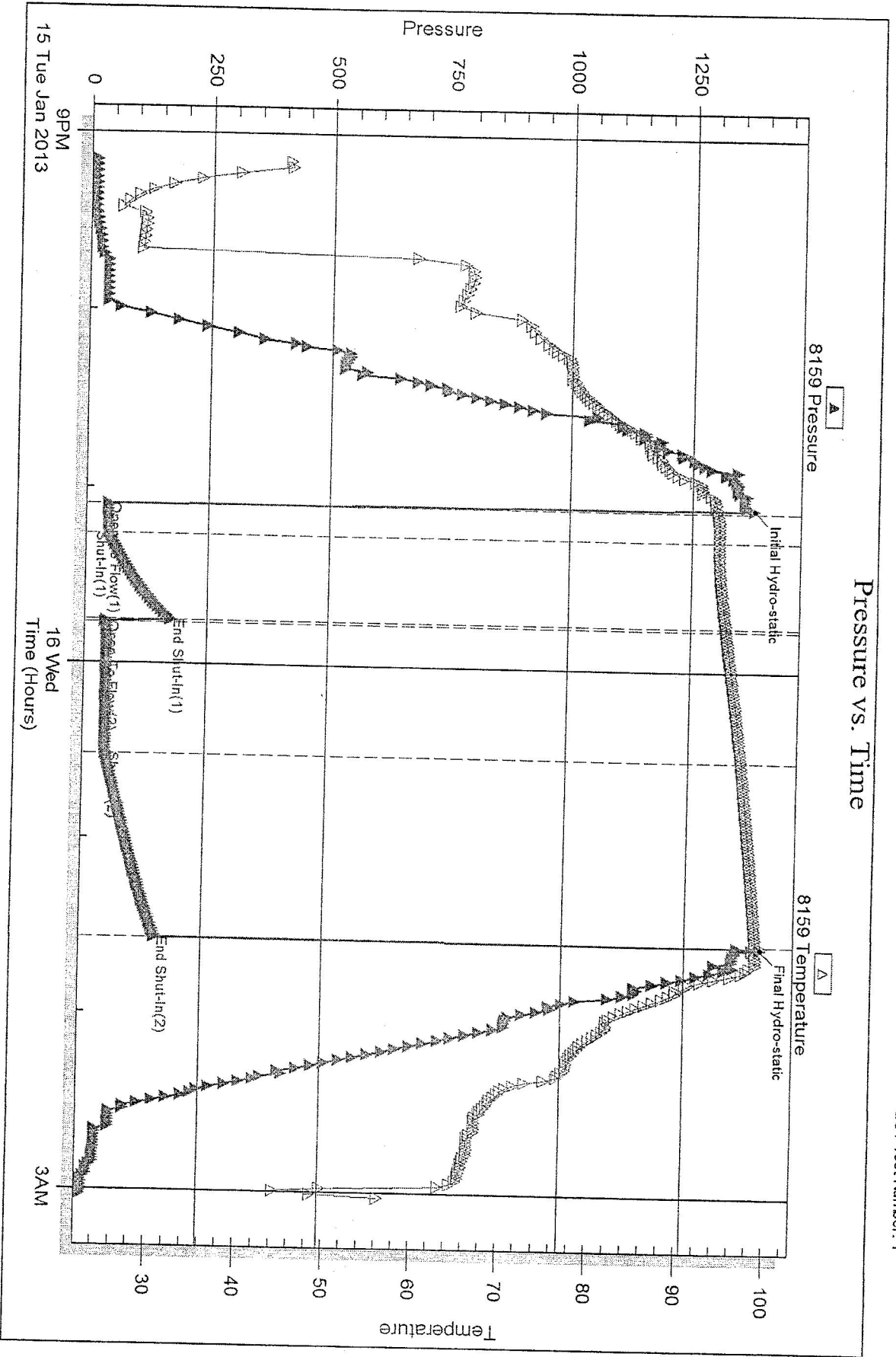


Serial #: 8159

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

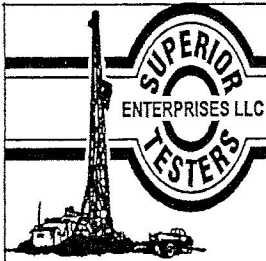
DST Test Number: 1



Superior Testers Enterprises LLC

Ref. No: 17000

Printed: 2013.01.21 @ 16:19:35



DRILL STEM TEST REPORT

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

ATTN: Derek Patterson

Job Ticket: 17376

DST#: 2

Test Start: 2013.01.16 @ 11:43:00

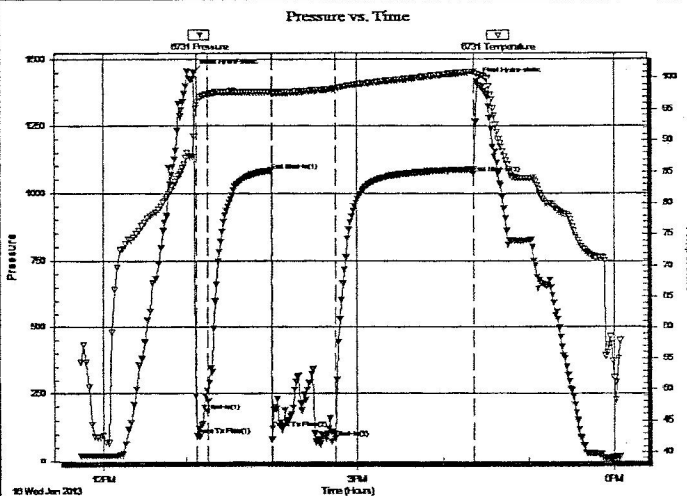
GENERAL INFORMATION:

Formation: **Lansing B Zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:07:30
 Time Test Ended: 18:04:30
 Interval: 2968.00 ft (KB) To 2984.00 ft (KB) (TVD)
 Total Depth: 2984.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend-45
 Reference Elevations: 1757.00 ft (KB)
 1749.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 84.97 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.16 End Date: 2013.01.16 Last Calib.: 2013.01.16
 Start Time: 11:44:00 End Time: 18:04:30 Time On Btm: 2013.01.16 @ 13:05:30
 Time Off Btm: 2013.01.16 @ 16:23:30

TEST COMMENT: 1st Opening 10 Minutes-Strong blow built bottom of bucket in 1 minute
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in less then 1 minute gas to surface at end of open
 2nd Shut-in 90 Minutes-Very weak surface blow



PRESSURE SUMMARY

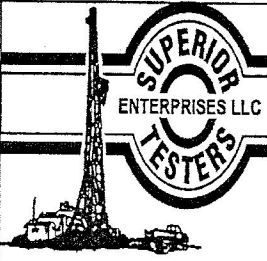
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1447.92	90.70	Initial Hydro-static
2	95.84	96.16	Open To Flow (1)
10	183.28	97.44	Shut-In(1)
55	1084.08	97.75	End Shut-In(1)
56	121.97	97.63	Open To Flow (2)
100	84.97	98.32	Shut-In(2)
196	1070.88	101.02	End Shut-In(2)
198	1414.54	100.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud	0.28
0.00	2930 gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17376

DST#: 2

ATTN: Derek Patterson

Test Start: 2013.01.16 @ 11:43:00

GENERAL INFORMATION:

Formation: **Lansing B Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:07:30

Time Test Ended: 18:04:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-45

Interval: 2968.00 ft (KB) To 2984.00 ft (KB) (TVD)

Total Depth: 2984.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1757.00 ft (KB)

1749.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 1087.67 psia @ ft (KB)

Start Date: 2013.01.16

End Date: 2013.01.16

Start Time: 11:44:00

End Time: 18:05:00

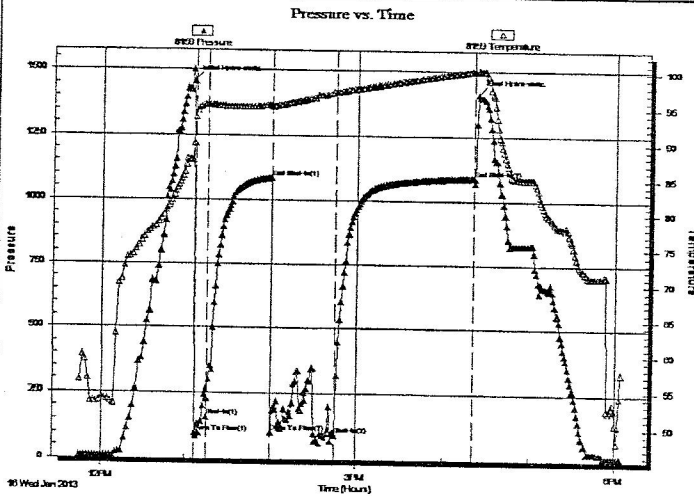
Capacity: 5000.00 psia

Last Calib.: 2013.01.16

Time On Btm: 2013.01.16 @ 13:05:30

Time Off Btm: 2013.01.16 @ 16:23:30

TEST COMMENT: 1st Opening 10 Minutes-Strong blow built bottom of bucket in 1 minute
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in less than 1 minute gas to surface at end of open
 2nd Shut-in 90 Minutes-Very weak surface blow



PRESSURE SUMMARY

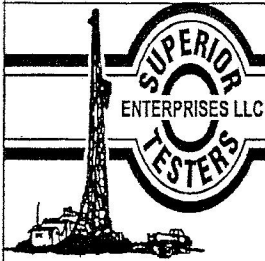
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1458.99	89.99	Initial Hydro-static
1	99.29	93.66	Open To Flow (1)
10	158.75	95.39	Shut-In(1)
55	1084.23	95.39	End Shut-In(1)
55	104.80	95.17	Open To Flow (2)
100	94.22	97.22	Shut-In(2)
196	1087.67	100.27	End Shut-In(2)
198	1413.65	100.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud	0.28
0.00	2930 gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17376

DST#: 2

ATTN: Derek Patterson

Test Start: 2013.01.16 @ 11:43:00

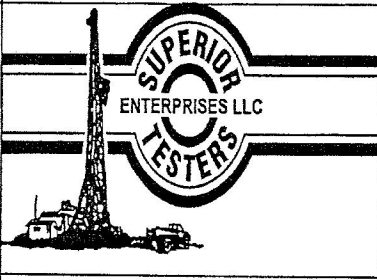
Tool Information

Drill Pipe:	Length: 2950.00 ft	Diameter: 3.80 inches	Volume: 41.38 bbl	Tool Weight: 1000.00 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 41.38 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2968.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 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			2945.00	
Hydrolic Tool	5.00			2950.00	
Jars	6.00			2956.00	
Safety Joint	2.00			2958.00	
Packer	5.00			2963.00	28.00 Bottom Of Top Packer
Packer	5.00			2968.00	
Anchor	11.00			2979.00	
Recorder	1.00	6731	Inside	2980.00	
Recorder	1.00	8159	Outside	2981.00	
Bullnose	3.00			2984.00	16.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17376

DST#: 2

ATTN: Derek Patterson

Test Start: 2013.01.16 @ 11:43:00

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: 5.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud	0.281
0.00	2930 gas in pipe	0.000

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

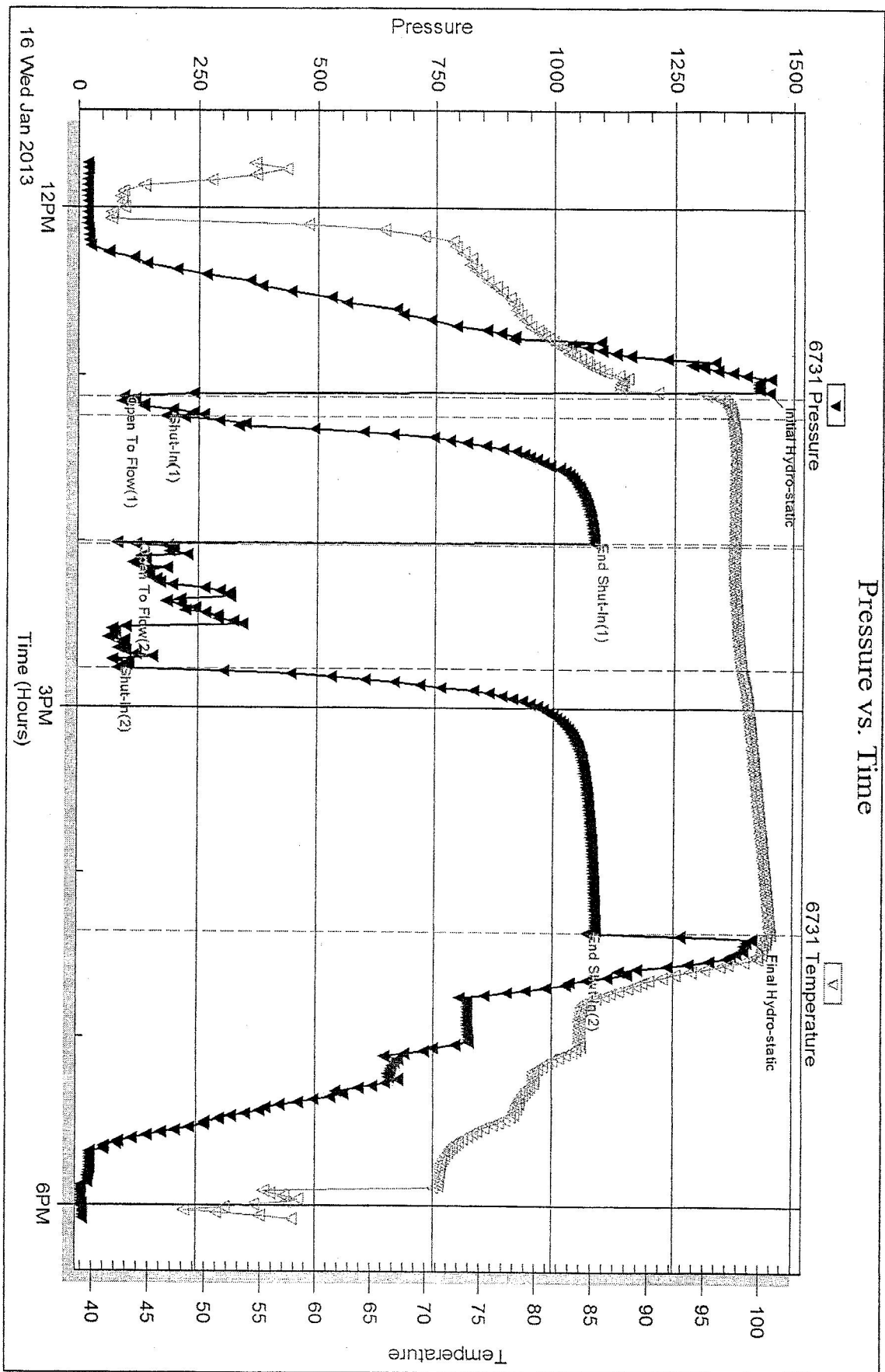
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

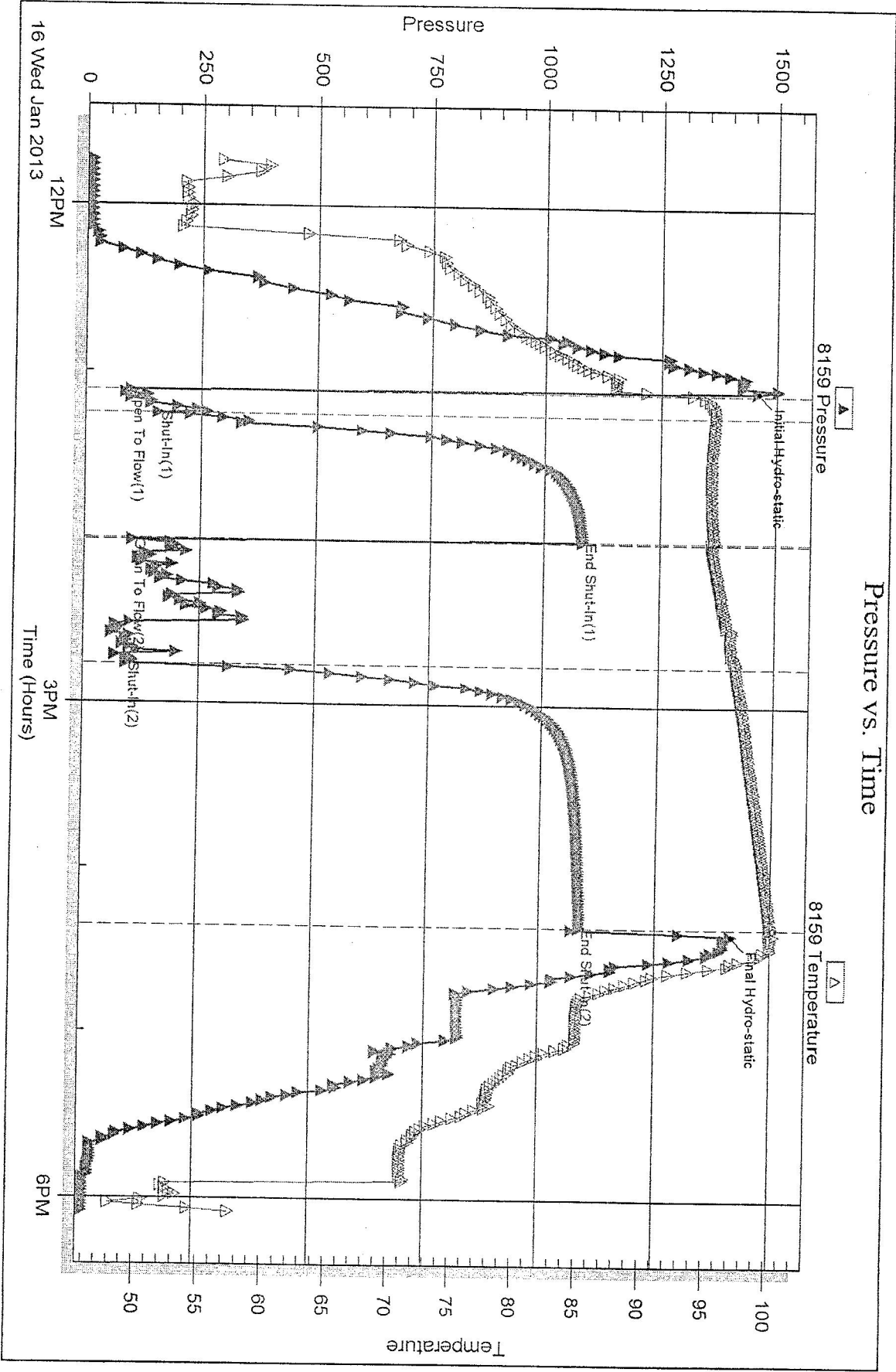


Serial #: 8159

Bird Dog Oil L.L.C

Poreer-Masden#2-14

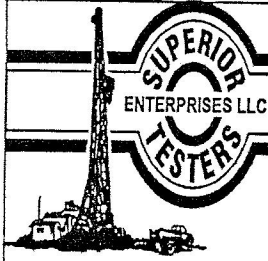
DST Test Number: 2



Superior Testers Enterprises LLC

Ref. No: 17376

Printed: 2013.01.21 @ 16:20:06



DRILL STEM TEST REPORT

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

ATTN: Derek Patterson

Job Ticket: 17377

DST#: 3

Test Start: 2013.01.17 @ 05:40:00

GENERAL INFORMATION:

Formation: **Lansing G zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:59:00
 Time Test Ended: 11:39:30

Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend -45

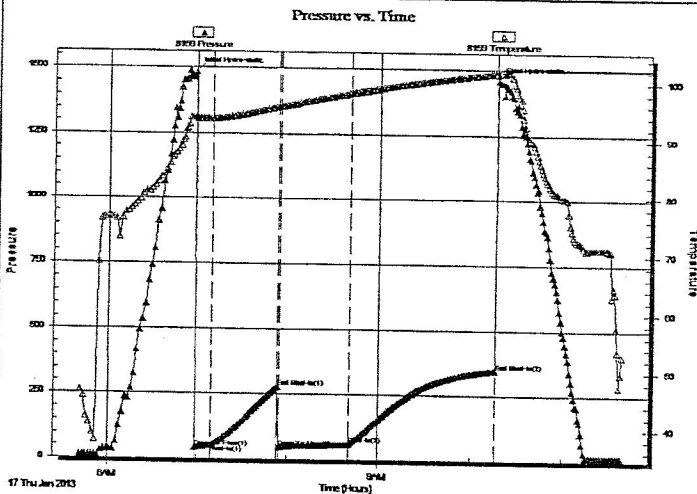
Interval: 3040.00 ft (KB) To 3066.00 ft (KB) (TVD)
 Total Depth: 3066.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1757.00 ft (KB)
 1749.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 347.38 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.17 End Date: 2013.01.17 Last Calib.: 2013.01.17
 Start Time: 05:41:00 End Time: 11:39:30 Time On Btm: 2013.01.17 @ 06:58:00
 Time Off Btm: 2013.01.17 @ 10:16:30

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 3 inches into bucket in 10 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 1 minute
 2nd Shut-in 90 Minutes-Very weak surface blow



PRESSURE SUMMARY

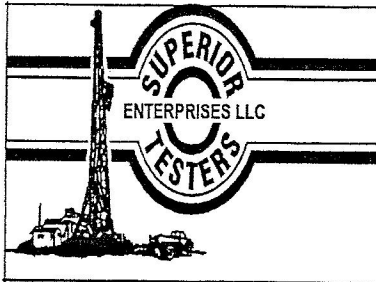
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1486.67	93.95	Initial Hydro-static
1	41.34	93.66	Open To Flow (1)
12	49.21	93.61	Shut-In(1)
56	276.98	95.75	End Shut-In(1)
57	44.41	95.75	Open To Flow (2)
103	58.96	98.19	Shut-In(2)
198	347.38	101.73	End Shut-In(2)
199	1458.68	101.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	mud spot oil on top	0.63
0.00	480 feet gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Bird Dog Oil L.L.C
 1801 Broadway Ste #450 Denver CO 80202
 ATTN: Derek Patterson

14-19s-10w Rice
 Pioneer-Masden#2-14
 Job Ticket: 17377 DST#: 3
 Test Start: 2013.01.17 @ 05:40:00

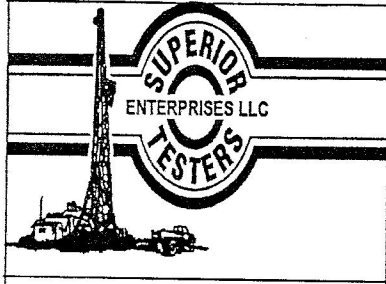
Tool Information

Drill Pipe:	Length: 3043.00 ft	Diameter: 3.80 inches	Volume: 42.69 bbl	Tool Weight: 1000.00 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 42.69 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3040.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 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			3017.00	
Hydrolic Tool	5.00			3022.00	
Jars	6.00			3028.00	
Safety Joint	2.00			3030.00	
Packer	5.00			3035.00	28.00 Bottom Of Top Packer
Packer	5.00			3040.00	
Anchor	21.00			3061.00	
Recorder	1.00	6731	Inside	3062.00	
Recorder	1.00	8159	Outside	3063.00	
Bullnose	3.00			3066.00	26.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Bird Dog Oil L.L.C
 1801 Broadway Ste #450 Denver CO 80202
 ATTN: Derek Patterson

14-19s-10w Rice
 Pioneer-Masden#2-14
 Job Ticket: 17377 DST#: 3
 Test Start: 2013.01.17 @ 05:40:00

Mud and Cushion Information

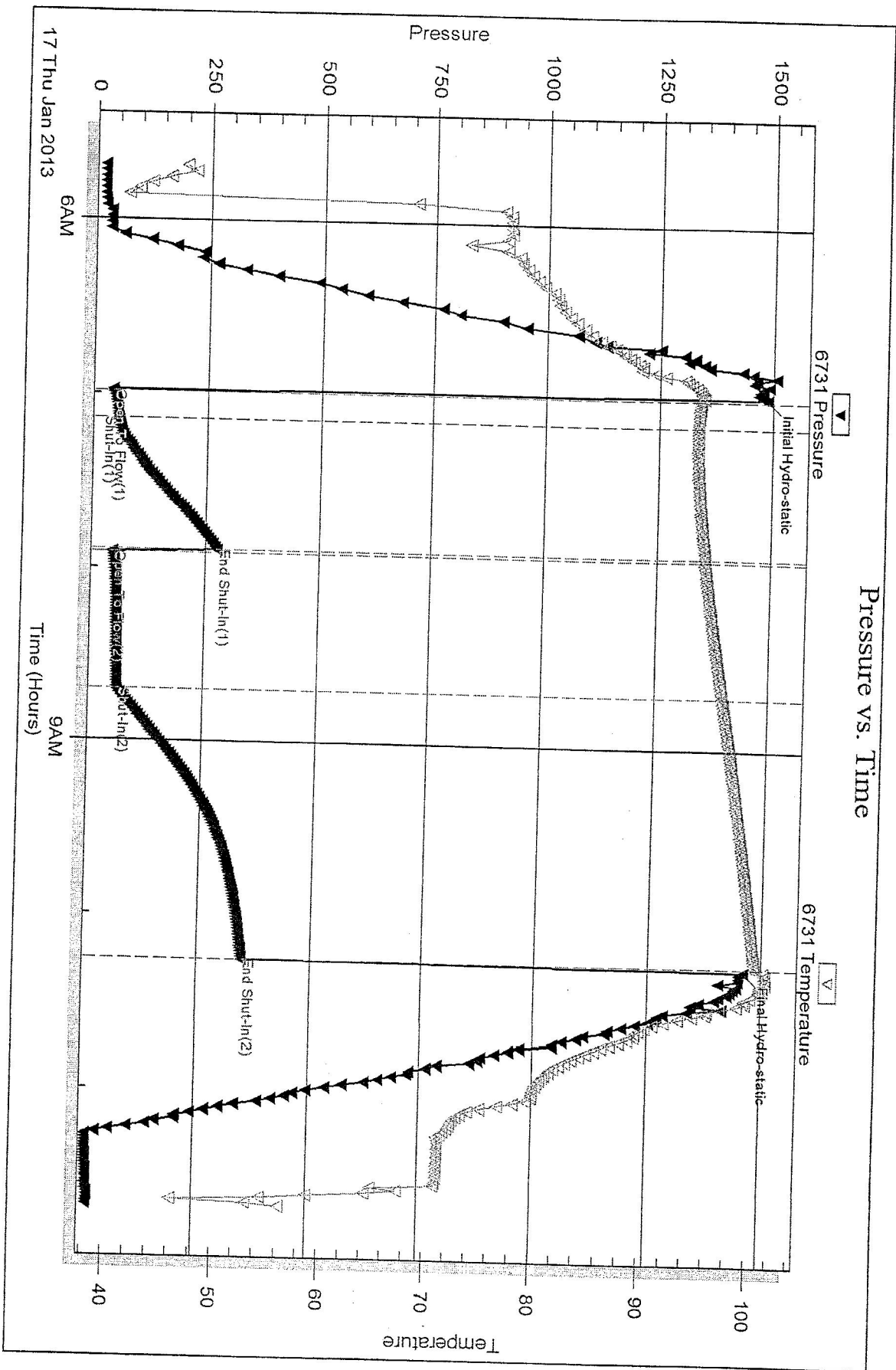
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	mud spot oil on top	0.631
0.00	480 feet gas in pipe	0.000

Total Length: 45.00 ft Total Volume: 0.631 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

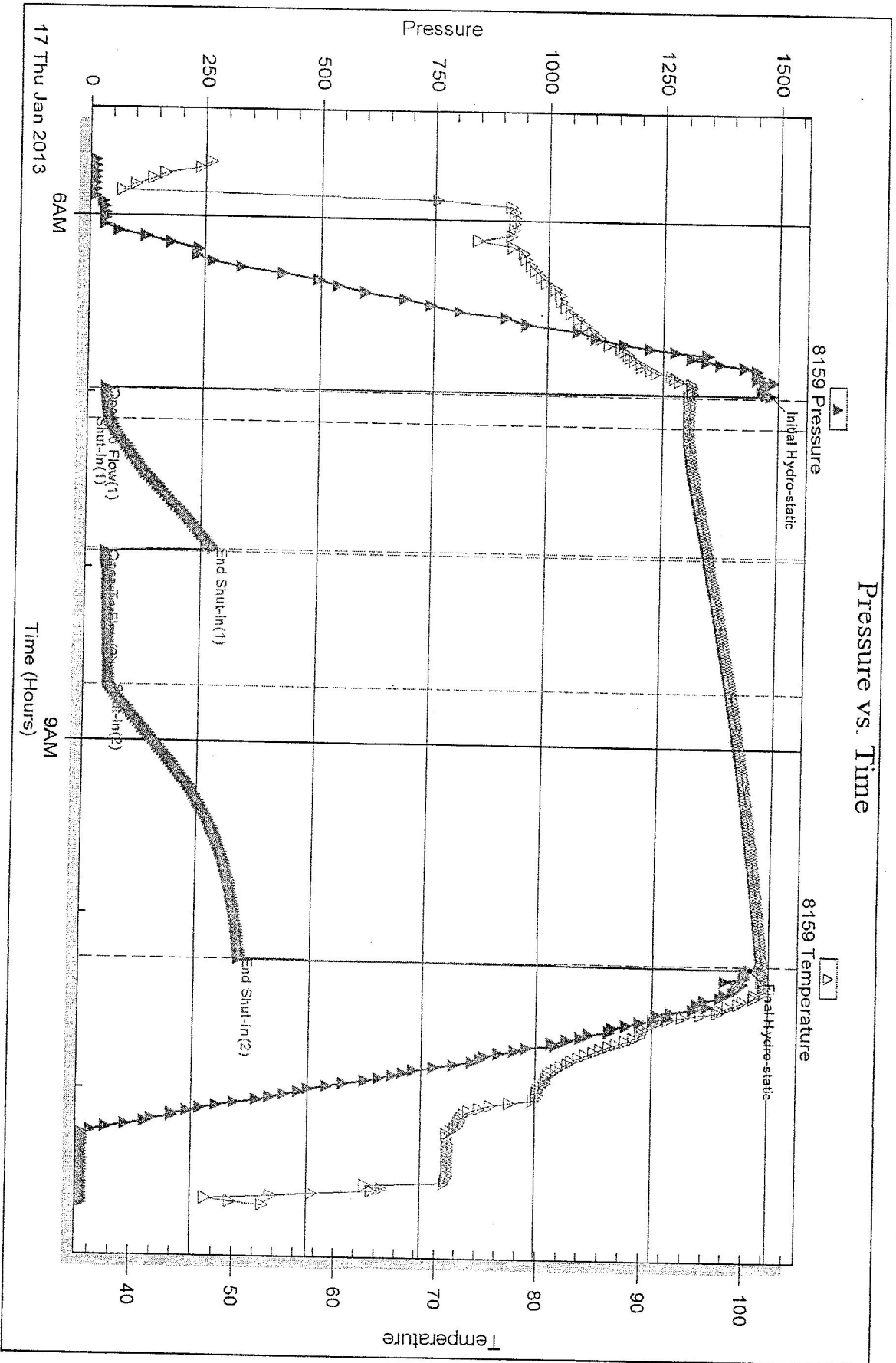


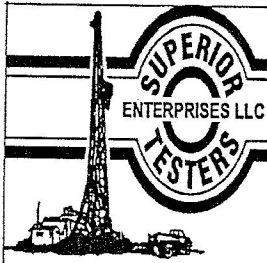
Serial #: 8159

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

DST Test Number: 3





DRILL STEM TEST REPORT

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

ATTN: Derek Patterson

Job Ticket: 17378

DST#: 4

Test Start: 2013.01.18 @ 12:44:00

GENERAL INFORMATION:

Formation: **Lansing K- L zones**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:17:30

Time Test Ended: 19:09:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend- 45

Interval: 3152.00 ft (KB) To 3219.00 ft (KB) (TVD)

Total Depth: 3219.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1757.00 ft (KB)

1749.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 66.10 psia @ ft (KB)

Start Date: 2013.01.18

End Date: 2013.01.18

Start Time: 12:45:00

End Time: 19:09:00

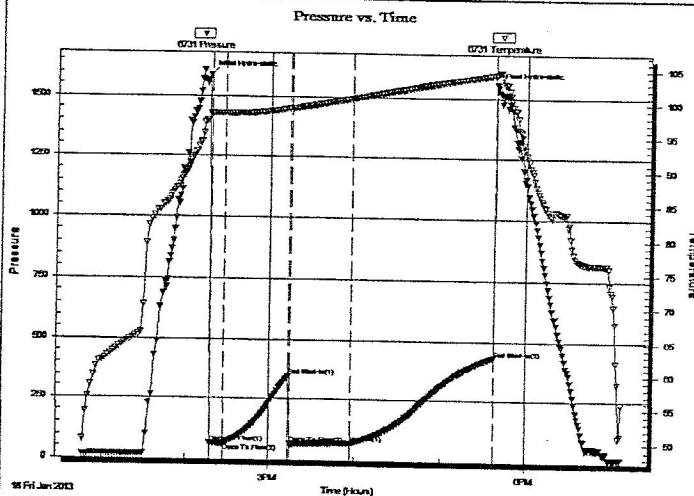
Capacity: 5000.00 psia

Last Calib.: 2013.01.18

Time On Btm: 2013.01.18 @ 14:16:30

Time Off Btm: 2013.01.18 @ 17:38:30

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 2 inches into bucket in 10 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 5 inches into bucket in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

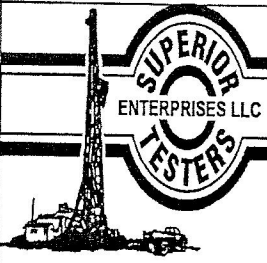
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1584.62	98.37	Initial Hydro-static
1	61.26	98.26	Open To Flow (1)
11	61.75	98.32	Open To Flow (2)
57	344.37	99.17	End Shut-In(1)
58	60.82	99.14	Open To Flow (3)
101	66.10	100.74	Shut-In(1)
201	429.73	104.32	End Shut-In(2)
202	1552.34	104.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	spot oil cut mud 3%oil 97%mud	0.21
0.00	105 feet gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

ATTN: Derek Patterson

Job Ticket: 17378

DST#: 4

Test Start: 2013.01.18 @ 12:44:00

GENERAL INFORMATION:

Formation: **Lansing K-L zones**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:17:30

Time Test Ended: 19:09:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend- 45

Interval: **3152.00 ft (KB) To 3219.00 ft (KB) (TVD)**

Total Depth: 3219.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1757.00 ft (KB)

1749.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 431.11 psia @ ft (KB)

Start Date: 2013.01.18 End Date: 2013.01.18

Start Time: 12:45:00 End Time: 19:09:00

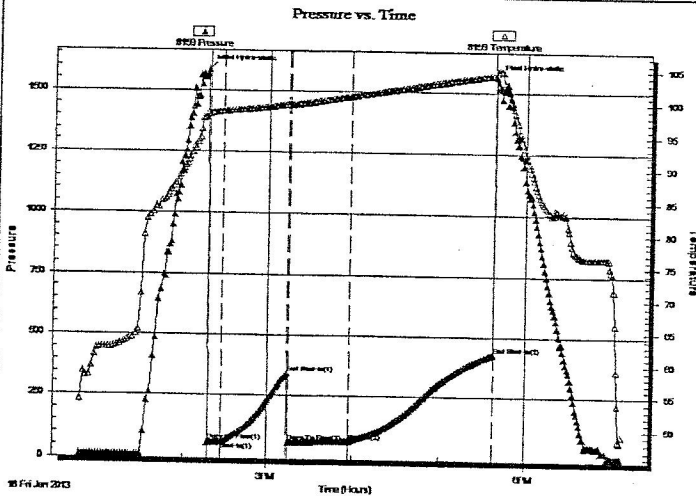
Capacity: psia

Last Calib.: 1899.12.30

Time On Btm: 2013.01.18 @ 14:16:30

Time Off Btm: 2013.01.18 @ 17:38:30

TEST COMMENT: 1st Opening 10 Minutes-Weak blow built 2 inches into bucket in 10 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 5 inches into bucket in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

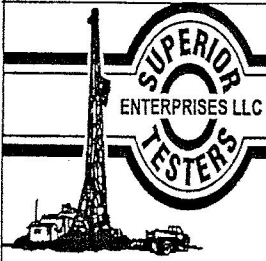
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1585.66	98.57	Initial Hydro-static
1	60.78	98.19	Open To Flow (1)
11	62.08	98.63	Shut-In(1)
57	345.57	99.74	End Shut-In(1)
58	61.06	99.69	Open To Flow (2)
101	67.04	101.02	Shut-In(2)
201	431.11	104.37	End Shut-In(2)
202	1559.57	104.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	spot oil cut mud 3%oil 97%mud	0.21
0.00	105 feet gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17378

DST#: 4

ATTN: Derek Patterson

Test Start: 2013.01.18 @ 12:44:00

Tool Information

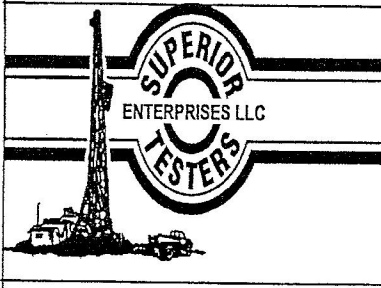
Drill Pipe:	Length: 3136.00 ft	Diameter: 3.80 inches	Volume: 43.99 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 43.99 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3152.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	95.00 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			3129.00	
Hydraulic Tool	5.00			3134.00	
Jars	6.00			3140.00	
Safety Joint	2.00			3142.00	
Packer	5.00			3147.00	28.00 Bottom Of Top Packer
Packer	5.00			3152.00	
Anchor	0.00			3152.00	
Change Over Sub	0.75			3152.75	
Drill Pipe	31.50			3184.25	
Change Over Sub	0.75			3185.00	
Anchor	29.00			3214.00	
Recorder	1.00	6731	Inside	3215.00	
Recorder	1.00	8159	Outside	3216.00	
Bullnose	3.00			3219.00	67.00 Bottom Packers & Anchor

Total Tool Length: 95.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17378

DST#: 4

ATTN: Derek Patterson

Test Start: 2013.01.18 @ 12:44:00

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: 7.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 9800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	spot ouil cut mud 3%oil 97%mud	0.210
0.00	105 feet gas in pipe	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:

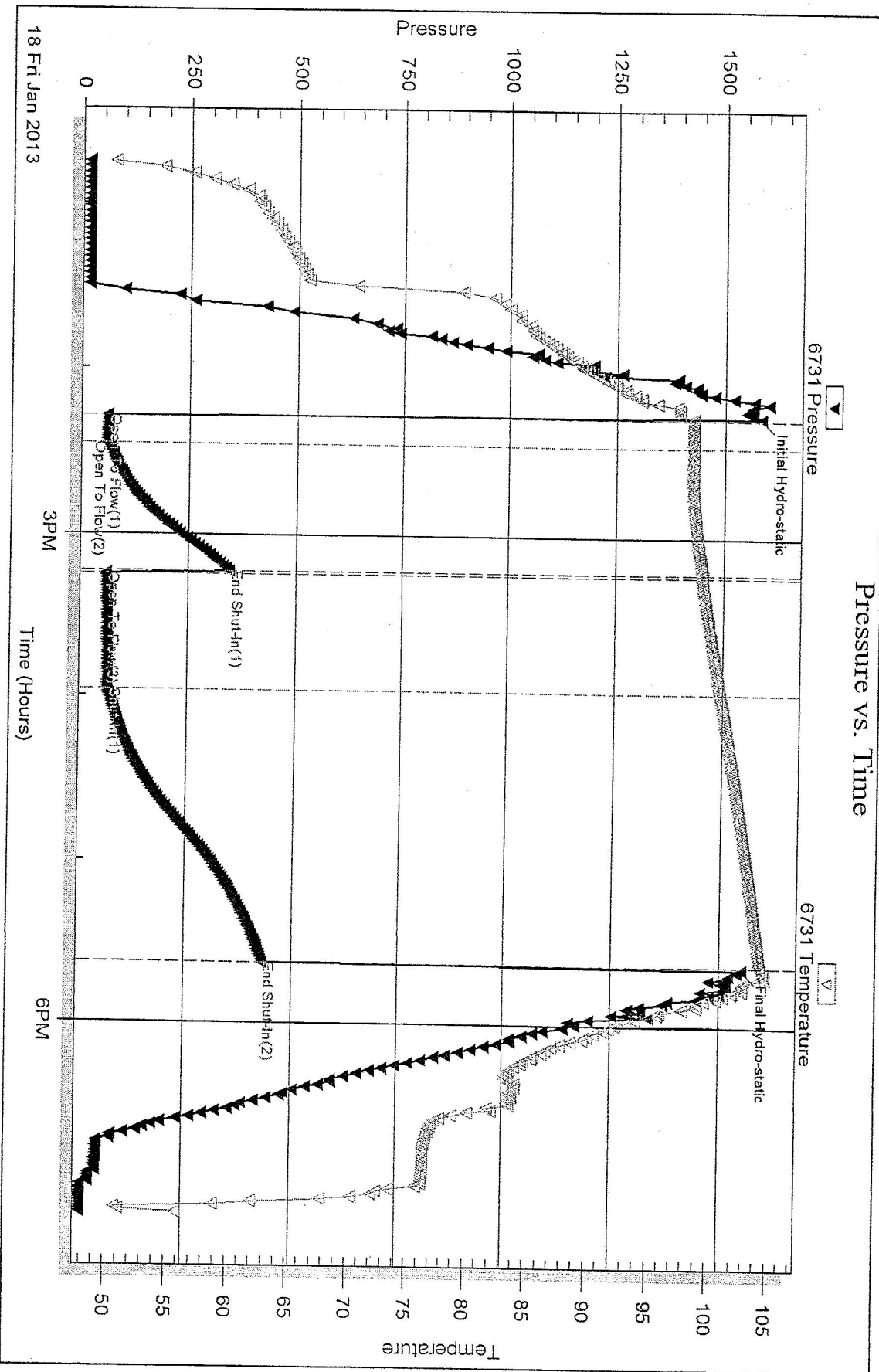
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Bird Dog Oil L.L.C

Pioneer-Masden#2-14

DST Test Number: 4

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17378

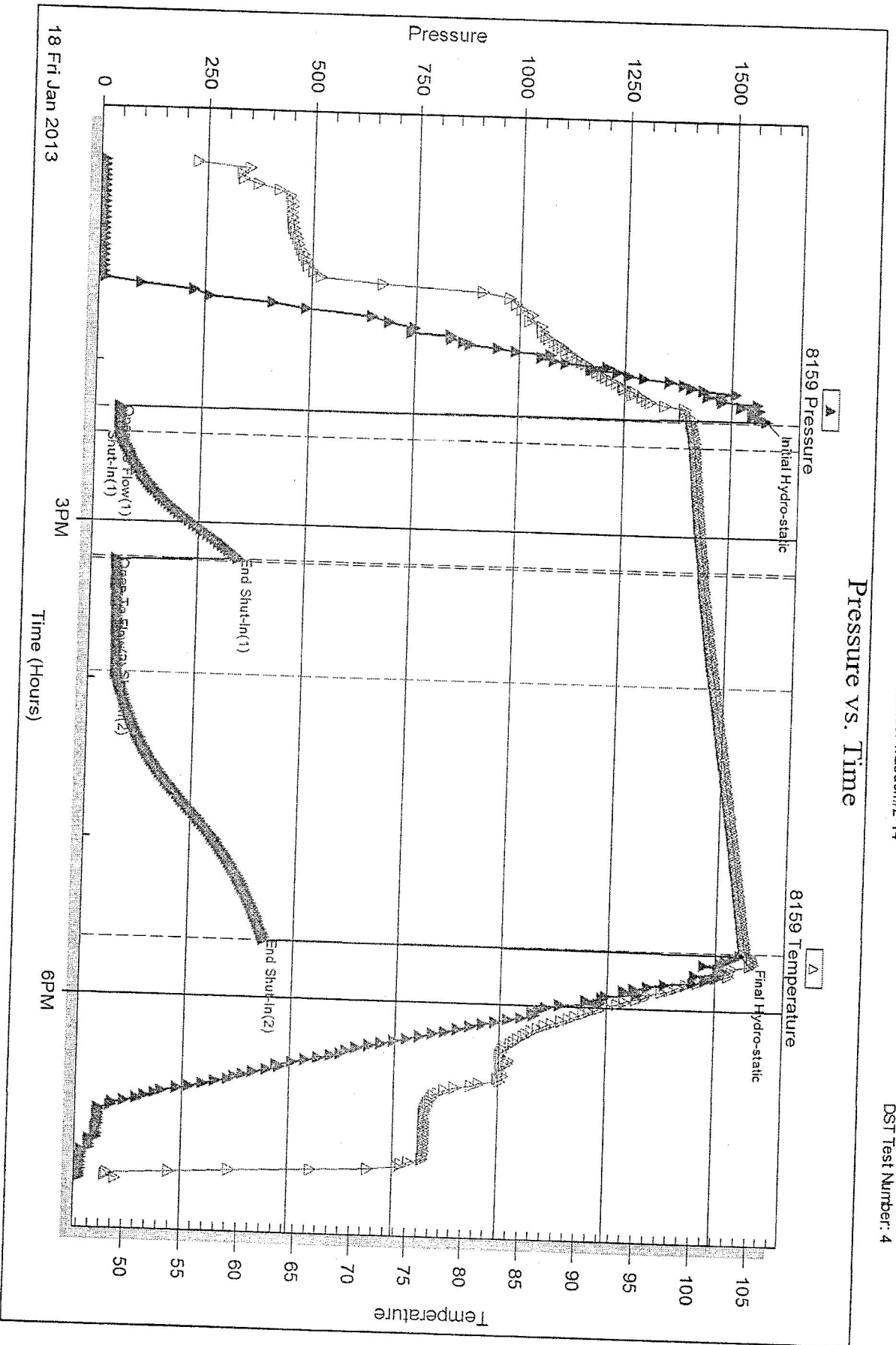
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Serial #: 8159

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

DST Test Number: 4



Superior Testers Enterprises LLC

Ref. No: 17378

Printed: 2013.01.21 @ 16:20:34