



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1158938

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

| | |
|---|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|---|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|--|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| _____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone | | | | |
| | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|-----------|--|-----------------------------------|
| TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ | | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Date of First, Resumed Production, SWD or ENHR. _____ | | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. Gas-Oil Ratio Gravity |

| | | |
|---|--|--|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|---|--|--|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Bird Dog Oil, LLC |
| Well Name | Pioneer-Masden 2-14 |
| Doc ID | 1158938 |

All Electric Logs Run

| |
|-------|
| |
| DIL |
| MR |
| BHS |
| Por |
| Sonic |

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6874

| | | | | | | | | | | | | | | | |
|------|---------|------|----|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|--------|
| Date | 6-25-13 | Sec. | 27 | Twp. | 16 | Range | 12 | County | Barton | State | KS | On Location | | Finish | 1:30AM |
|------|---------|------|----|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|--------|

Location *Beaver 1E, 1/2S, E2*

Lease *Beaver South Kory* Well No. *1-27* Owner

Contractor *South Wind 6* To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish
cement and helper to assist owner or contractor to do work as listed.

Type Job *Surface* Charge To *Bird Dog Oil*

Hole Size *12 1/4* T.D. *381* Street

Csg. *8 5/8* Depth *381* City State

Tbg. Size Depth The above was done to satisfaction and supervision of owner agent or contractor.

Tool Depth Cement Amount Ordered *180ccm 3%cc 2%gel*

Cement Left in Csg. *20* Shoe Joint *20*

Meas Line Displace *23661* Common *180*

EQUIPMENT Poz. Mix *3*

Pumptrk *5* No. Cementer Helper *Brett* Gel. *3*

Bulktrk *8* No. Driver *Billy* Calcium *6*

Bulktrk *Pu* No. Driver *Travis*

JOB SERVICES & REMARKS Hulls

Remarks: *cemend did circulate* Salt

Rat Hole Flowseal

Mouse Hole Kol-Seal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

Handling *189*

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge *Surface*

Mileage *29*

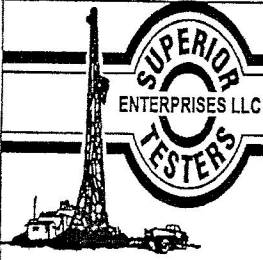
Tax

Discount

Total Charge

X Signature *[Signature]*

RECEIVED
JUL - 1 2013



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:

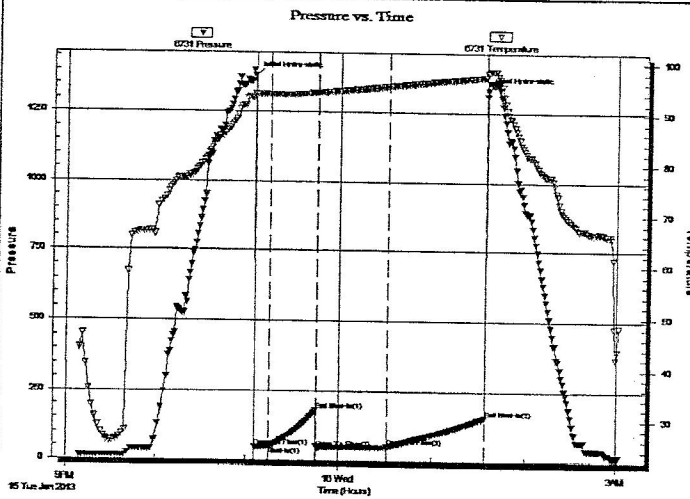
Formation: **Douglas Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:05:30
 Time Test Ended: 03:02:00
 Interval: 2836.00 ft (KB) To 2873.00 ft (KB) (TVD)
 Total Depth: 2873.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

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

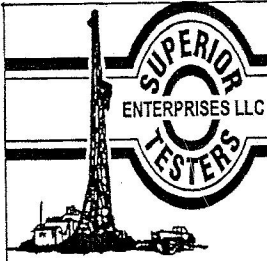
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1379.21 | 94.04 | Initial Hydro-static |
| 1 | 46.30 | 93.82 | Open To Flow (1) |
| 10 | 49.31 | 93.85 | Shut-in(1) |
| 41 | 178.61 | 94.16 | End Shut-in(1) |
| 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

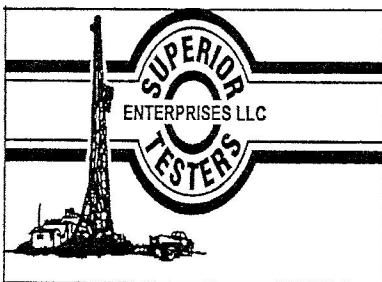
Test Start: 2013.01.15 @ 21:08:00

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

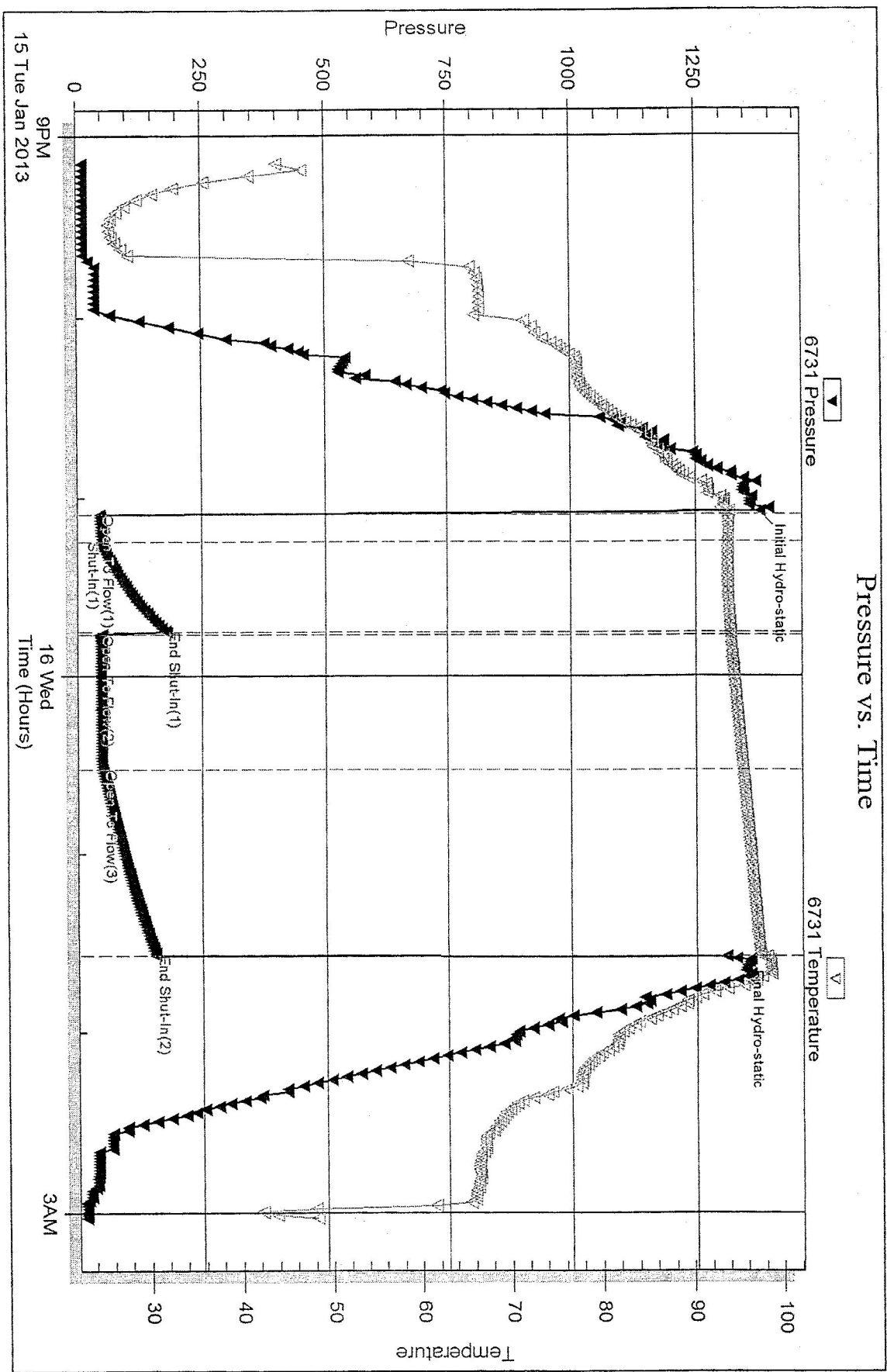
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

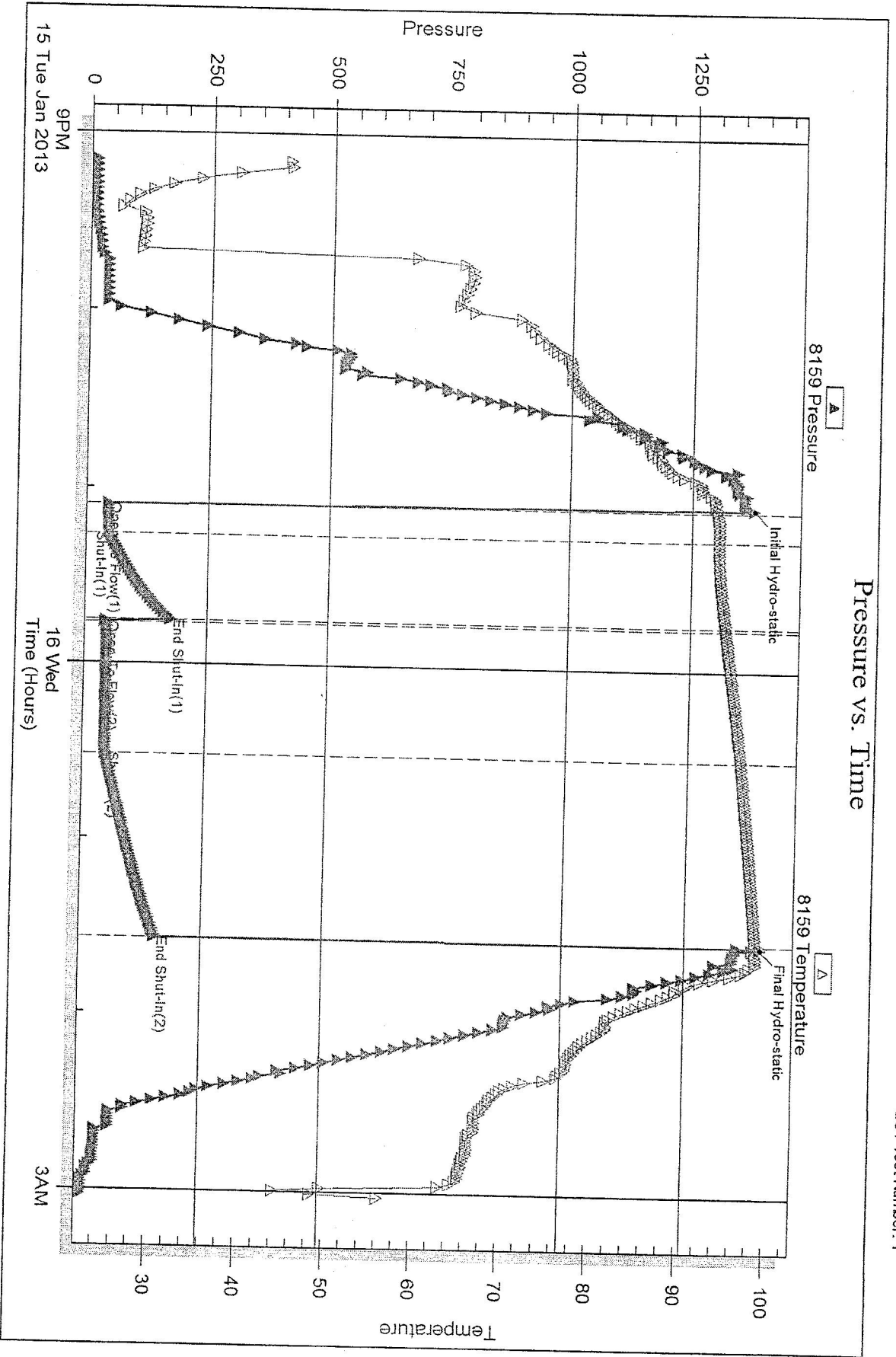


Serial #: 8159

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

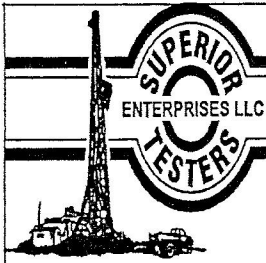
DST Test Number: 1



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

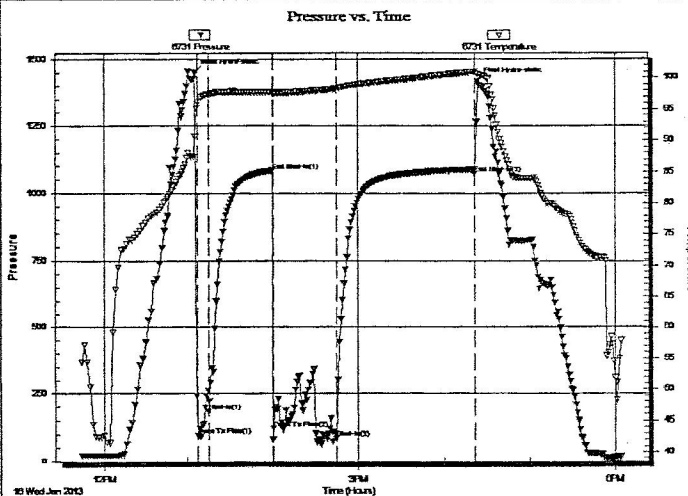
GENERAL INFORMATION:

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

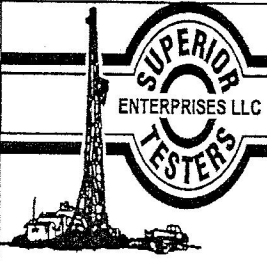
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1447.92 | 90.70 | Initial Hydro-static |
| 2 | 95.84 | 96.16 | Open To Flow (1) |
| 10 | 183.28 | 97.44 | Shut-In(1) |
| 55 | 1084.08 | 97.75 | End Shut-In(1) |
| 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

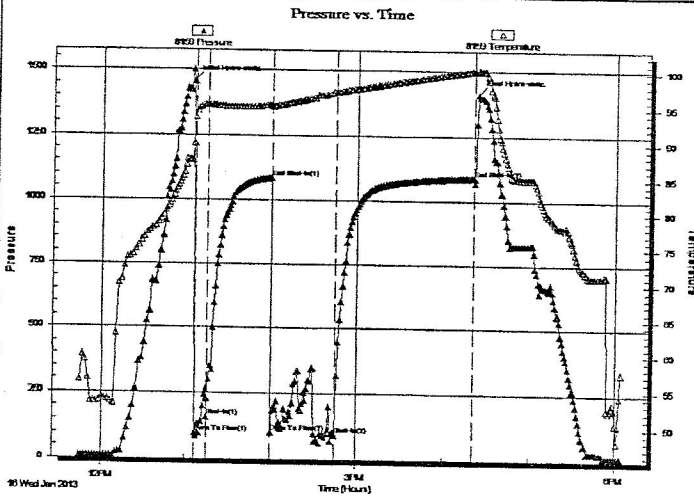
Capacity: 5000.00 psia

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

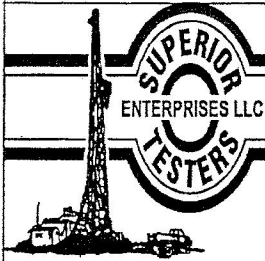
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1458.99 | 89.99 | Initial Hydro-static |
| 1 | 99.29 | 93.66 | Open To Flow (1) |
| 10 | 158.75 | 95.39 | Shut-In(1) |
| 55 | 1084.23 | 95.39 | End Shut-In(1) |
| 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

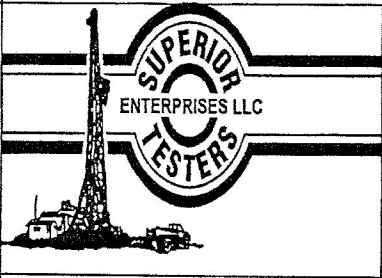
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| 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

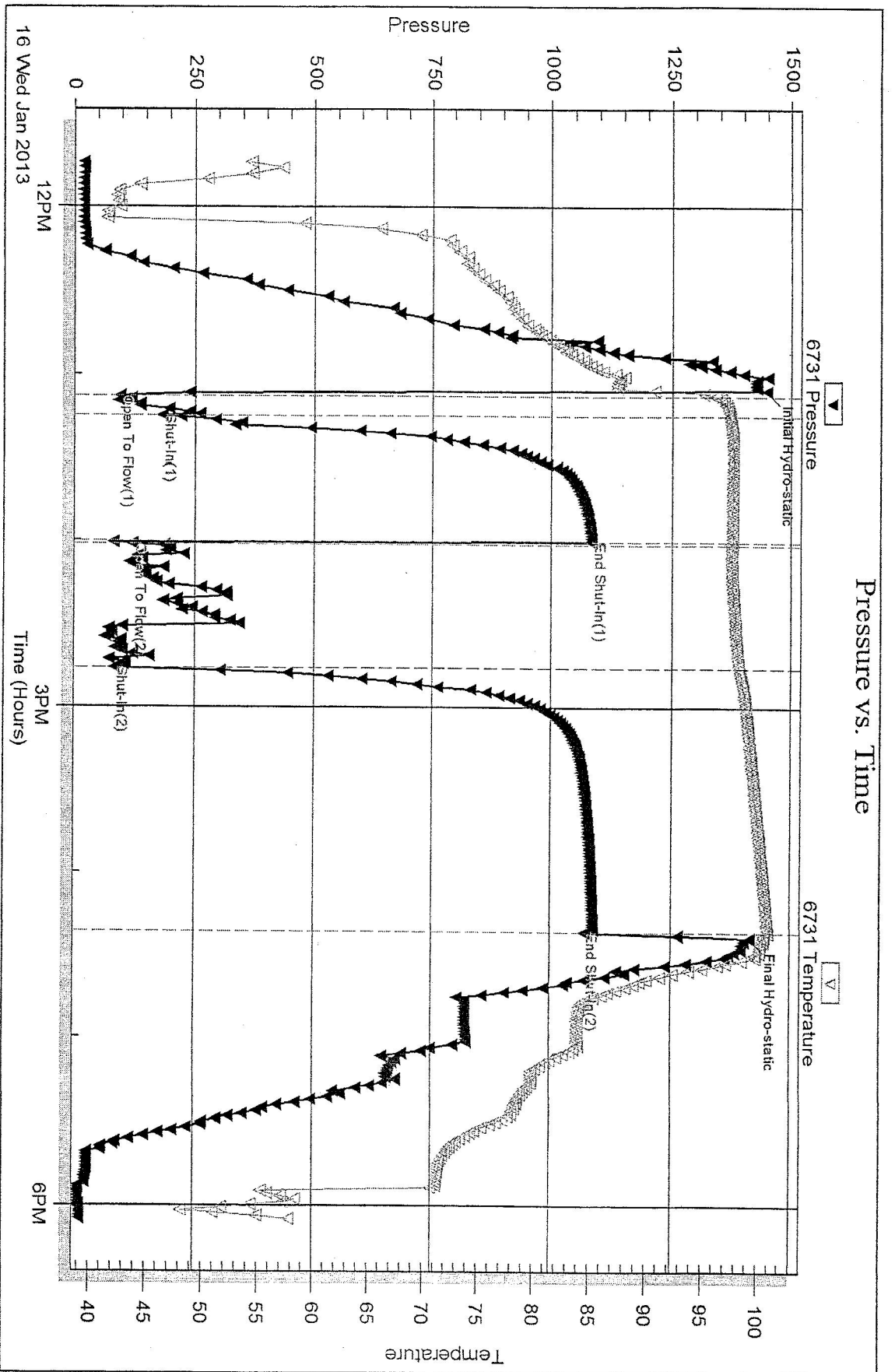
| Length ft | Description | Volume bbl |
|--------------|------------------|---------------|
| 20.00 | mud | 0.281 |
| 0.00 | 2930 gas in pipe | 0.000 |

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:

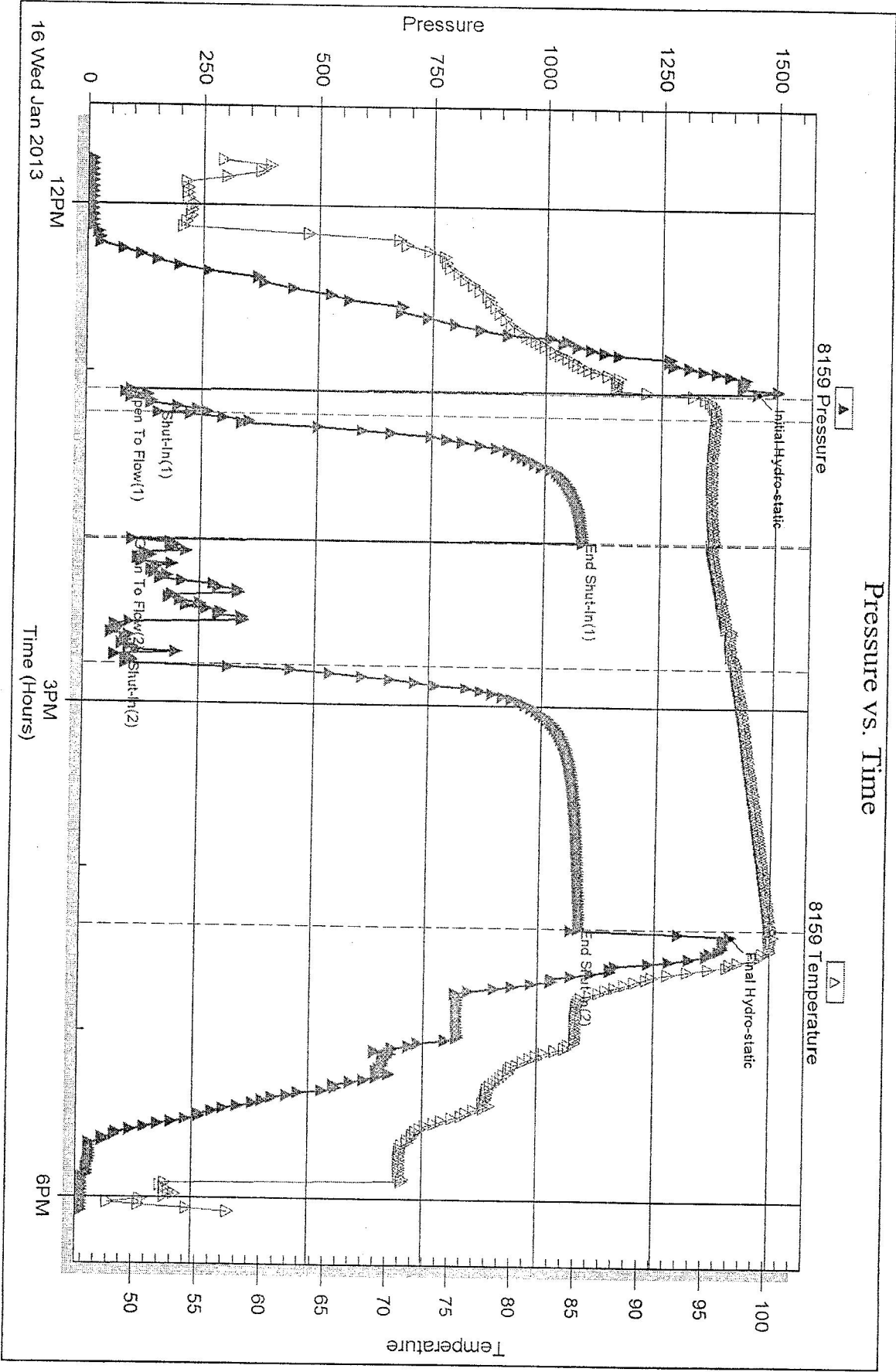


Serial #: 8159

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

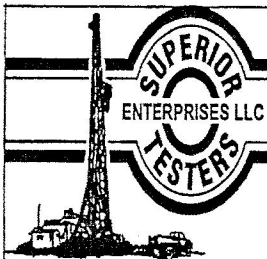
DST Test Number: 2



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 GRVCF: 8.00 ft

Serial #: 6731

Press@RunDepth: 62.99 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.01.17

End Date: 2013.01.17

Last Calib.: 2013.01.17

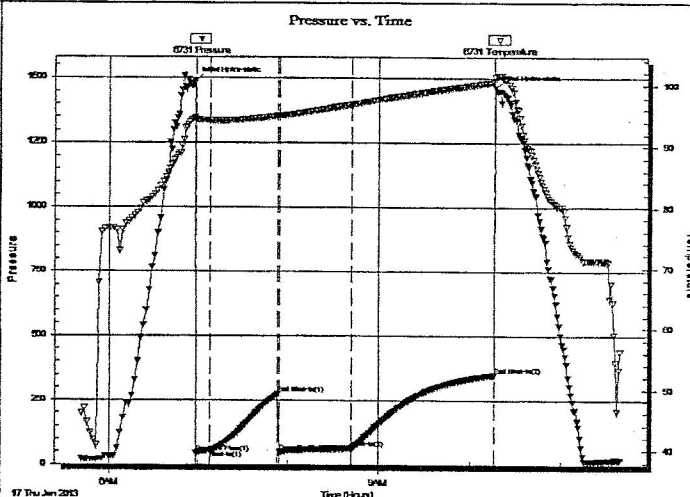
Start Time: 05:41:00

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

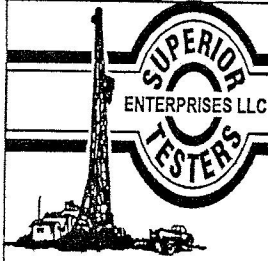
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1486.93 | 94.77 | Initial Hydro-static |
| 1 | 43.58 | 94.43 | Open To Flow (1) |
| 11 | 55.99 | 94.23 | Shut-In(1) |
| 56 | 275.00 | 95.04 | End Shut-In(1) |
| 57 | 47.66 | 95.03 | Open To Flow (2) |
| 104 | 62.99 | 96.90 | Shut-In(2) |
| 198 | 347.93 | 100.51 | End Shut-In(2) |
| 199 | 1459.27 | 101.32 | 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

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

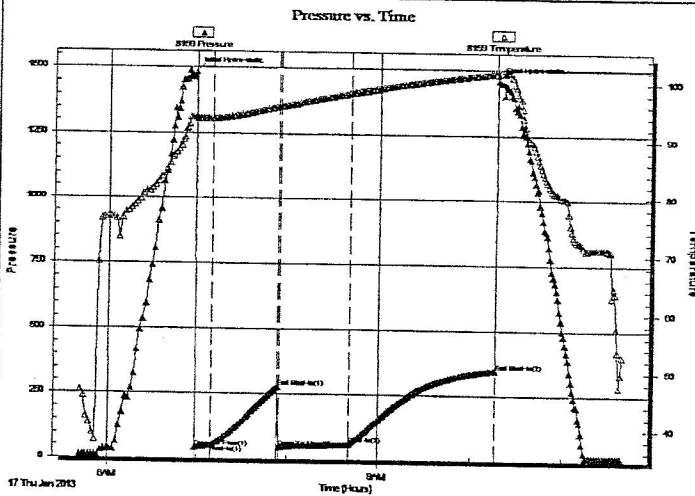
Interval: 3040.00 ft (KB) To 3066.00 ft (KB) (TVD)
 Total Depth: 3066.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

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

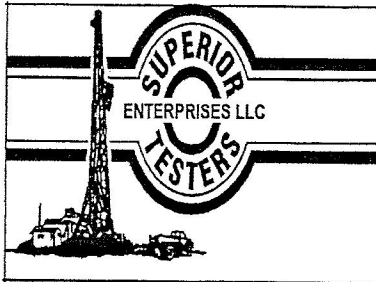
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1486.67 | 93.95 | Initial Hydro-static |
| 1 | 41.34 | 93.66 | Open To Flow (1) |
| 12 | 49.21 | 93.61 | Shut-In(1) |
| 56 | 276.98 | 95.75 | End Shut-In(1) |
| 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

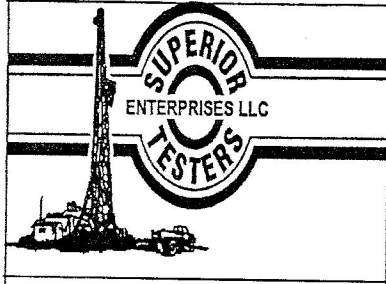
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| 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 |
| | | | <u>Total Volume: 42.69 bbl</u> | 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 |

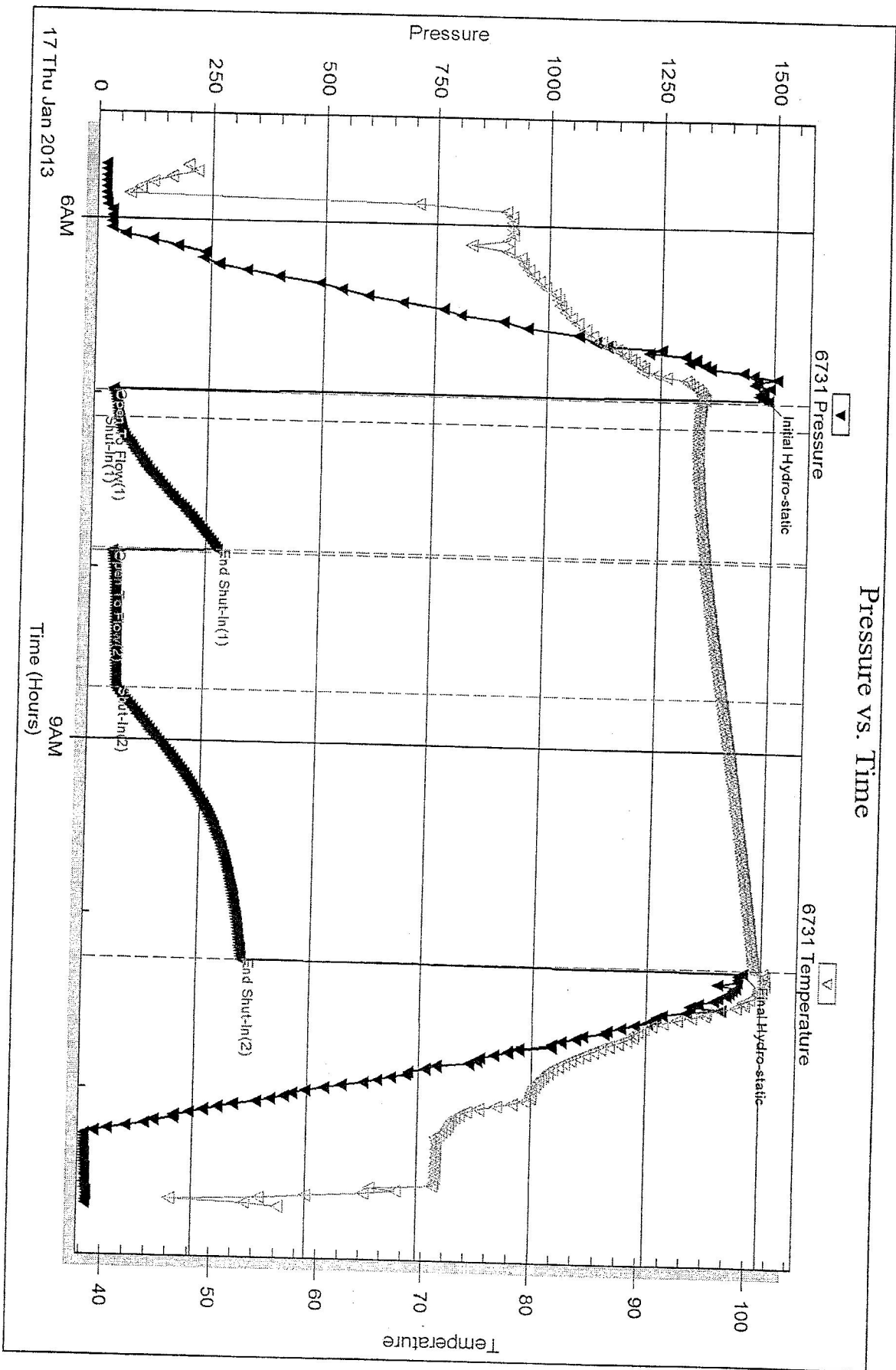
Total Length: 45.00 ft Total Volume: 0.631 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6731

Bird Dog Oil LLC

Pioneer-Masden#2-14

DST Test Number: 3



Superior Testers Enterprises LLC

Ref. No: 17377

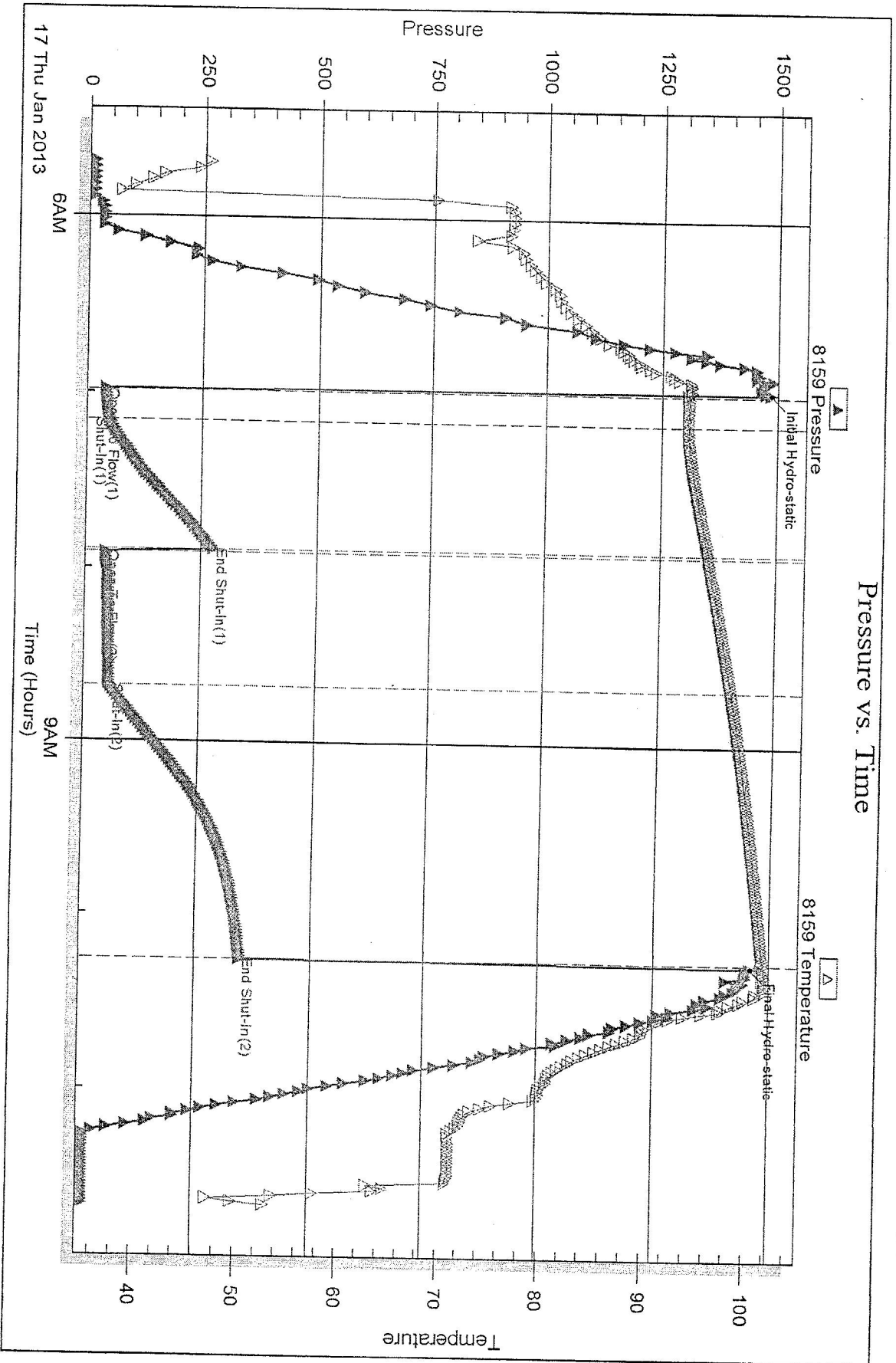
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Serial #: 8159

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

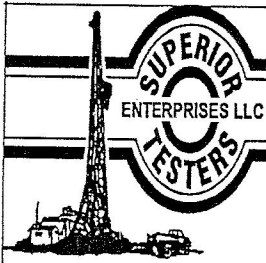
DST Test Number: 3



Superior Testers Enterprises LLC

Ref. No: 17377

Printed: 2013.01.21 @ 16:20:19



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

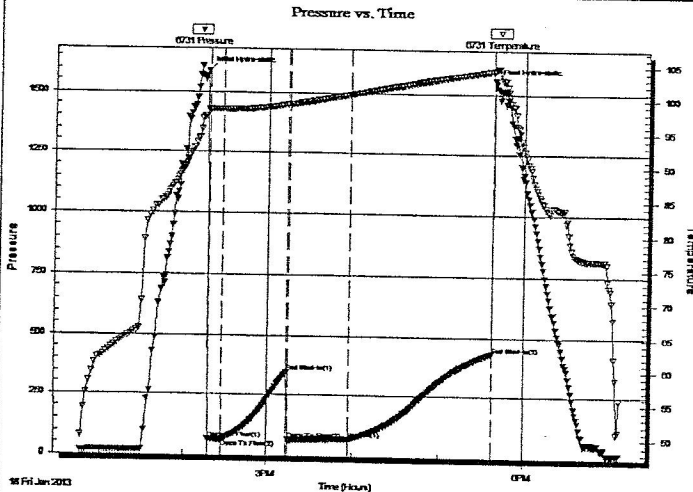
Capacity: 5000.00 psia

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

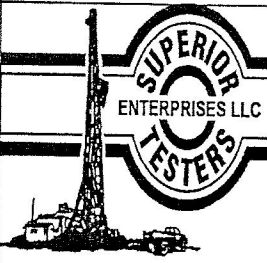
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1584.62 | 98.37 | Initial Hydro-static |
| 1 | 61.26 | 98.26 | Open To Flow (1) |
| 11 | 61.75 | 98.32 | Open To Flow (2) |
| 57 | 344.37 | 99.17 | End Shut-In(1) |
| 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

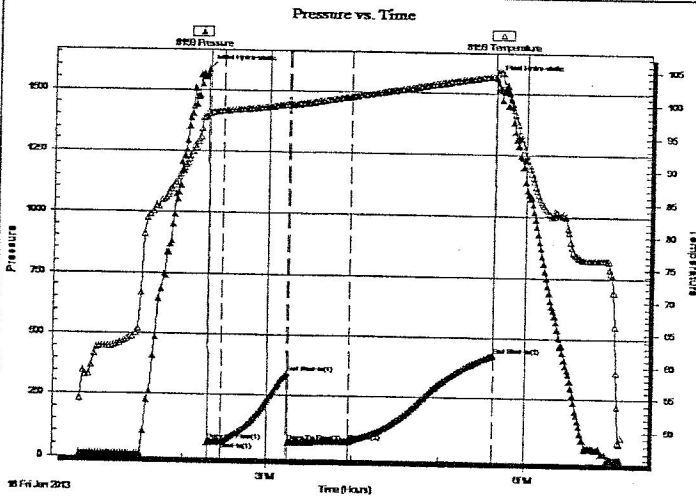
Capacity: psia

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

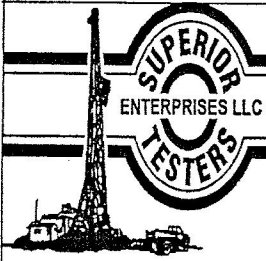
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1585.66 | 98.57 | Initial Hydro-static |
| 1 | 60.78 | 98.19 | Open To Flow (1) |
| 11 | 62.08 | 98.63 | Shut-In(1) |
| 57 | 345.57 | 99.74 | End Shut-In(1) |
| 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

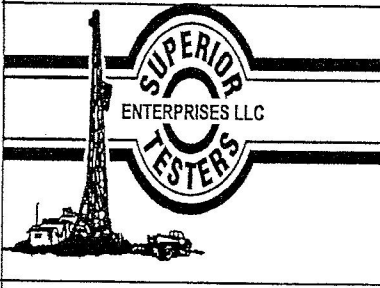
| | | | | |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe: | Length: 3136.00 ft | Diameter: 3.80 inches | Volume: 43.99 bbl | Tool Weight: 1000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 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:

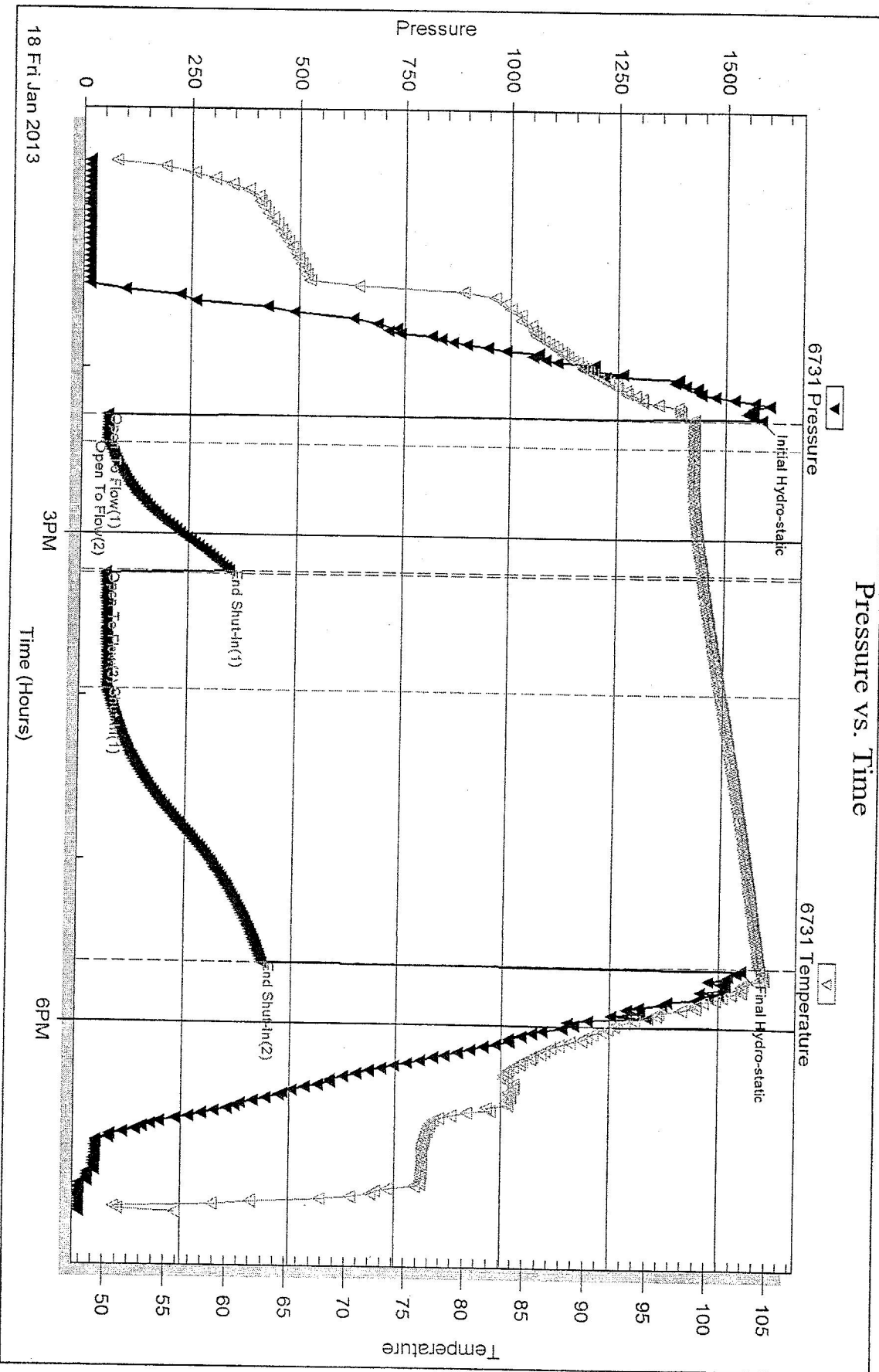
Serial #: 6731

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

DST Test Number: 4

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17378

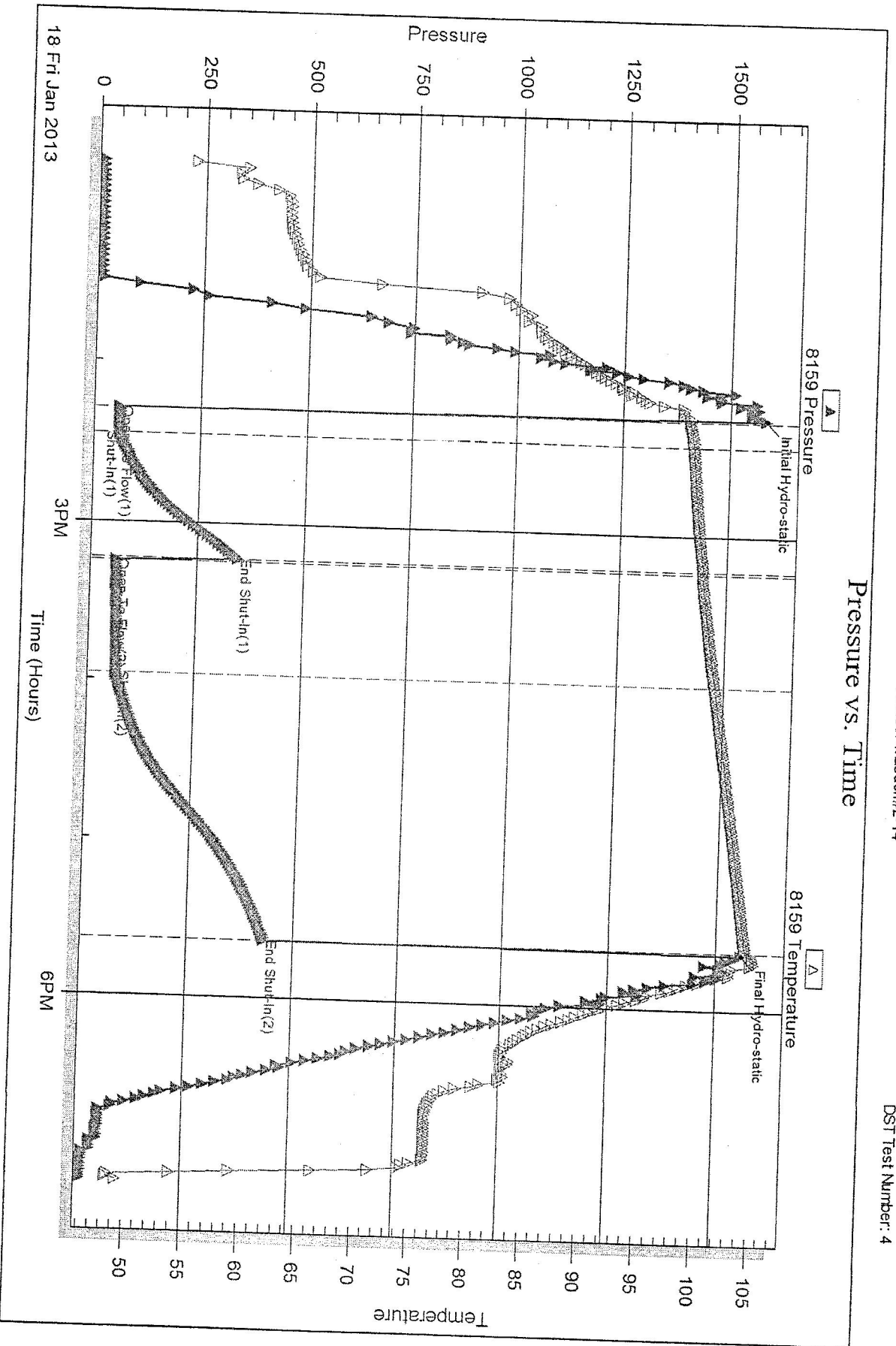
Printed: 2013.01.21 @ 16:20:33

Serial #: 8159

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

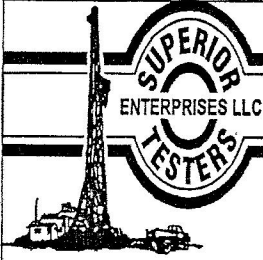
DST Test Number: 4



Superior Testers Enterprises LLC

Ref. No: 17378

Printed: 2013.01.21 @ 16:20:34



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: 17379

DST#: 5

Test Start: 2013.01.19 @ 03:39:00

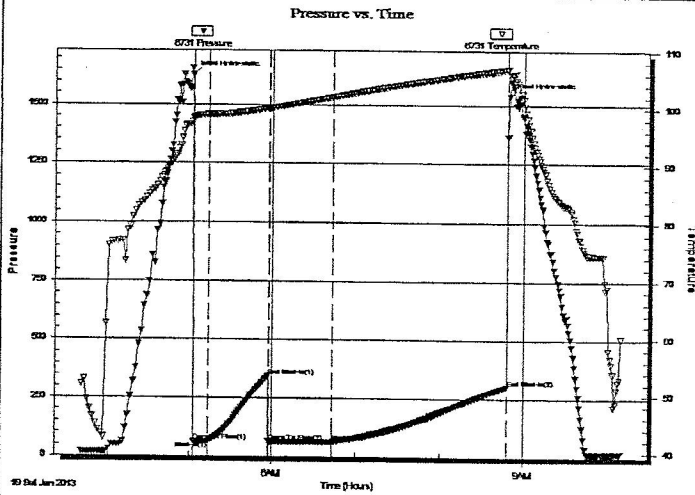
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:03:00
 Time Test Ended: 10:11:00
 Interval: **3214.00 ft (KB) To 3280.00 ft (KB) (TVD)**
 Total Depth: 3280.00 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: 61.54 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.19 End Date: 2013.01.19 Last Calib.: 2013.01.19
 Start Time: 03:40:00 End Time: 10:11:00 Time On Btm: 2013.01.19 @ 05:02:00
 Time Off Btm: 2013.01.19 @ 08:49:30

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 1 1/2 inches into bucket in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

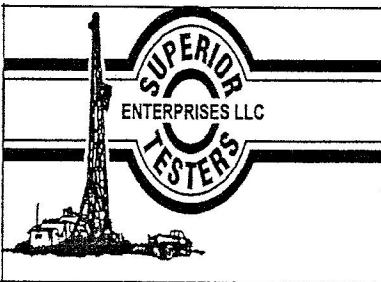
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1623.70 | 98.25 | Initial Hydro-static |
| 1 | 61.20 | 98.40 | Open To Flow (1) |
| 12 | 60.83 | 98.85 | Shut-In(1) |
| 55 | 344.20 | 99.99 | End Shut-In(1) |
| 56 | 62.02 | 99.98 | Open To Flow (2) |
| 102 | 61.54 | 102.07 | Shut-In(2) |
| 226 | 301.29 | 106.87 | End Shut-In(2) |
| 228 | 1540.00 | 105.92 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 3.00 | muddy oil 40%oil 60%mud | 0.04 |
| | | |
| | | |
| | | |
| | | |

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: 17379

DST#: 5

ATTN: Derek Patterson

Test Start: 2013.01.19 @ 03:39:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:03:00

Time Test Ended: 10:11:00

Interval: 3214.00 ft (KB) To 3280.00 ft (KB) (TVD)

Total Depth: 3280.00 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 GRVCF: 8.00 ft

Serial #: 8159

Press@RunDepth: 302.82 psia @ ft (KB)

Start Date: 2013.01.19

End Date: 2013.01.19

Start Time: 03:40:00

End Time: 10:10:30

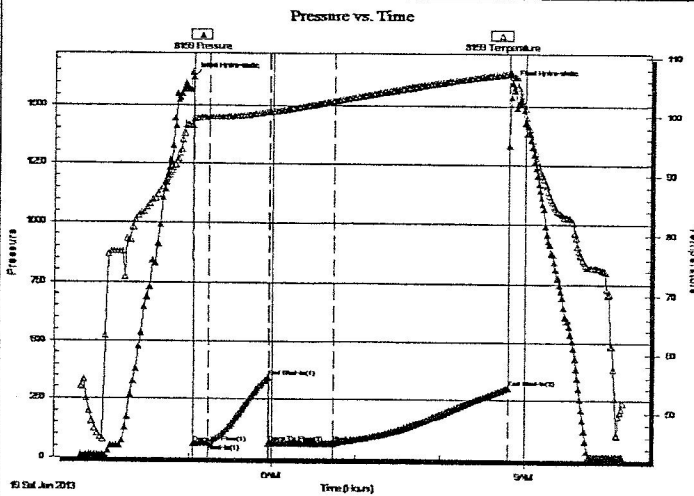
Capacity: 5000.00 psia

Last Calib.: 2013.01.19

Time On Btm: 2013.01.19 @ 05:02:00

Time Off Btm: 2013.01.19 @ 08:50:00

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 1 1/2 inches into bucket in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

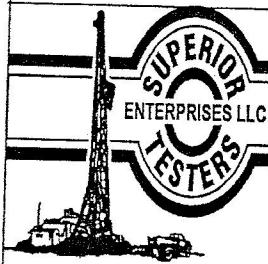
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1624.85 | 99.58 | Initial Hydro-static |
| 1 | 60.53 | 99.36 | Open To Flow (1) |
| 12 | 61.49 | 99.66 | Shut-In(1) |
| 55 | 346.11 | 100.66 | End Shut-In(1) |
| 56 | 62.36 | 100.61 | Open To Flow (2) |
| 102 | 62.93 | 102.59 | Shut-In(2) |
| 226 | 302.82 | 107.34 | End Shut-In(2) |
| 228 | 1599.96 | 106.97 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 3.00 | muddy oil 40% oil 60% mud | 0.04 |
| | | |
| | | |
| | | |
| | | |

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: 17379

DST#: 5

ATTN: Derek Patterson

Test Start: 2013.01.19 @ 03:39:00

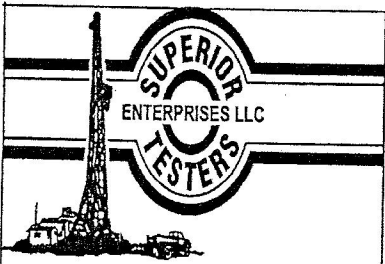
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3197.00 ft | Diameter: 3.80 inches | Volume: 44.85 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: 80000.00 lb |
| | | | <u>Total Volume: 44.85 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 11.00 ft | | | String Weight: Initial 42000.00 lb |
| Depth to Top Packer: | 3214.00 ft | | | Final 42000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 66.00 ft | | | |
| Tool Length: | 94.00 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 | | | 3191.00 | |
| Hydraulic Tool | 5.00 | | | 3196.00 | |
| Jars | 6.00 | | | 3202.00 | |
| Safety Joint | 2.00 | | | 3204.00 | |
| Packer | 5.00 | | | 3209.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3214.00 | |
| Anchor | 0.00 | | | 3214.00 | |
| Change Over Sub | 0.75 | | | 3214.75 | |
| Drill Pipe | 31.50 | | | 3246.25 | |
| Change Over Sub | 0.75 | | | 3247.00 | |
| Anchor | 28.00 | | | 3275.00 | |
| Recorder | 1.00 | 6731 | Inside | 3276.00 | |
| Recorder | 1.00 | 8159 | Outside | 3277.00 | |
| Bullnose | 3.00 | | | 3280.00 | 66.00 Bottom Packers & Anchor |
| Total Tool Length: | 94.00 | | | | |



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: 17379

DST#: 5

ATTN: Derek Patterson

Test Start: 2013.01.19 @ 03:39:00

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: 68.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.78 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psia | | |
| Salinity: 10200.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------------|---------------|
| 3.00 | muddy oil 40%oil 60%mud | 0.042 |

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

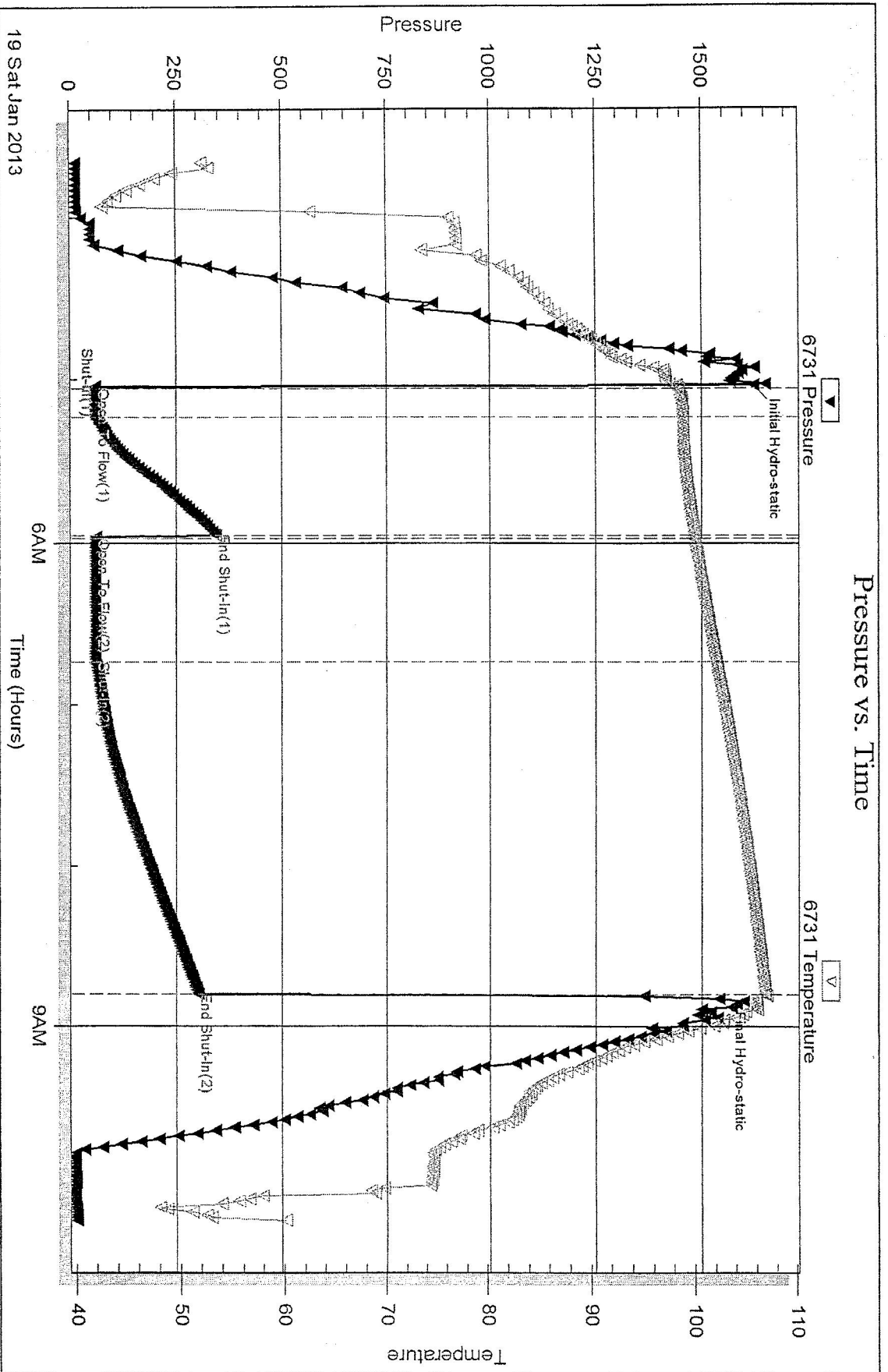
Recovery Comments:

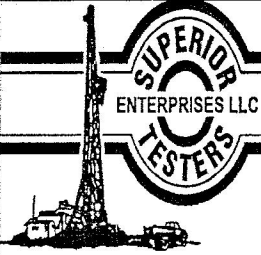
Serial #: 6731

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

DST Test Number: 5





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: 17380

DST#: 6

ATTN: Derek Patterson

Test Start: 2013.01.19 @ 17:51:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:15:30

Time Test Ended: 00:11:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jarefd Scheck

Unit No: 3320-Great Bend-45

Interval: 3216.00 ft (KB) To 3288.00 ft (KB) (TVD)

Reference Elevations: 1757.00 ft (KB)

Total Depth: 3288.00 ft (KB) (TVD)

1749.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GRVCF: 8.00 ft

Serial #: 6731

Press@RunDepth: 77.66 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.01.19

End Date: 2013.01.20

Last Calib.: 2013.01.20

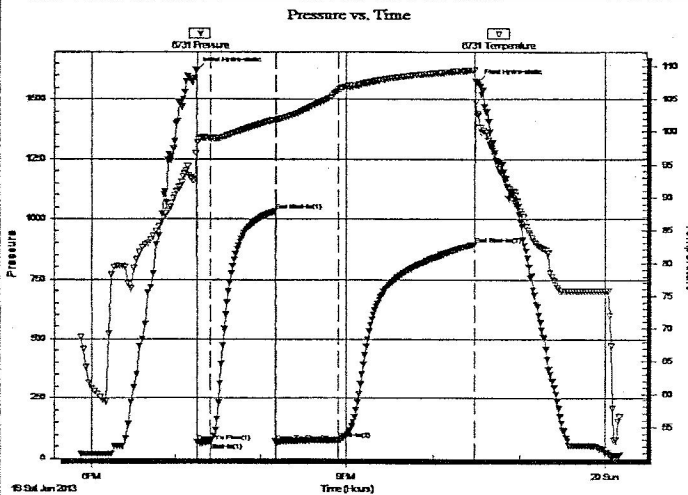
Start Time: 17:52:00

End Time: 00:11:00

Time On Btm: 2013.01.19 @ 19:14:30

Time Off Btm: 2013.01.19 @ 22:30:30

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-Fair blow built bottom of bucket in 24 minutes
 2nd Shut-in 90 Minutes-3 1/2 inch blow



PRESSURE SUMMARY

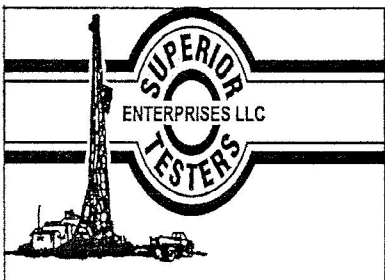
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1618.98 | 96.64 | Initial Hydro-static |
| 1 | 66.37 | 98.31 | Open To Flow (1) |
| 11 | 67.17 | 98.95 | Shut-In(1) |
| 56 | 1031.78 | 101.83 | End Shut-In(1) |
| 57 | 68.86 | 101.75 | Open To Flow (2) |
| 100 | 77.66 | 106.43 | Shut-In(2) |
| 194 | 893.44 | 109.44 | End Shut-In(2) |
| 196 | 1570.41 | 102.77 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 10.00 | mud cut oil 40%oil 60%mud | 0.14 |
| 180.00 | gas in pipe | 2.52 |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

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: 17380 DST#: 6
 Test Start: 2013.01.19 @ 17:51:00

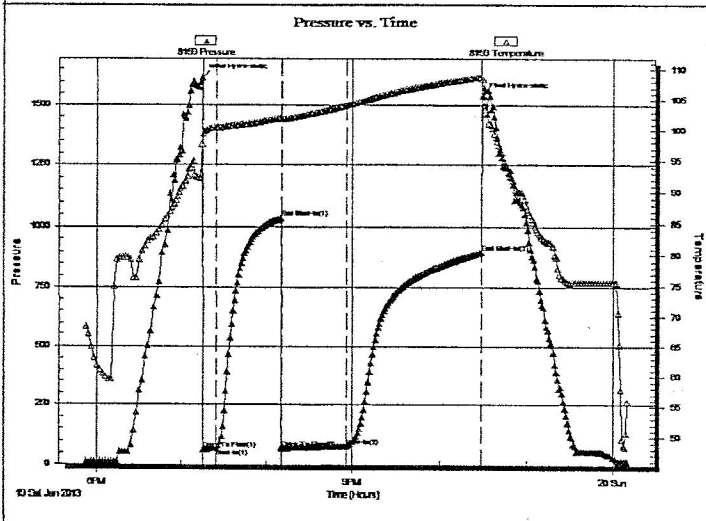
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:15:30
 Time Test Ended: 00:11:00
 Interval: **3216.00 ft (KB) To 3288.00 ft (KB) (TVD)**
 Total Depth: **3288.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jarefd 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 #: 8159

Press@RunDepth: 894.65 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.19 End Date: 2013.01.20 Last Calib.: 2013.01.20
 Start Time: 17:52:00 End Time: 00:11:00 Time On Btm: 2013.01.19 @ 19:14:30
 Time Off Btm: 2013.01.19 @ 22:29:30

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-Fair blow built bottom of bucket in 24 minutes
 2nd Shut-in 90 Minutes-3 1/2 inch blow



PRESSURE SUMMARY

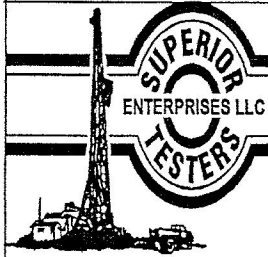
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1616.10 | 97.81 | Initial Hydro-static |
| 1 | 64.92 | 99.40 | Open To Flow (1) |
| 11 | 66.64 | 100.45 | Shut-In(1) |
| 56 | 1033.53 | 102.07 | End Shut-In(1) |
| 57 | 67.67 | 101.82 | Open To Flow (2) |
| 102 | 77.07 | 104.15 | Shut-In(2) |
| 194 | 894.65 | 108.84 | End Shut-In(2) |
| 195 | 1537.66 | 108.55 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 10.00 | mud cut oil 40%oil 60%mud | 0.14 |
| 180.00 | gas in pipe | 2.52 |
| | | |
| | | |
| | | |

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: 17380

DST#: 6

ATTN: Derek Patterson

Test Start: 2013.01.19 @ 17:51:00

Tool Information

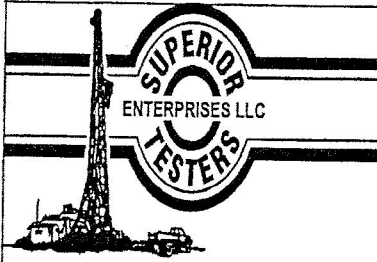
| | | | | |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe: | Length: 3196.00 ft | Diameter: 3.80 inches | Volume: 44.83 bbl | Tool Weight: 1000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 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: 44.83 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 8.00 ft | | | String Weight: Initial 42000.00 lb |
| Depth to Top Packer: | 3216.00 ft | | | Final 44000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 72.00 ft | | | |
| Tool Length: | 100.00 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 | | | 3193.00 | |
| Hydraulic Tool | 5.00 | | | 3198.00 | |
| Jars | 6.00 | | | 3204.00 | |
| Safety Joint | 2.00 | | | 3206.00 | |
| Packer | 5.00 | | | 3211.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3216.00 | |
| Anchor | 0.00 | | | 3216.00 | |
| Change Over Sub | 0.75 | | | 3216.75 | |
| Drill Pipe | 31.50 | | | 3248.25 | |
| Change Over Sub | 0.75 | | | 3249.00 | |
| Anchor | 34.00 | | | 3283.00 | |
| Recorder | 1.00 | 6731 | Inside | 3284.00 | |
| Recorder | 1.00 | 8159 | Outside | 3285.00 | |
| Bullnose | 3.00 | | | 3288.00 | 72.00 Bottom Packers & Anchor |

Total Tool Length: 100.00



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
 ATTN: Derek Patterson Job Ticket: 17380 DST#: 6
Test Start: 2013.01.19 @ 17:51:00

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: 68.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.78 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psia | | |
| Salinity: 10200.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

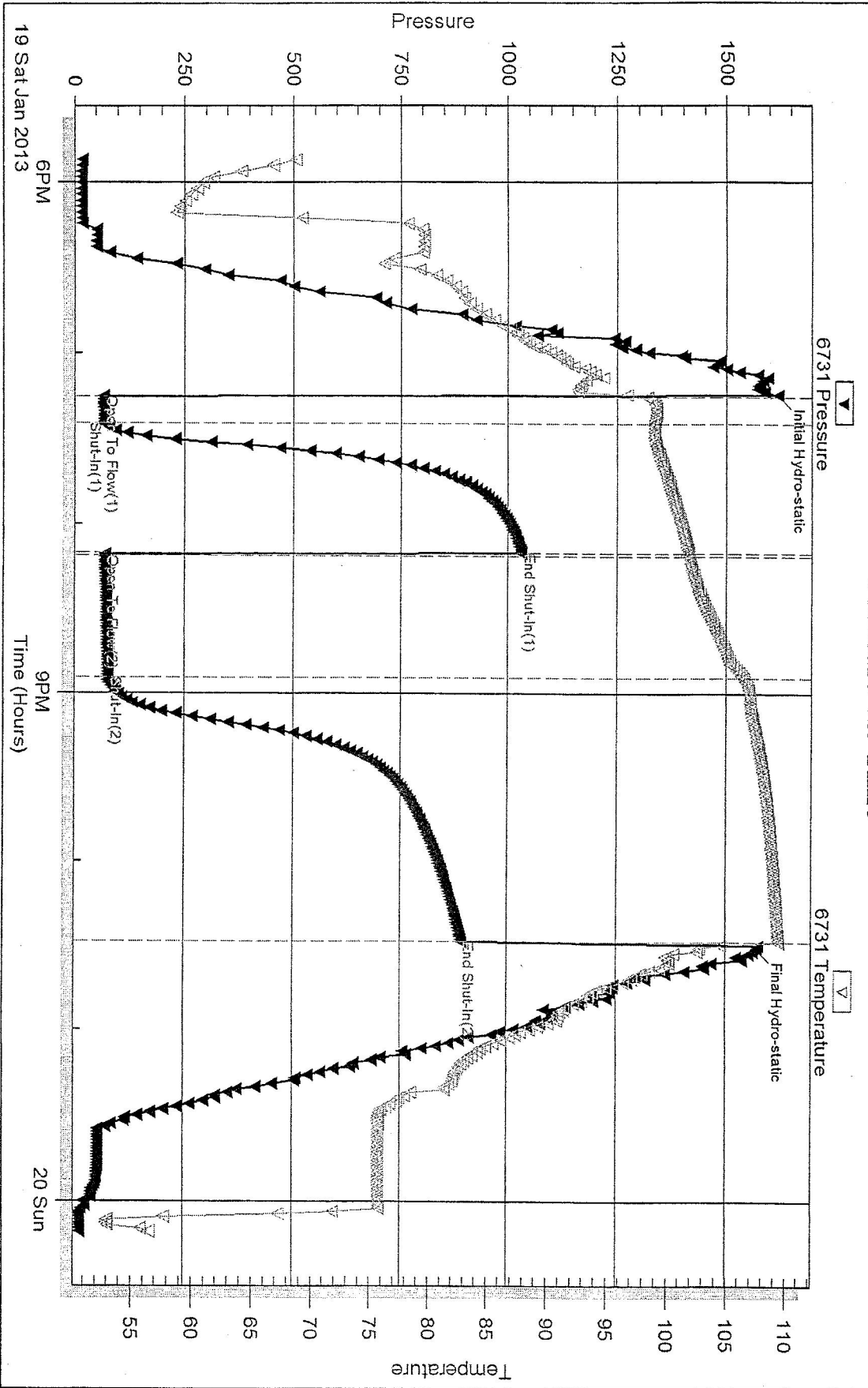
Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 10.00 | mud cut oil 40%oil 60%mud | 0.140 |
| 180.00 | gas in pipe | 2.525 |

Total Length: 190.00 ft Total Volume: 2.665 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

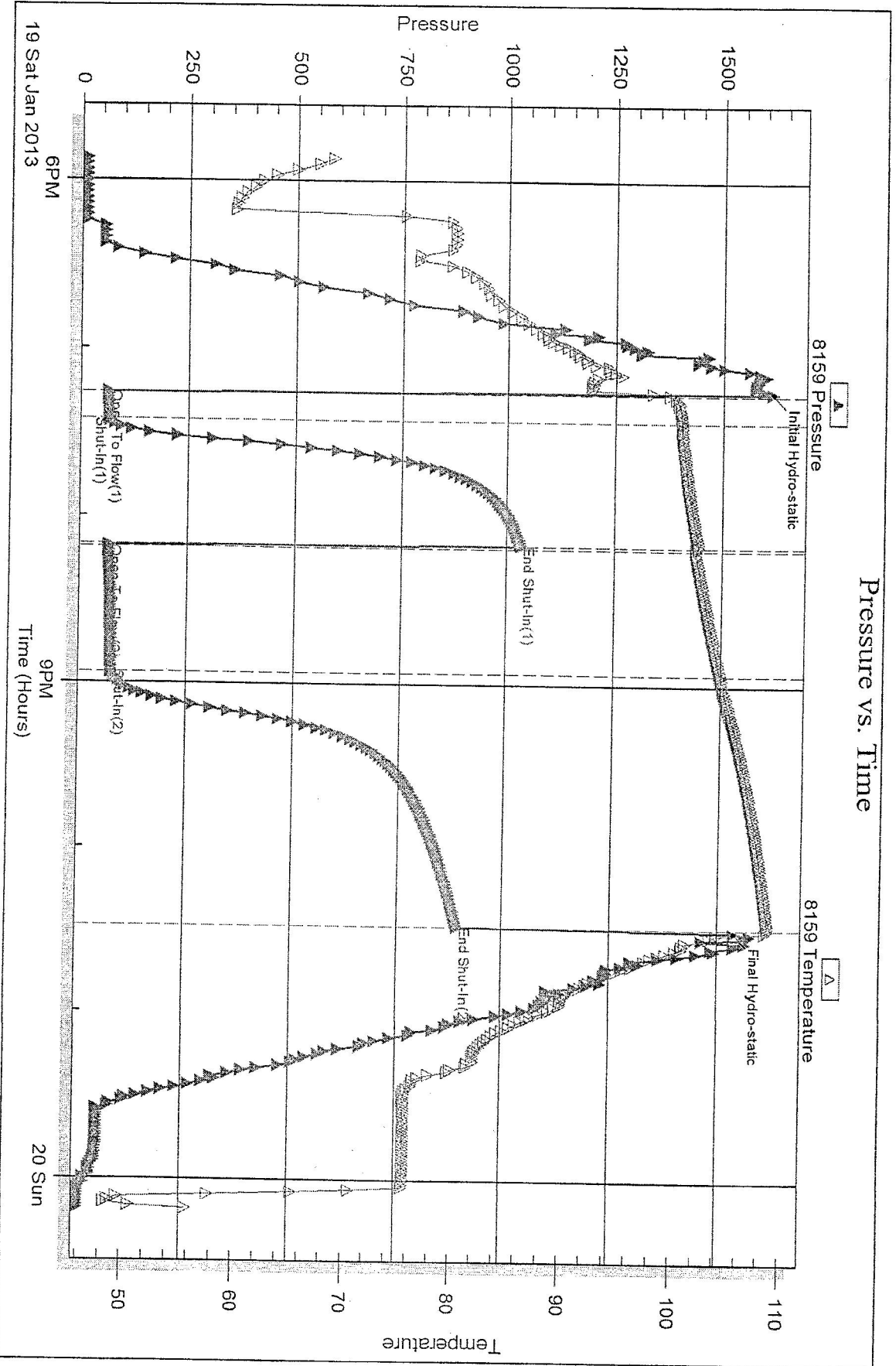


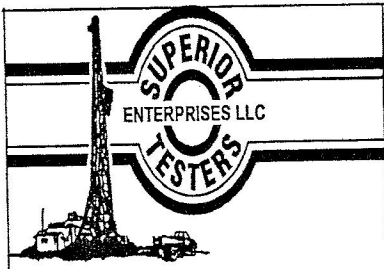
Serial #: 8159

Bird Dog Oil L.L.C

Pioneer-Masden#2-14

DST Test Number: 6





DRILL STEM TEST REPORT

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: 17381 DST#: 7
 Test Start: 2013.01.20 @ 06:15:00

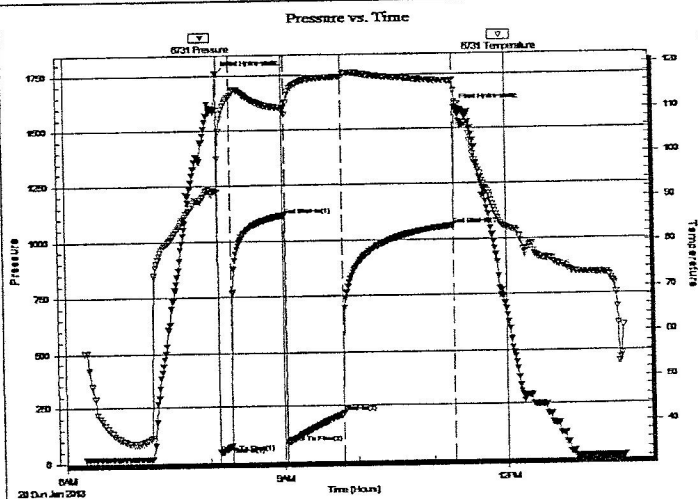
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:07:30
 Time Test Ended: 13:34:30
 Interval: 3288.00 ft (KB) To 3295.00 ft (KB) (TVD)
 Total Depth: 3295.00 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: 214.97 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.20 End Date: 2013.01.20 Last Calib.: 2013.01.20
 Start Time: 06:16:00 End Time: 13:34:30 Time On Btm: 2013.01.20 @ 08:06:30
 Time Off Btm: 2013.01.20 @ 11:18:30

TEST COMMENT: 1st Opening 10 Minutes-Strong blow built bottom of bucket in 2 minutes
 1st Shut-in 45 Minutes-3inch blow back
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 3 minutes
 2nd Shut-in 90 Minutes-Very weak surface blow



PRESSURE SUMMARY

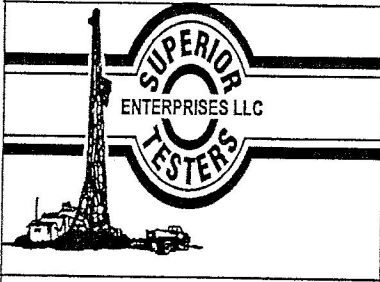
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1754.87 | 91.31 | Initial Hydro-static |
| 1 | 44.32 | 99.01 | Open To Flow (1) |
| 11 | 71.65 | 112.65 | Shut-In(1) |
| 55 | 1112.50 | 110.19 | End Shut-In(1) |
| 56 | 81.79 | 108.84 | Open To Flow (2) |
| 102 | 214.97 | 117.28 | Shut-In(2) |
| 191 | 1060.57 | 116.00 | End Shut-In(2) |
| 192 | 1593.59 | 113.79 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 60.00 | oil cut mud 10%mud 90%oil | 0.84 |
| 480.00 | gassy oil 10%gas 90%oil | 6.73 |
| 0.00 | 780 feet gas in pipe | 0.00 |
| 0.00 | Gravity oil 44 | 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

ATTN: Derek Patterson

Job Ticket: 17381

DST#:7

Test Start: 2013.01.20 @ 06:15:00

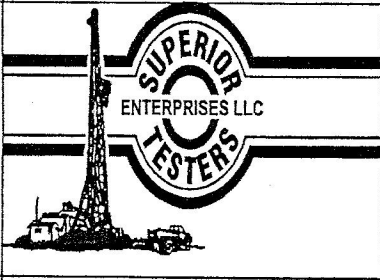
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3291.00 ft | Diameter: 3.80 inches | Volume: 46.16 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 |
| | | | <u>Total Volume: 46.16 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 31.00 ft | | | String Weight: Initial 42000.00 lb |
| Depth to Top Packer: | 3288.00 ft | | | Final 44000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 7.00 ft | | | |
| Tool Length: | 35.00 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 | | | 3265.00 | |
| Hydraulic Tool | 5.00 | | | 3270.00 | |
| Jars | 6.00 | | | 3276.00 | |
| Safety Joint | 2.00 | | | 3278.00 | |
| Packer | 5.00 | | | 3283.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3288.00 | |
| Anchor | 2.00 | | | 3290.00 | |
| Recorder | 1.00 | 6731 | Inside | 3291.00 | |
| Recorder | 1.00 | 8159 | Outside | 3292.00 | |
| Bullnose | 3.00 | | | 3295.00 | 7.00 Bottom Packers & Anchor |
| Total Tool Length: | 35.00 | | | | |



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: 17381

DST#:7

ATTN: Derek Patterson

Test Start: 2013.01.20 @ 06:15:00

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: 68.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.79 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psia | | |
| Salinity: 10200.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

Recovery Information

Recovery Table

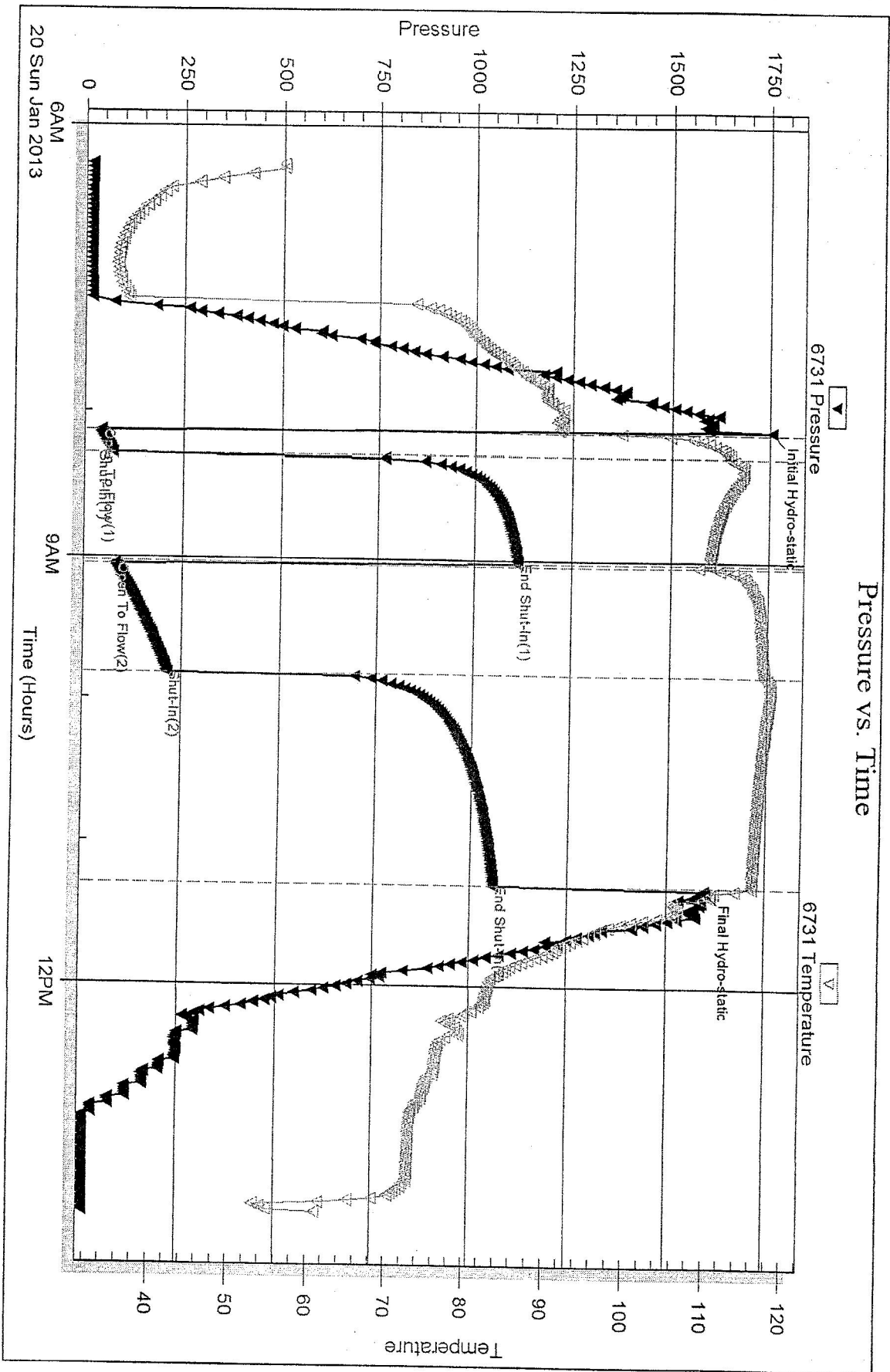
| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 60.00 | oil cut mud 10%mud 90%oil | 0.842 |
| 480.00 | gassy oil 10%gas 90%oil | 6.733 |
| 0.00 | 780 feet gas in pipe | 0.000 |
| 0.00 | Gravity oil 44 | 0.000 |

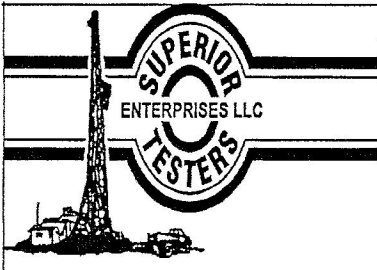
Total Length: 540.00 ft Total Volume: 7.575 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity oil 44





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: 17382

DST#: 8

Test Start: 2013.01.20 @ 20:51:00

GENERAL INFORMATION:

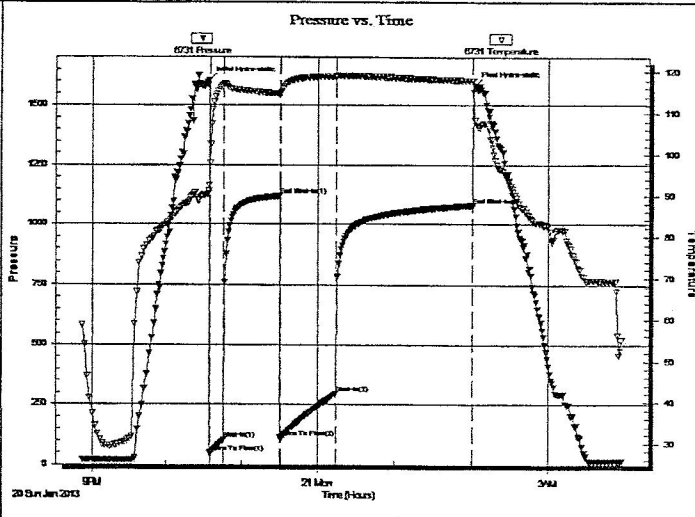
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:35:00
 Time Test Ended: 03:58:30
 Interval: **3295.00 ft (KB) To 3205.00 ft (KB) (TVD)**
 Total Depth: **3305.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**
 Test Type: **Conventional Bottom Hole (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

Inside

Press@RunDepth: **293.84 psia @ 3301.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2013.01.20** End Date: **2013.01.21** Last Calib.: **2013.01.21**
 Start Time: **20:52:00** End Time: **03:58:30** Time On Btm: **2013.01.20 @ 22:34:00**
 Time Off Btm: **2013.01.21 @ 02:02:30**

TEST COMMENT: 1st Opening 10 Minutes-Strong blow built bottom of bucket in 5 minutes
 1st Shut-in 45 Minutes 1/2 inch blow
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 7 minutes
 2nd Shut-in 90 Minutes-Bottom of bucket blow back



PRESSURE SUMMARY

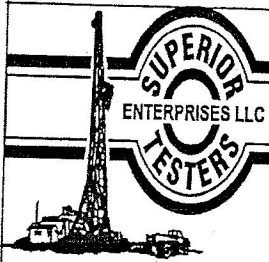
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1601.66 | 91.13 | Initial Hydro-static |
| 1 | 47.75 | 97.79 | Open To Flow (1) |
| 12 | 103.49 | 117.04 | Shut-In(1) |
| 56 | 1120.10 | 114.84 | End Shut-In(1) |
| 57 | 111.20 | 115.09 | Open To Flow (2) |
| 101 | 293.84 | 118.90 | Shut-In(2) |
| 207 | 1079.18 | 117.91 | End Shut-In(2) |
| 209 | 1581.27 | 108.37 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--|--------------|
| 60.00 | water oil 40% water 60% oil | 0.84 |
| 120.00 | oil cut muddy water 40% oil 10% mud 50% | 1.68 |
| 420.00 | water 98% water 7% mud | 5.89 |
| 0.00 | 300 feet gas in pipe | 0.00 |
| 0.00 | chlorides 13,000 resistivity .1 @ 60 deg | 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

ATTN: Derek Patterson

Job Ticket: 17382

DST#: 8

Test Start: 2013.01.20 @ 20:51:00

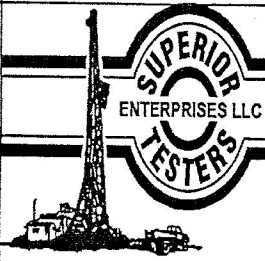
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3290.00 ft | Diameter: 3.80 inches | Volume: 46.15 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: 46.15 bbl</u> | Tool Chased 3.00 ft |
| Drill Pipe Above KB: | 23.00 ft | | | String Weight: Initial 42000.00 lb |
| Depth to Top Packer: | 3295.00 ft | | | Final 45000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 10.00 ft | | | |
| Tool Length: | 38.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments: ruined packer

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Shut-In Tool | 5.00 | | | 3272.00 | |
| Hydraulic Tool | 5.00 | | | 3277.00 | |
| Jars | 6.00 | | | 3283.00 | |
| Safety Joint | 2.00 | | | 3285.00 | |
| Packer | 5.00 | | | 3290.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3295.00 | |
| Anchor | 5.00 | | | 3300.00 | |
| Recorder | 1.00 | 6731 | Inside | 3301.00 | |
| Recorder | 1.00 | 8159 | Outside | 3302.00 | |
| Bullnose | 3.00 | | | 3305.00 | 10.00 Bottom Packers & Anchor |
| Total Tool Length: | 38.00 | | | | |



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

ATTN: Derek Patterson

Job Ticket: 17382

DST#: 8

Test Start: 2013.01.20 @ 20:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 9.18 in³

Resistivity: ohm.m

Salinity: 10500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API: deg API

Water Salinity: ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---|---------------|
| 60.00 | water oil 40% water 60% oil | 0.842 |
| 120.00 | oil cut muddy water 40% oil 10% mud 50% water | 1.683 |
| 420.00 | water 98% water 7% mud | 5.891 |
| 0.00 | 300 feet gas in pipe | 0.000 |
| 0.00 | chlorides 13,000 resistivity .1 @ 60 deg | 0.000 |

Total Length: 600.00 ft Total Volume: 8.416 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: chlorides 13,000 resistivity .1 @ 60 degrees/ruined packer

Bird Dog Oil L.L.C

14-19s-10w Rice

Pioneer-Masden#2-14

DST # 1

Douglas Sand

2013.01.15

Pressure vs. Time

