

#### Kansas Corporation Commission Oil & Gas Conservation Division

1158938

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

## WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd.  CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:   Deepening Re-perf. Conv. to ENHR Conv. to SWD   Conv. to GSW	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR         Permit #:           ☐ GSW         Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	

#### **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:	

Side Two



INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stem time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach com line Logs surveyed. Attach final geological well site report.  Drill Stem Tests Taken  (Attach Additional Sheets)  Samples Sent to Geological Survey  Yes No  Cores Taken  Yes No  Electric Log Run  Electric Log Submitted Electronically  Yes No  Electric Log Submitted Electronically	
time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach combine Logs surveyed. Attach final geological well site report.  Drill Stem Tests Taken  (Attach Additional Sheets)  Samples Sent to Geological Survey  Yes No  Cores Taken  Yes No  Yes No  Yes No  Electric Log Run	
(Attach Additional Sheets)  Samples Sent to Geological Survey  Cores Taken  Yes No  Electric Log Run  Name  Top	bottom hole temperature, fluid
Samples Sent to Geological Survey	um Sample
Cores Taken         ☐ Yes         ☐ No           Electric Log Run         ☐ Yes         ☐ No	Datum
(If no, Submit Copy)	
List All E. Logs Run:	
CASING RECORD New Used  Report all strings set-conductor, surface, intermediate, production, etc.	
Purpose of String	Sacks Type and Percent Used Additives
ADDITIONAL CEMENTING / SQUEEZE RECORD	
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone  Depth Top Bottom Type of Cement # Sacks Used Type and Percent	Additives
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squee Specify Footage of Each Interval Perforated (Amount and Kind of Material U	
TUBING RECORD: Size: Set At: Packer At: Liner Run:	
Date of First, Resumed Production, SWD or ENHR.  Producing Method:  Flowing Pumping Gas Lift Other (Explain)	
Estimated Production Per 24 Hours  Oil Bbls. Gas Mcf Water Bbls. Gas-Oil	Ratio Gravity
DISPOSITION OF GAS:    METHOD OF COMPLETION:   PR	ODUCTION INTERVAL:

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

## All Electric Logs Run

DIL	
MR BHS Por	
BHS	
Por	
Sonic	

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

∠hone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 6874

Finish On Location State County Sec. Twp. Range 1:30AM 27 12 16 Date 6-25-13 Well No. 1-27 Lease Beaver South Kory Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish Contractor South Wind 6 cementer and helper to assist owner or contractor to do work as listed. Type Job Surface Bird Dog 38 T.D. Hole Size 12 381 Depth Street State City Depth Tbg. Size The above was done to satisfaction and supervision of owner agent or contractor. Depth Tool Cement Amount Ordered 180 com 3% cc 2% ge Shoe Joint 20 Cement Left in Csg. 20 23661 Displace Meas Line EQUIPMENT Common No. Helper Cementer Poz. Mix Pumptrk Brett Driver No. Gel. Bulktrk Driver Driver Calcium Bulktrk Driver Travis **JOB SERVICES & REMARKS** Hulls Salt Remarks: Cemend did circulate Flowseal Rat Hole Kol-Seal Mouse Hole Mud CLR 48 Centralizers CFL-117 or CD110 CAF 38 Baskets Sand D/V or Port Collar Handling Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Surface Mileage. Tax Discount Total Charge X Signature

#### FIELD SERVICE TICKET

1718 A

# 10244 NE Hwy. 61 P.O. Box 8613 Prait, Kansas 67124

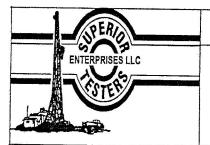
Р	ENERGY RESSURE PUMPI	ING & WIRELINE				DATE	FICKET NO		
DATE OF JOB	) D	ISTRICT		NEW WELL	OLD P	ROD □INJ	□ wdw □ Cl	JSTOMER RDER NO.:	
CUSTOMER	LEASE				WELL NO.				
ADDRESS	COUNTY	nes (	- eve 	STATE					
CITY		STATE		SERVICE C	REW	iteetti, võ	a Magazi Zi		jiés .
AUTHORIZED BY				JOB TYPE:			ter grand		
EQUIPMENT		EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALL	D DAT	E AM TIN	ME
		A				ARRIVED AT	JOB ,	AM PM	
		. '	_		+	START OPER	ATION	AM PM	
	egara t	,				FINISH OPER	ATION	AM PM	, j.
						RELEASED		AM PM	114
					+	MILES FROM	STATION TO WELL		
ITEM/DDICE			E AND OFFILIOF	CHEED	HAUT	·	R, OPERATOR, CONT	T	
ITEM/PRICE REF. NO.	N	NATERIAL, EQUIPMENT	T AND SERVICE	S USED	UNIT	QUANTITY,	UNIT PRICE	\$ AMOUN	NT
								14.4	
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						12.2.20			
						12.2.20			
	IEMICAL / ACID D						SUB TOTAL		
	EMICAL / ACID D			SERVICE & EQ		%TA	(ON \$		
	EMICAL / ACID D			SERVICE & EQI		%TA			

THE ABOVE MATERIAL AND SERVICE

FIELD SERVICE ORDER NO.

SERVICE

REPRESENTATIVE



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

#### GENERAL INFORMATION:

Time Tool Opened: 23:05:30

Time Test Ended: 03:02:00

Formation: Deviated:

Interval:

Douglas Sand

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Jared Scheck

3320-Great Bend-45

2836.00 ft (KB) To 2873.00 ft (KB) (TVD)

Unit No: Reference Elevations:

1757.00 ft (KB)

Total Depth: 2873.00 ft (KB) (TVD)

1749.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

8.00 ft

Serial #: 6731

Press@RunDepth:

49.31 psia @

ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time:

2013.01.15

End Date:

2013.01.16

Last Calib .:

2013.01.16

21:09:00

End Time:

03:02:00

Time On Btm:

2013.01.15 @ 23:04:30

Time Off Btm:

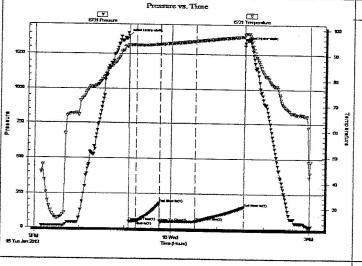
2013.01.16 @ 01:35:00

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



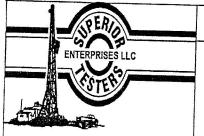
2	PRESSURE SUMMARY				
	Time Pressure		Temp	Annotation	
	(Min.)	(psia)	(deg F)		
	0	1379.21	94.04	Initial Hydro-static	
	1	46.30	93.82	Open To Flow (1)	
	10	49.31	93.85	Shut-In(1)	
	41	178.61	94.16	End Shut-In(1)	
Temp	42	43.78	94.16	Open To Flow (2)	
Temperature	87	49.94	95.50	Open To Flow (3)	
=	150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

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

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

Superior Testers Enterprises LLC

Ref. No: 17000



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

#### GENERAL INFORMATION:

Formation:

Douglas Sand

Deviated: Time Tool Opened: 23:05:30

Time Test Ended: 03:02:00

No Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Jared Scheck

Unit No:

3320-Great Bend-45

Interval: Total Depth: 2836.00 ft (KB) To 2873.00 ft (KB) (TVD)

2873.00 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:

156.19 psia @

2013.01.15

ft (KB)

2013.01.16

Capacity: Last Calib.:

5000.00 psia

Start Date: Start Time:

21:09:00

End Date: End Time:

03:02:00

Time On Btm:

2013.01.16

Time Off Btm;

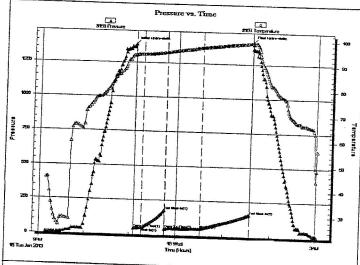
2013.01.15 @ 23:04:30 2013.01.16 @ 01:35:00

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					
4	PRESSURE SUMMARY					
	Time	Pressure	Temp	Annotation		
	(Min.)	(psia)	(deg F)			
1	0	1378.95	93.67	Initial Hydro-static		
	1	44.90	93.55			
	11	48.15	93.76			
	41	177.97	94.68	End Shut-In(1)		
	42	43.12	94.70	Open To Flow (2)		
	87	48.95	96.67	Shut-In(2)		
	150	156.19	98.73	End Shut-in(2)		
l	151	1406.49	98.31	Final Hydro-static		
l						
		J	Ì			

#### Recovery

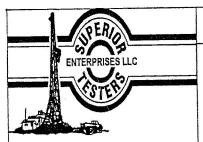
Length (ft)	Description	Volume (bbl)
25.00	Oll cut mud 20%oil 80%mud	0.35
0.00	35 feet gas in pipe	0.00

Gas	Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/c
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Superior Testers Enterprises LLC

Ref. No: 17000



**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: Heavy Wt. Pipe: Length:

Drill Collar:

Length: 2823.00 ft Diameter: Length:

0.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 39.60 bbl 0.00 bbl 0.00 inches Volume: 1dd 00.0 0.00 inches Volume: 39.60 bbl Total Volume:

Tool Weight: Weight set on Packer: 20000.00 lb Weight to Pull Loose: 46000.00 lb

1000.00 lb

Tool Chased

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

Depth to Bottom Packer:

15.00 ft 2836.00 ft

ft 37.00 ft

String Weight: Initial 42000.00 lb Final 42000.00 lb

Interval between Packers: Tool Length:

65.00 ft

2 Diameter:

6.75 inches

Tool Comments:

Number of Packers:

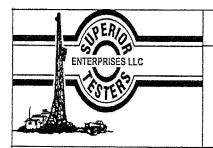
Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
5.00			2813.00		
5.00			2818.00		
6.00			2824.00		
2.00			2826.00		
5.00			2831.00	28.00	Bottom Of Top Packer
5.00			2836.00		
32.00			2868.00		
1.00	6731	Inside	2869.00		
1.00	8159	Outside	2870.00		
3.00			2873.00	37.00	Bottom Packers & Anchor
	5.00 5.00 6.00 2.00 5.00 5.00 32.00 1.00	5.00 5.00 6.00 2.00 5.00 5.00 32.00 1.00 6731 1.00 8159	5.00 5.00 6.00 2.00 5.00 5.00 32.00 1.00 6731 Inside 1.00 8159 Outside	5.00 2813.00 5.00 2818.00 6.00 2824.00 2.00 2826.00 5.00 2831.00 5.00 2836.00 32.00 2868.00 1.00 6731 Inside 2869.00 1.00 8159 Outside 2870.00	5.00 2813.00 5.00 2818.00 6.00 2824.00 2.00 2826.00 5.00 2831.00 28.00 5.00 2836.00 32.00 2868.00 1.00 6731 Inside 2869.00 1.00 8159 Outside 2870.00

Total Tool Length:

Superior Testers Enterprises LLC

65.00

Ref. No: 17000



**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

9.00 lb/gal

Cushion Type:

Oil API:

deg API

Mud Weight: Viscosity:

44.00 sec/qt

Cushion Length:

ft

Water Salinity:

ppm

Water Loss:

Cushion Volume:

bbl

Resistivity:

7.17 in<sup>3</sup> ohm.m

Gas Cushion Type:

Salinity:

4400.00 ppm

Gas Cushion Pressure:

psia

Filter Cake:

1.00 inches

#### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
25.00	Oll 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

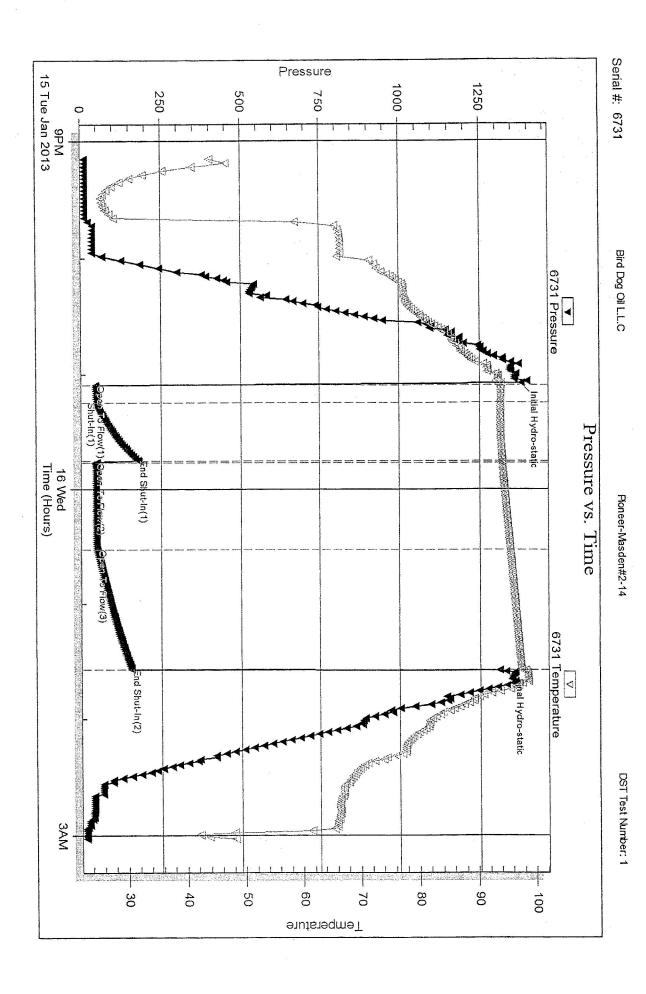
Num Gas Bombs: Laboratory Location: Serial #:

Laboratory Name:

Recovery Comments:

Superior Testers Enterprises LLC

Ref. No: 17000



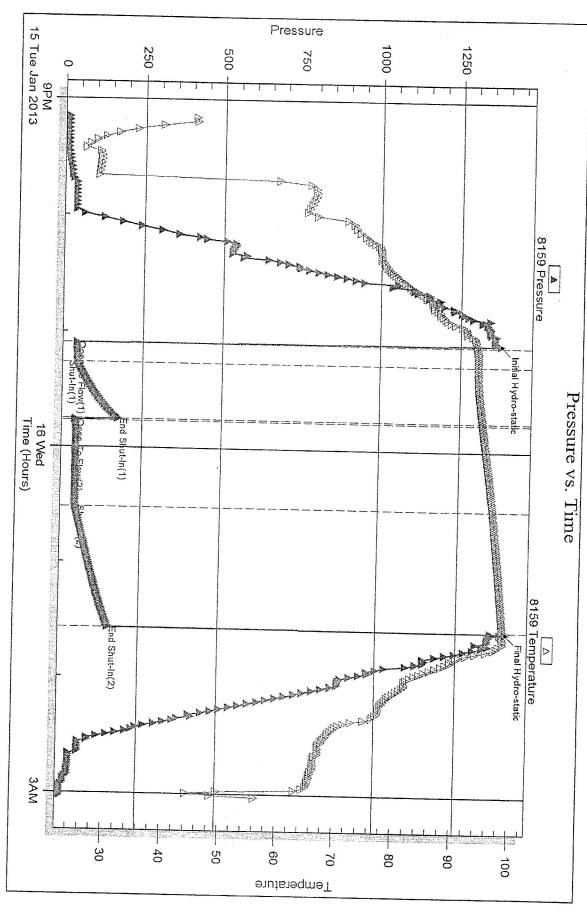
Superior Testers Enterprises LLC

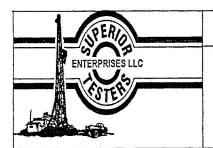
Ref. No: 17000

Printed: 2013.01.21 @ 16:19:35

Serial #: 8159

Bird Dog Oil L.L.C





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:

Time Tool Opened: 13:07:30

Time Test Ended: 18:04:30

Formation:

Lansing B Zone

Deviated:

No Whipstock: ft (KB)

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)

Reference Elevations:

1757.00 ft (KB)

Total Depth:

2984.00 ft (KB) (TVD)

1749.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Fair

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

Time On Btm: Time Off Btm:

End Time:

18:04:30

PRESSURE SUMMARY

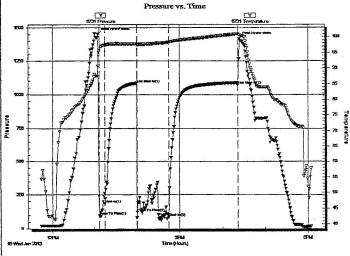
2013.01.16 @ 13:05:30 2013.01.16 @ 16:23:30

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



	0 0 00 00 00 00 00 00 00 00 00 00 00 00						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psia)	(deg F)				
	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)			
7	56	121.97	97.63	Open To Flow (2)			
Temperetun	100	84.97	98.32	Shut-In(2)			
2	196	1070.88	101.02	End Shut-In(2)			
	198	1414.54	100.64	Final Hydro-static			

#### Recovery

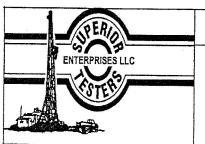
Length (ft)	Description	Valume (bbl)		
20.00	mud	0.28		
0.00	2930 gas in pipe	0.00		

#### Gas Rates

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

Superior Testers Enterprises LLC

Ref. No: 17376



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:

Time Test Ended: 18:04:30

Formation:

Lansing B Zone

Deviated:

No Whipstock: Time Tool Opened: 13:07:30

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Jared Scheck

Unit No:

3320-Great Bend-45

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

Reference Elevations:

1757.00 ft (KB)

2984.00 ft (KB) (TVD)

1749.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

8.00 ft

Serial #: 8159

Press@RunDepth:

1087.67 psia @

ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time: 2013.01.16 11:44:00

End Date: End Time:

2013.01.16 18:05:00

Last Calib .:

2013.01.16

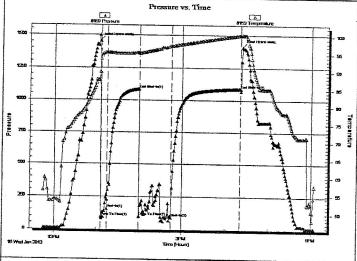
Time On Btm: Time Off Btm: 2013.01.16 @ 13:05:30 2013.01.16 @ 16:23:30

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



	1				
	Time	Pressure	Temp	Annotation	
	(Min.)	(psia)	(deg F)		
	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)	
į	55	104.80	95.17	Open To Flow (2)	
Temperatur	100	94.22	97.22	Shut-In(2)	
2	196	1087.67	100.27	End Shut-in(2)	
	198	1413.65	100.44	Final Hydro-static	
				•	

PRESSURE SUMMARY

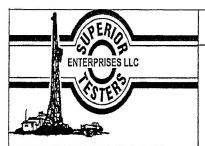
#### Recovery

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)			

Superior Testers Enterprises LLC

Ref. No: 17376



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 inches Volume: 0.00 bbl 0.00 bbl Weight set on Packer: 20000.00 lb Weight to Pull Loose: 60000.00 lb

Drill Collar:

Length:

0.00 ft Diameter:

Tool Chased

Drill Pipe Above KB:

10.00 ft 2968.00 ft Total Volume: 41.38 bbl

1.00 ft

Depth to Top Packer: Depth to Bottom Packer:

ft

String Weight: Initial 40000.00 lb

Interval between Packers: 16.00 ft

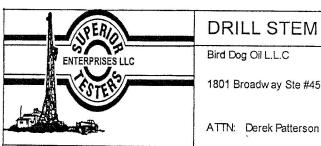
Final 40000.00 lb

Tool Length: Number of Packers: 44.00 ft 2 Diameter:

6.75 inches

Tool Comments:

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		
Bulinose	3.00			2984.00	16.00	Bottom Packers & Anchor
Total Tool Lengt	h: 44.00					



**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

Serial #:

ft

bbl

psia

Test Start: 2013.01.16 @ 11:43:00

#### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: Viscosity:

9.00 lb/gal 52.00 sec/qt 5.98 in<sup>3</sup>

Water Loss: Resistivity:

ohm.m 6000.00 ppm

Salinity: Filter Cake:

1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type: Gas Cushion Pressure:

Oil API:

Water Salinity:

Printed: 2013.01.21 @ 16:20:05

deg API

ppm

#### 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

Ref. No: 17376

Total Volume:

0.281 bbl

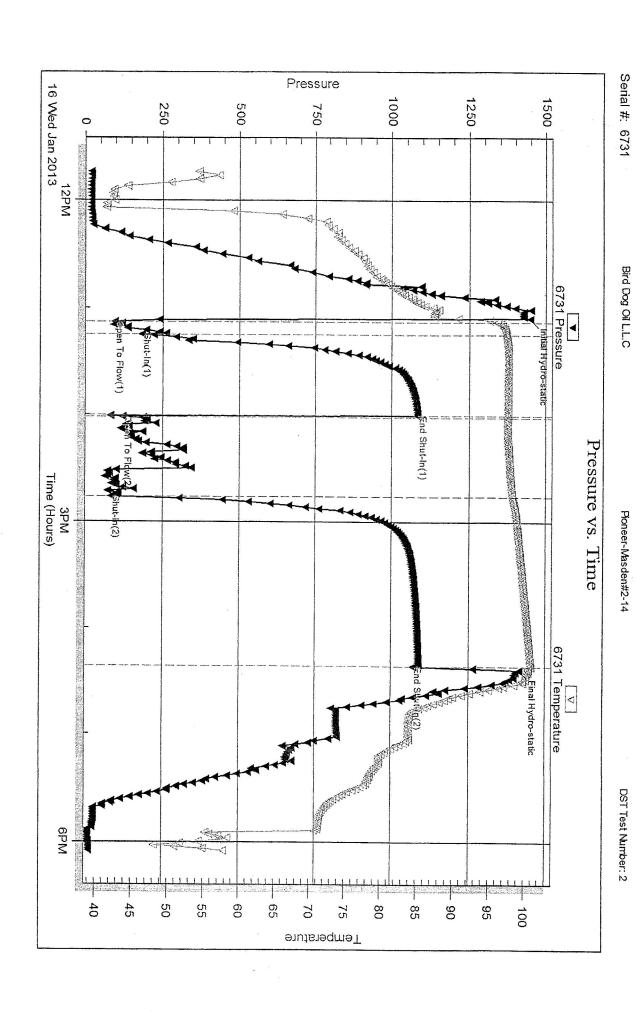
Num Fluid Samples: 0

Num Gas Bombs:

Laboratory Location:

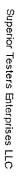
Recovery Comments:

Laboratory Name:

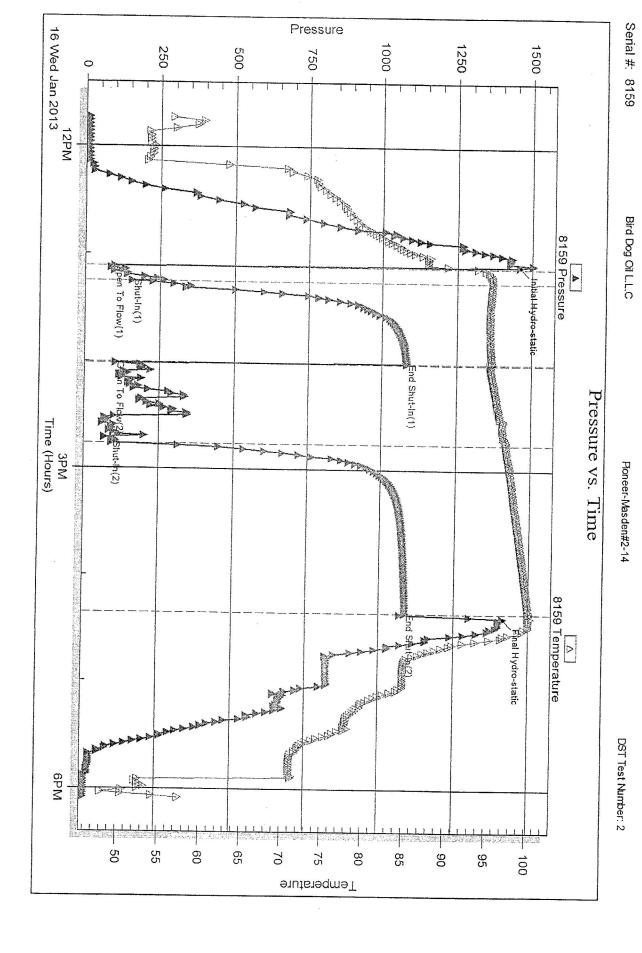


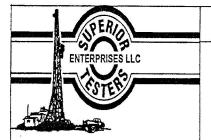
Superior Testers Enterprises LLC

Ref. No: 17376









Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14 Job Ticket: 17377

DST#:3

ATTN: Derek Patterson

Test Start: 2013.01.17 @ 05:40:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 06:59:00

Time Test Ended: 11:39:30

Formation:

Lansing Gzone

Deviated:

Whipstock:

ft (KB)

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

Interval: Total Depth:

Hole Diameter:

Serial #: 6731 Press@RunDepth:

3040.00 ft (KB) To 3066.00 ft (KB) (TVD)

3066.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Capacity:

5000.00 psia

Start Date:

62.99 psia @ 2013.01.17

ft (KB) 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:

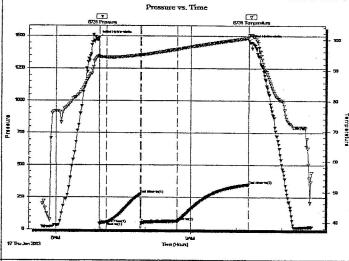
2013.01.17 @ 10:16:30

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

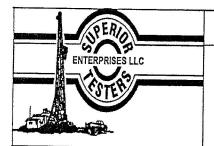


	PRESSURE SUMMARY								
	Time	Pressure	Temp	Annotation					
l)	(Min.)	(psia)	(deg F)						
	0	1486.93	94.77	Initial Hydro-static					
	1	43.58	94.43	Open To Flow (1)					
	11	55.99	94.23	Shut-In(1)					
	56	275.00	95.04	End Shut-In(1)					
Tem:	57	47.66	95.03	Open To Flow (2)					
Temperatur	104	62.99	96.90	Shut-In(2)					
2	198	347.93	100.51	End Shut-In(2)					
į	199	1459.27	101.32	Final Hydro-static					
	9								

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

Ref. No: 17377



Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17377

DST#:3

ATTN: Derek Patterson

Test Start: 2013.01.17 @ 05:40:00

#### GENERAL INFORMATION:

Formation:

Lansing G zone

Deviated:

No Whipstock: Time Tool Opened: 06:59:00

ft (KB)

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

Interval: Total Depth: 3040.00 ft (KB) To 3066.00 ft (KB) (TVD)

Hole Diameter:

Time Test Ended: 11:39:30

3066.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8159

Press@RunDepth:

347.38 psia @

ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time:

2013.01.17 05:41:00 End Date: End Time:

2013.01.17 11:39:30 Last Calib.:

2013.01.17

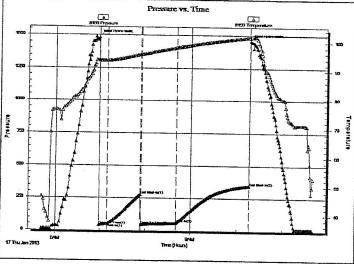
Time On Btm: Time Off Btm: 2013.01.17 @ 06:58:00 2013.01.17 @ 10:16:30

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



PRESSUR	₹E	SU	JMN	ЛΑР	łΥ
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			30000 AND 000000000000		
	Time	Pressure	Temp	Annotation	
	(Min.)	(psia)	(deg F)		
	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

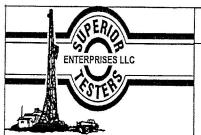
Length (ft)	Description	Volume (bbl)
45.00	mud spot oil on top	0.63
0.00	480 feet gas in pipe	0.00

#### Gas Rates

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

Superior Testers Enterprises LLC

Ref. No: 17377



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: 17377

DST#: 3

ATTN: Derek Patterson

Test Start: 2013.01.17 @ 05:40:00

Tool Information

Drill Pipe:

Length: 3043.00 ft Diameter: 0.00 ft Diameter:

Diameter:

3.80 inches Volume: 0.00 inches Volume:

42.69 bbl 0.00 bbl Tool Weight:

1000.00 lb

Heavy Wt. Pipe: Length: Drill Collar:

Length:

0.00 ft Diameter:

0.00 inches Volume: 42.69 bbl

0.00 bbl

Weight set on Packer: 20000.00 lb Weight to Pull Loose: 50000.00 lb

Printed: 2013.01.21 @ 16:20:19

Drill Pipe Above KB:

31.00 ft

Total Volume:

Tool Chased

0.00 ft

Depth to Top Packer: Depth to Bottom Packer: 3040.00 ft ft

String Weight: Initial 40000.00 lb Final 40000.00 lb

Interval between Packers: Tool Length:

26.00 ft

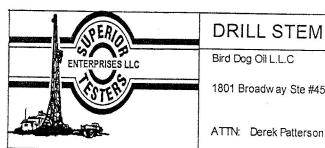
54.00 ft

6.75 inches

Number of Packers:

Tool Comments:

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		2	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	1: 54.00					



**FLUID SUMMARY** 

deg API

ppm

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17377

DST#: 3

Test Start: 2013.01.17 @ 05:40:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

Viscosity:

Water Loss:

Resistivity:

Salinity: Filter Cake:

ohm.m 6000.00 ppm

9.00 lb/gal

52.00 sec/qt

5.98 in<sup>3</sup>

1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

ft

bbi

psia

Recovery Information

Recovery Table

Length ft	Description	Volume bbi
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

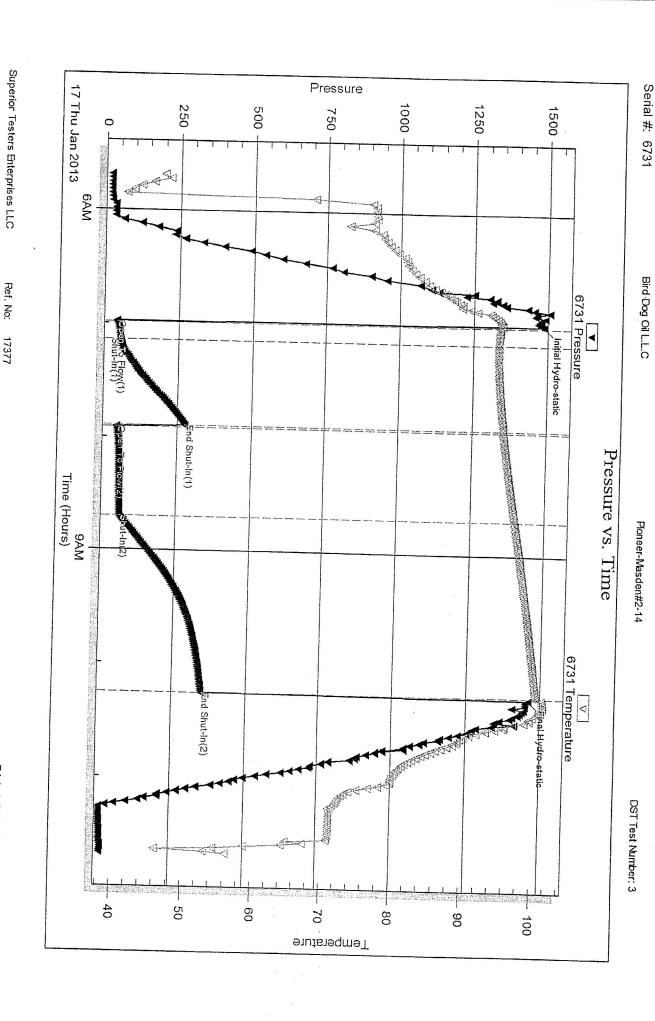
Num Fluid Samples: 0

Num Gas Bombs:

Laboratory Location:

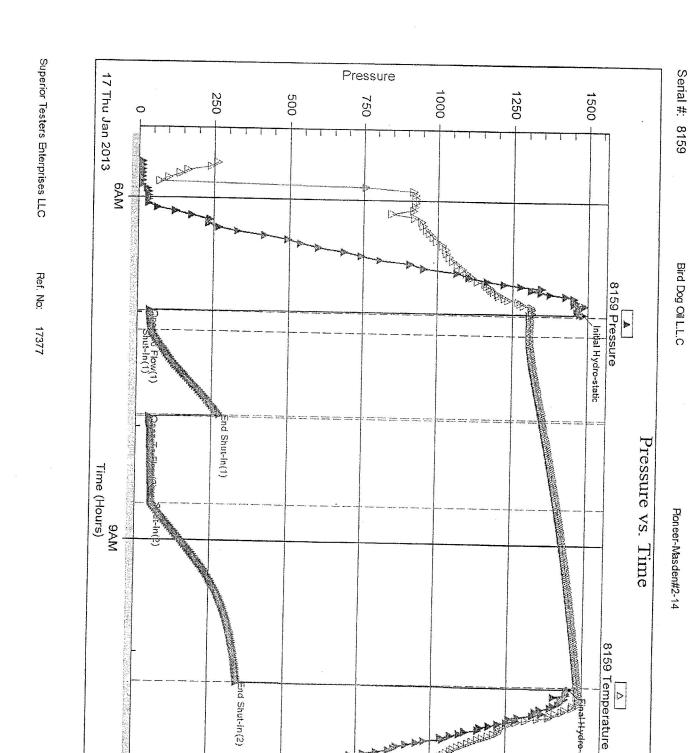
Serial #:

Laboratory Name: Recovery Comments:



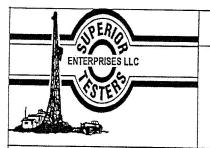
Ref. No:

17377



DST Test Number: 3

Temperature



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

#### GENERAL INFORMATION:

Time Tool Opened: 14:17:30

Time Test Ended: 19:09:00

Formation:

Lansing K-Lzones

Deviated:

No

Whipstock:

ft (KB)

Test Type: Tester:

Conventional Bottom Hole (Initial)

Jared Scheck

Unit No:

3320-Great Bend- 45

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

3219.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Reference Elevations:

1757.00 ft (KB)

KB to GR/CF:

1749.00 ft (CF) 8.00 ft

Serial #: 6731

Press@RunDepth:

Hole Diameter:

66.10 psia @

2013.01.18

ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time:

12:45:00

End Date: End Time:

2013.01.18 19:09:00 Last Calib .:

2013.01.18

Time On Btm: Time Off Btm:

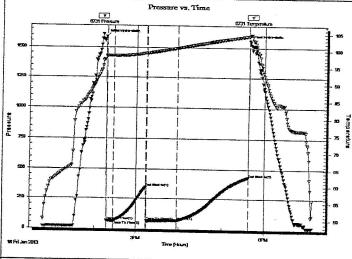
2013.01.18 @ 14:16:30 2013.01.18 @ 17:38:30

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							
		۲	RESSUR	RE SUMMARY			
	Time	Pressure	Temp	Annotation			
	(Min.)	(psia)	(deg F)				
	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)			
T and	58	60.82	99.14	Open To Flow (3)			
Temperature	101	66.10	100.74	Shut-In(1)			
3	201	429.73	104.32	End Shut-In(2)			
	202	1552.34	104.43	Final Hydro-static			
1				_			
-							

#### Recovery

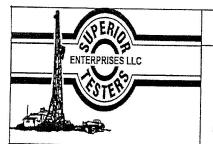
Length (ft)	Description	Valume (bbi)
15.00	spot ouil cut mud 3%oil 97%mud	0.21
0.00	105 feet gas in pipe	0.00

Gas	Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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Superior Testers Enterprises LLC

Ref. No: 17378



Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadw ay 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

#### GENERAL INFORMATION:

Time Tool Opened: 14:17:30

Time Test Ended: 19:09:00

Formation:

Lansing K-Lzones

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Jared Scheck

Unit No:

3320-Great Bend- 45

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

Total Depth:

Interval:

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)

Capacity:

psia

Start Date: Start Time:

2013.01.18 12:45:00

End Date: End Time: 2013.01.18 19:09:00

Last Calib .:

1899.12.30

Time On Btm: Time Off Btm:

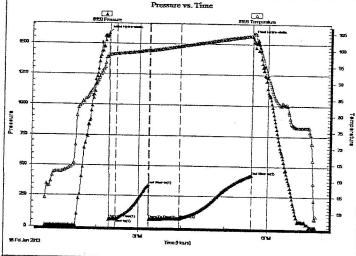
2013.01.18 @ 14:16:30 2013.01.18 @ 17:38:30

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



ΡF	RESSU	RE	SU	MM.	ARY
	-				

	Time	Pressure	Temp	Annotation	•
	(Min.)	(psia)	(deg F)	7 timotation	
	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)	
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

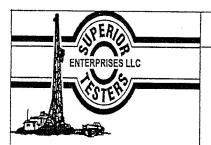
Length (ft)	Description	Valume (bbl)		
15.00	spot ouil cut mud 3%oil 97%mud	0.21		
0.00	105 feet gas in pipe	0.00		

#### Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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Superior Testers Enterprises LLC

Ref. No: 17378



**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 Above KB:

Drill Pipe:

Drill Collar:

Length: 3136.00 ft Diameter: Heavy Wt. Pipe: Length: Length:

12.00 ft

0.00 ft Diameter: 0.00 ft Diameter: 3.80 inches Volume: 43.99 bbl 0.00 inches Volume: 0.00 inches Volume: Total Volume:

0.00 bbl 0.00 bbl 43.99 bbl Tool Weight:

1000.00 lb Weight set on Packer: 20000.00 lb

Final 42000.00 lb

Weight to Pull Loose: 55000.00 lb

Tool Chased String Weight: Initial 42000.00 lb

0.00 ft

3152.00 ft

Depth to Top Packer: Depth to Bottom Packer: Interval between Packers:

ft 67.00 ft

95.00 ft

2 Diameter:

6.75 inches

Tool Comments:

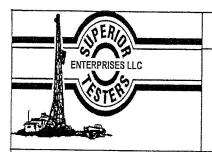
Number of Packers:

Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-in Tool	5.00			3129.00		
Hydrolic 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		n.
Bulinose	3.00			3219.00	67.00	Bottom Packers & Anchor

Total Tool Length:

95.00



**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

Oil API:

#### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

Viscosity:

Water Loss:

Resistivity:

Salinity:

Filter Cake:

7.58 in<sup>3</sup> ohm.m 9800.00 ppm

9.00 lb/gal

52.00 sec/qt

1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Serial #:

bbl

psia

Water Salinity:

deg API ppm

#### 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 Laboratory Name:

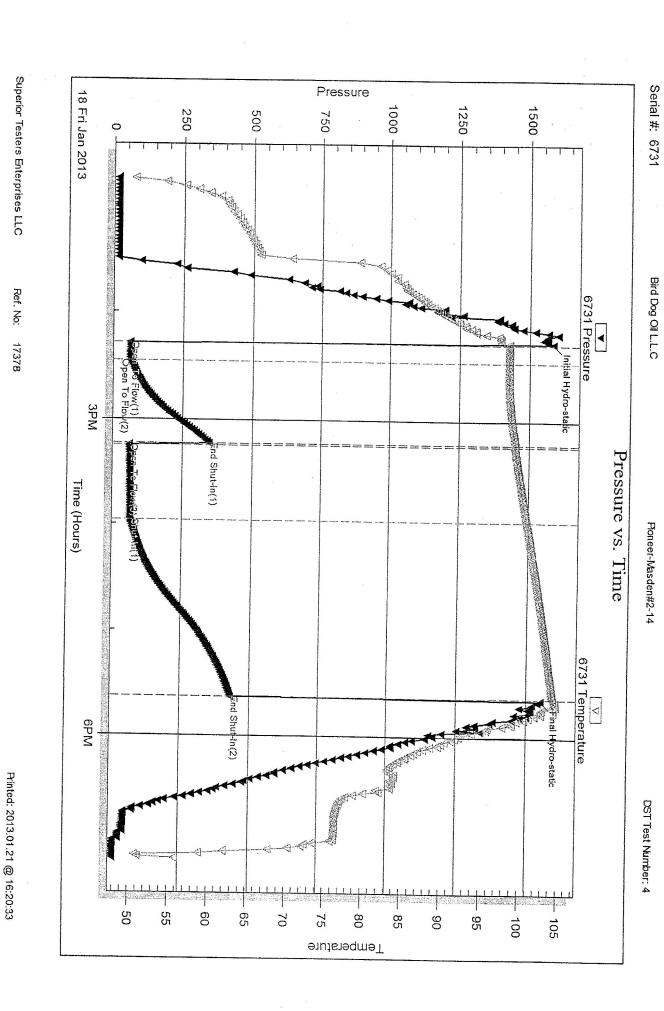
Recovery Comments:

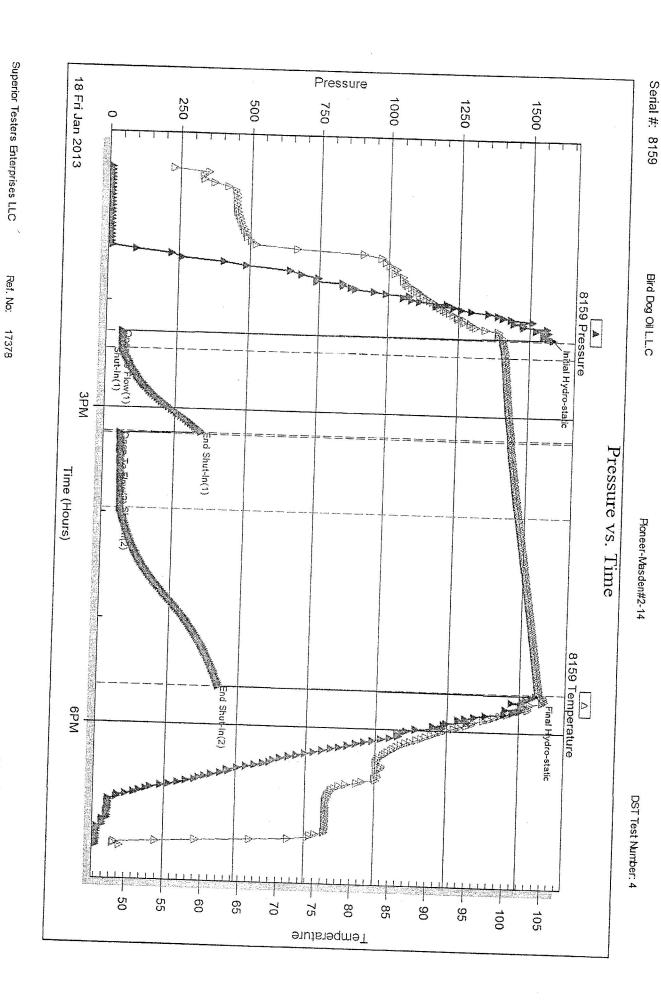
Num Gas Bombs:

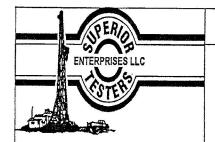
Laboratory Location:

Superior Testers Enterprises LLC

Ref. No: 17378







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:

Whipstock: No

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Jared Scheck

Unit No:

3320-Great Bend-45

Interval:

Time Test Ended: 10:11:00

Time Tool Opened: 05:03:00

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

Total Depth: Hole Diameter: 3280.00 ft (KB) (TVD)

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:

61.54 psia @

ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time: 2013.01.19 03:40:00

End Date: End Time:

2013.01.19 10:11:00 Last Calib .:

2013.01.19

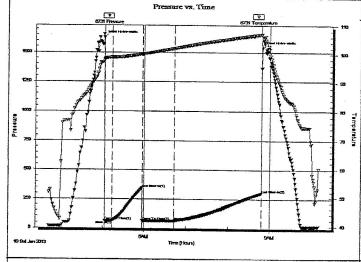
Time On Btm: Time Off Btm; 2013.01.19 @ 05:02:00 2013.01.19 @ 08:49:30

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-in90 Minutes-No blow back



ľ				
	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	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-ln(2)
	226	301.29	106.87	End Shut-In(2)
	228	1540.00	105.92	Final Hydro-static
-				

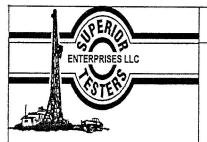
PRESSURE SUMMARY

Recovery Length (ft) Description Valume (bbl) 3.00 muddy oil 40%oil 60%mud 0.04

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

Superior Testers Enterprises LLC

Ref. No: 17379



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:**

Time Tool Opened: 05:03:00

Time Test Ended: 10:11:00

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Jared Scheck

Unit No:

3320-Great Bend-45

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

Interval: Total Depth:

Reference Elevations:

1757.00 ft (KB) 1749.00 ft (CF)

Hole Diameter:

3280.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

KB to GR/CF:

8.00 ft

Serial #: 8159

Press@RunDepth:

302.82 psia @

ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time:

2013.01.19 03:40:00 End Date: End Time:

2013.01.19 Last Calib .:

10:10:30

2013.01.19

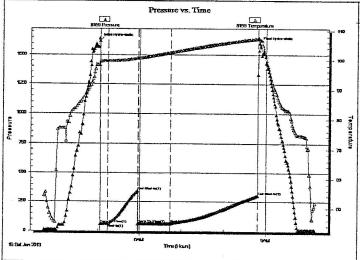
Time On Btm: Time Off Btm: 2013.01.19 @ 05:02:00 2013.01.19 @ 08:50:00

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-in90 Minutes-No blow back



t	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	, and a second
	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

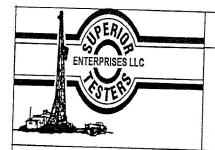
Length (ft)	Description	Volume (bbl)
3.00	muddy oil 40%oil 60%mud	0.04

#### Gas Rates

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

Superior Testers Enterprises LLC

Ref. No: 17379



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: Heavy Wt. Pipe: Length:

Length: 3197.00 ft Diameter: 0.00 ft Diameter: Length:

0.00 ft Diameter:

Diameter:

3.80 inches Volume: 0.00 inches Volume: 0.00 inches Volume:

0.00 bbl 0.00 bbl 44.85 bbl

44.85 bbl

Tool Weight:

1000.00 lb Weight set on Packer: 20000.00 lb

Weight to Pull Loose: 80000.00 lb

Total Volume:

Tool Chased

0.00 ft String Weight: Initial 42000.00 lb

Final 42000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

Depth to Bottom Packer:

Interval between Packers:

Drill Collar;

11.00 ft 3214.00 ft

> ft 66.00 ft

94.00 ft 2

6.75 inches

Number of Packers:

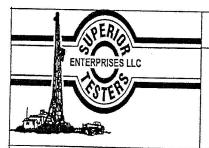
Tool Length:

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00	-			Accum. Lengths	
Hydrolic Tool	5.00			3191.00		880 0
Jars	6.00			3196.00		
Safety Joint	2.00			3202.00		
Packer				3204.00		
Packer	5.00			3209.00	28.00	Bottom Of Top Packer
Anchor	5.00			3214.00		Dottom Of Top Packer
	0.00			3214.00		
Change Over Sub	0.75			3214.75		
Drill Pipe	31.50			3246.25		
Change Over Sub	0.75					
Anchor	28.00			3247.00		
Recorder	1.00	6704		3275.00		
Recorder		6731	Inside	3276.00		
Bullnose	1.00	8159	Outside	3277.00		
	3.00			3280.00	66.00	Bottom Packers & Anchor
Total Tool Length:	94.00					Dottofff ackers & Anchor

Superior Testers Enterprises LLC

Ref. No: 17379



**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

Oil API:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

Viscosity:

Water Loss:

Resistivity: Salinity:

Filter Cake:

ohm.m 10200.00 ppm

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Water Salinity:

deg API ppm

ft bbl

psia

1.00 inches

9.00 lb/gal

68.00 sec/qt

8.78 in<sup>3</sup>

Recovery Information

Recovery Table

Length Description Volume ft 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

Laboratory Name:

Recovery Comments:

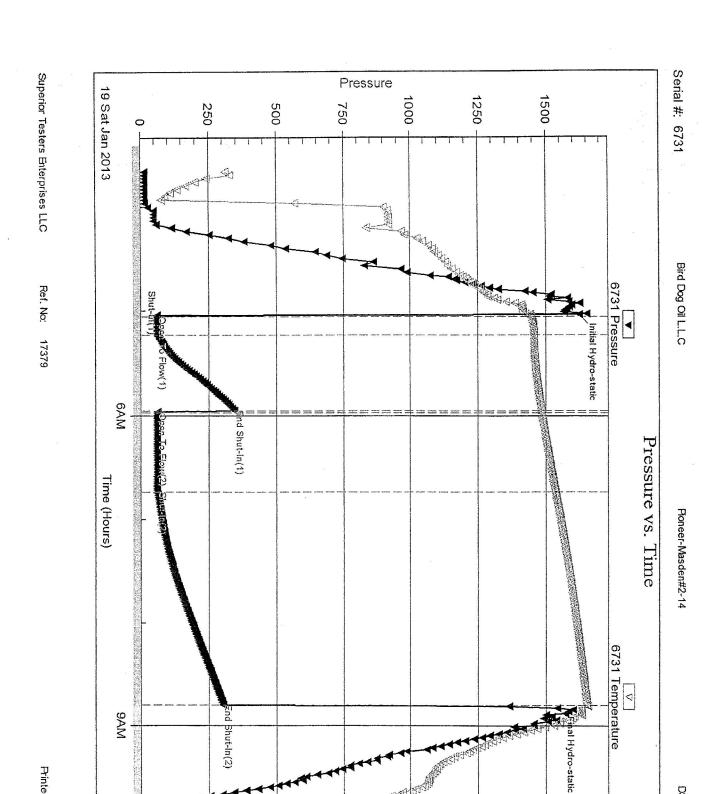
Num Gas Bombs: 0

Laboratory Location:

Serial #:

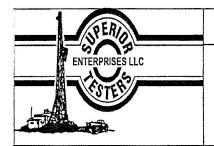
Superior Testers Enterprises LLC

Ref. No: 17379



DST Test Number: 5

Temperature



Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Job Ticket: 17380

Pioneer-Masden#2-14

DST#: 6

ATTN: Derek Patterson

Test Start: 2013.01.19 @ 17:51:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 19:15:30

Time Test Ended: 00:11:00

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Tester:

Unit No:

Test Type: Conventional Bottom Hole (Initial)

3320-Great Bend-45

Jarefd Scheck

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 GR/CF:

8.00 ft

Serial #: 6731

Press@RunDepth:

77.66 psia @

ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time:

2013.01.19 17:52:00 End Date: End Time:

2013.01.20 00:11:00 Last Calib.: Time On Btm; 2013.01.20

Time Off Btm:

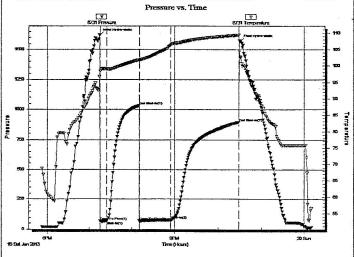
2013.01.19 @ 19:14:30 2013.01.19 @ 22:30:30

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



	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	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)
Ten.	57	68.86	101.75	Open To Flow (2)
Temperatur	100	77.66	106.43	Shut-ln(2)
ž	194	893.44	109.44	End Shut-In(2)
	196	1570.41	102.77	Final Hydro-static
			et.	

PRESSURE SUMMARY

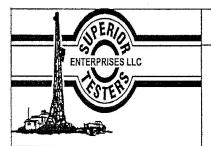
R	e	С	O,	ve	ry

Description	Volume (bbl)
mud cut oil 40%oil 60%mud	0.14
gas in pipe	2.52
	mud cut oil 40%oil 60%mud

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

Superior Testers Enterprises LLC

Ref. No: 17380



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 Time Tool Opened: 19:15:30

Time Test Ended: 00:11:00

Whipstock:

ft (KB)

Tester:

Test Type: Conventional Bottom Hole (Initial)

Jarefd Scheck

Unit No:

3320-Great Bend-45

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

Interval: Total Depth: Hole Diameter:

Reference Elevations:

1757.00 ft (KB)

3288.00 ft (KB) (TVD)

1749.00 ft (CF)

7.88 inches Hole Condition: Fair

KB to GR/CF:

8.00 ft

Serial #: 8159

Press@RunDepth:

894.65 psia @

ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time:

2013.01.19 17:52:00

End Date: End Time: 2013.01.20 Last Calib.:

00:11:00

2013.01.20

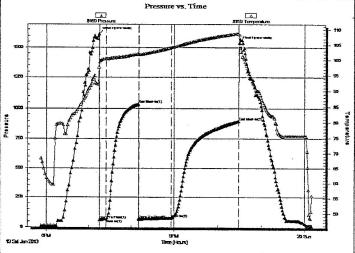
Time On Btm: Time Off Btm: 2013.01.19 @ 19:14:30 2013.01.19 @ 22:29:30

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

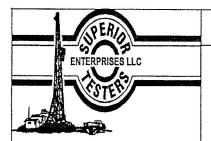


	PRESSURE SUMMARY			
	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1616.10	97.81	Initial Hydro-static
	1	64.92	99.40	Open To Flow (1)
	11	66.64	100.45	Shut-ln(1)
	56	1033.53	102.07	End Shut-In(1)
1	57	67.67	101.82	Open To Flow (2)
Temperature	102	77.07	104.15	Shut-In(2)
	194	894.65	108.84	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 Rate (Mcf/d)

Ref. No: 17380



**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

String Weight: Initial 42000.00 lb

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Length:

Length: 3196.00 ft Diameter:

0.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 0.00 inches Volume:

Total Volume:

44.83 bbl 0.00 bbl 1dd 00.0

44.83 bbl

Tool Weight:

1000.00 lb

Weight to Pull Loose: 55000.00 lb

Weight set on Packer: 20000.00 lb

Tool Chased

0.00 ft

Final 44000.00 lb

8.00 ft 3216.00 ft

Depth to Top Packer: Depth to Bottom Packer:

Drill Pipe Above KB:

ft Interval between Packers: 72.00 ft

Tool Length:

100.00 ft 2 Diameter:

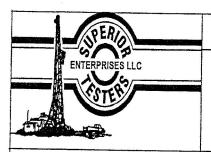
6.75 inches

Number of Packers: Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3193.00		
Hydrolic 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	0 13834.00		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 Table and the	. 400.00					

Total Tool Length:

100.00



**FLUID SUMMARY** 

deg API

ppm

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

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

Viscosity:

Water Loss:

Resistivity:

Salinity:

Filter Cake:

9.00 lb/gal

68.00 sec/qt

8.78 in<sup>3</sup> ohm.m

10200.00 ppm 1.00 inches Cushion Type:

Cushion Length;

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psia

# 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

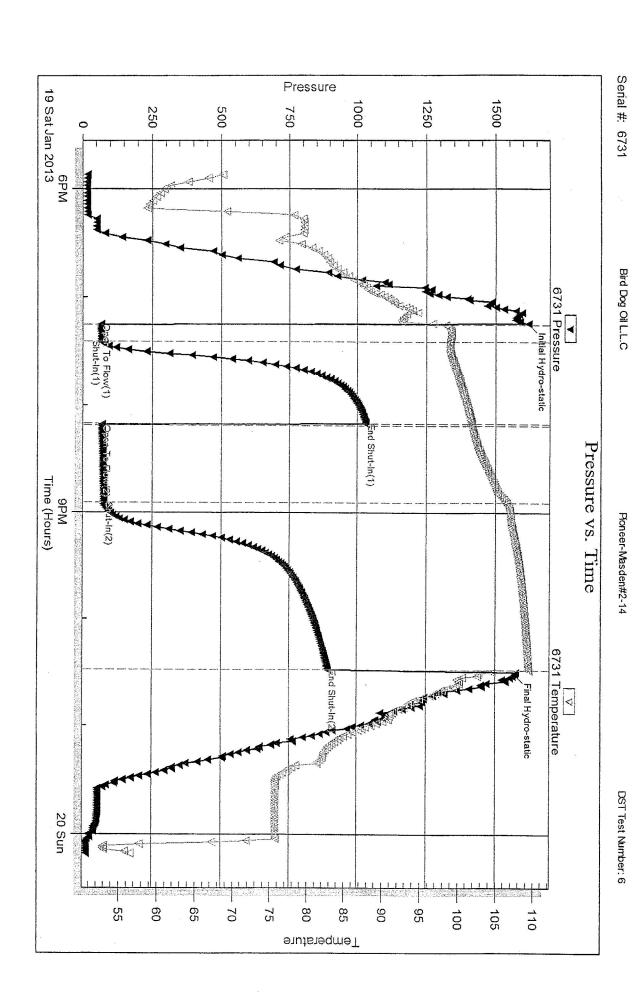
Laboratory Name:

Num Gas Bombs: Laboratory Location:

Serial #:

Recovery Comments:

Ref. No: 17380



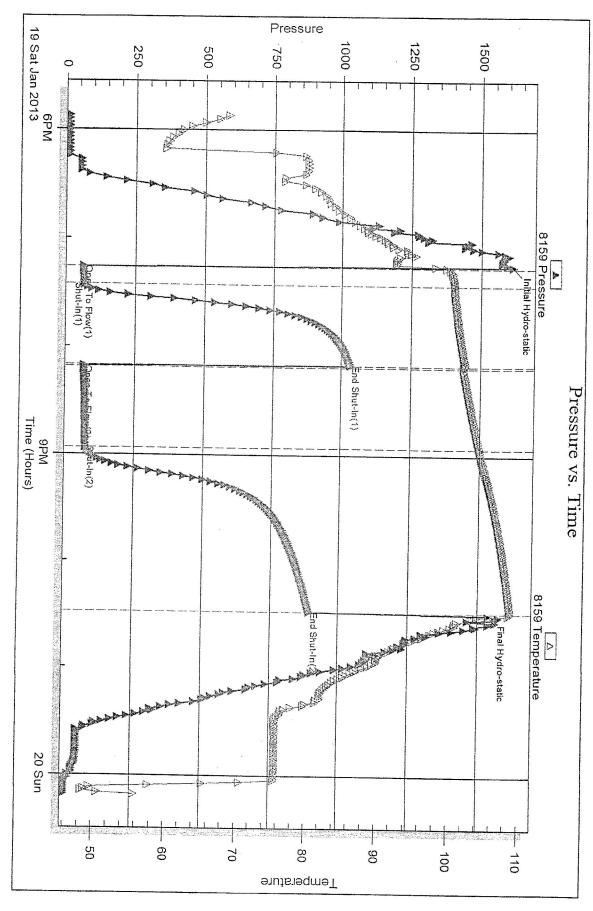
Superior Testers Enterprises LLC

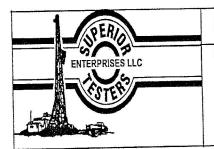
Ref. No:

17380

Bird Dog Oil L.L.C

Serial #: 8159





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

Test Start: 2013.01.20 @ 06:15:00

### GENERAL INFORMATION:

Time Test Ended: 13:34:30

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

ATTN: Derek Patterson

Time Tool Opened: 08:07:30

Tester:

Test Type: Conventional Bottom Hole (Initial)

Jared Scheck

Unit No:

3320-Great Bend-45

1757.00 ft (KB)

Reference Elevations:

1749.00 ft (CF)

KB to GR/CF:

8.00 ft

Interval: Total Depth: 3288.00 ft (KB) To 3295.00 ft (KB) (TVD)

3295.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Serial #: 6731

Press@RunDepth:

214.97 psia @

ft (KB)

2013.01.20

Capacity:

5000.00 psia

Start Date:

2013.01.20

End Date:

Last Calib.:

2013.01.20

2013.01.20 @ 08:06:30

Start Time:

06:16:00

End Time:

13:34:30

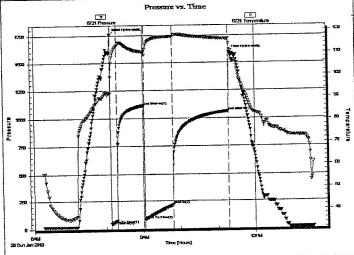
Time On Btm: Time Off Btm: 2013.01.20 @ 11:18:30

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	Pressure	Temp	Annotation			
	(Min.)	(psia)	(deg F)				
•	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)			
1	55	1112.50	110.19	End Shut-In(1)			
<b>=</b>	56	81.79	108.84	Open To Flow (2)			
Temperatur	102	214.97	117.28	Shut-In(2)			
, Ş	191	1060.57	116.00	End Shut-In(2)			
0	192	1593.59	113.79	Final Hydro-static			
0							
0							

#### 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

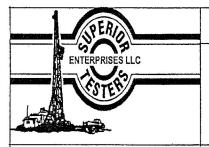
Gas Rates

Choke (inches) | Pressure (psia)

Gas Rate (Mcf/d)

Superior Testers Enterprises LLC

Ref. No: 17381



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

#### GENERAL INFORMATION:

Time Tool Opened: 08:07:30

Time Test Ended: 13:34:30

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Jared Scheck

Unit No:

3320-Great Bend-45

Interval: Total Depth:

Hole Diameter:

3288.00 ft (KB) To 3295.00 ft (KB) (TVD)

3295.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Reference Elevations:

1757.00 ft (KB)

KB to GR/CF:

1749.00 ft (CF) 8.00 ft

Serial #: 8159

Press@RunDepth:

1062.25 psia @

2013.01.20

ft (KB)

2013.01.20

Capacity: Last Calib.: 5000.00 psia

Start Date: Start Time:

06:16:00

End Date: End Time:

13:34:30

Time On Btm:

2013.01.20 2013.01.20 @ 08:06:00

Time Off Btm:

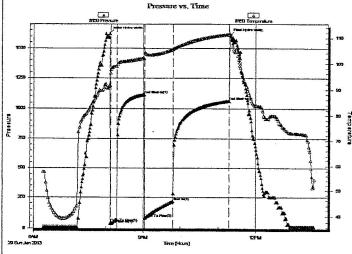
2013.01.20 @ 11:18:30

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



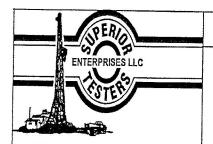
	PRESSURE SUMMARY						
1	Time	Pressure	Temp	Annotation			
	(Min.)	(psia)	(deg F)				
	0	1624.24	91.97	Initial Hydro-static			
	1	41.65	96.33	Open To Flow (1)			
	12	72.24	98.84	Shut-In(1)			
	56	1115.50	102.12	End Shut-In(1)			
1	57	80.73	104.39	Open To Flow (2)			
Tamb statut	102	215.42	105.56	Shut-In(2)			
-	192	1062.25	111.44	End Shut-In(2)			
	193	1606.27	112.01	Final Hydro-static			

#### Recovery

Length (ft)	Description	Volume (bbi)
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	Kates	S

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



TOOL DIAGRAN

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

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Length: 3291.00 ft Diameter: Length:

31.00 ft

ft

3288.00 ft

0.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 46.16 bbl 0.00 inches Volume: 0.00 inches Volume:

Total Volume:

1dd 00.0 0.00 bbl 46.16 bbl Tool Weight:

1000.00 lb

Weight set on Packer: 20000.00 lb Weight to Pull Loose: 55000.00 lb

Tool Chased

0.00 ft

String Weight: Initial 42000.00 lb

Final 44000.00 lb

Drill Pipe Above KB:

Depth to Top Packer:

Depth to Bottom Packer: Interval between Packers:

Tool Length:

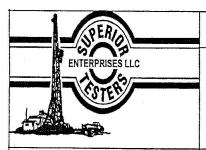
Number of Packers:

7.00 ft 35.00 ft

2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum, Lengths	
Shut-In Tool	5.00			3265.00		
Hydrolic 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	20.00	Bottom Or Top Packer
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				1.00	DOMONT FACKETS & ANCHOR



**FLUID SUMMARY** 

deg API

ppm

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadw ay 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

Oil API:

Water Salinity:

Printed: 2013.01.21 @ 16:21:32

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: Viscosity:

Water Loss:

Resistivity:

Salinity: Filter Cake:

ohm.m 10200.00 ppm 1.00 inches

9.00 lb/gal

68.00 sec/qt

8.79 in<sup>3</sup>

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type: Gas Cushion Pressure:

ft

bbl

psia

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

Ref. No: 17381

Total Volume:

7.575 bbl

Num Fluid Samples: 0

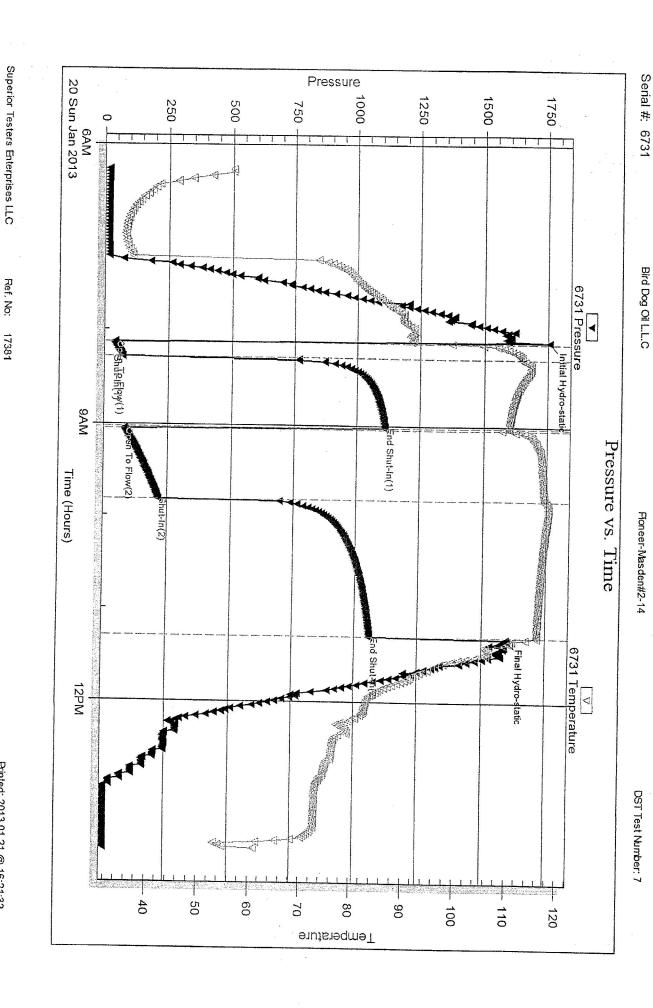
Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity oil 44



Ref. No: 17381



Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadw ay Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17382

DST#: 8

ATTN: Derek Patterson

Test Start: 2013.01.20 @ 20:51:00

#### GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 22:35:00

Time Test Ended: 03:58:30

Tester:

Jared Scheck 3320-Great Bend -45

Interval:

3295.00 ft (KB) To 3205.00 ft (KB) (TVD)

Unit No:

Total Depth:

Reference Elevations:

1757.00 ft (KB) 1749.00 ft (CF)

Hole Diameter:

3305.00 ft (KB) (TVD)

7.88 inchesHole Condition: Poor

KB to GR/CF:

8.00 ft

Serial #: 6731 Press@RunDepth:

Inside

293.84 psia @ 3301.00 ft (KB)

Capacity:

5000.00 psia

Start Date:

2013.01.20

End Date:

2013.01.21 Last Calib .:

Start Time:

20:52:00

End Time:

03:58:30

Time On Btm:

2013.01.21

Time Off Btm:

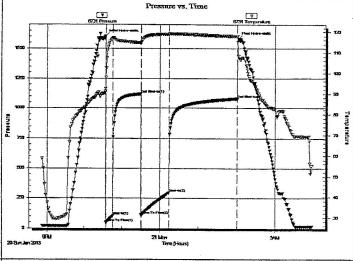
2013.01.20 @ 22:34:00 2013.01.21 @ 02:02:30

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



		RE SUMMARY		
	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
٥.	0	1601.66	91.13	Initial Hydro-static
	1	47.75	97.79	Open To Flow (1)
	12	103.49	117.04	Shut-ln(1)
	56	1120.10	114.84	End Shut-In(1)
a d	57	111.20	115.09	Open To Flow (2)
Temperature	101	293.84	118.90	Shut-In(2)
2	207	1079.18	117.91	End Shut-In(2)
	209	1581.27	108.37	Final Hydro-static
2		,		

#### Recovery

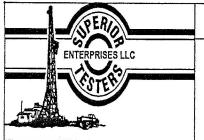
60.00	w ater oil40%w ater 60%oil	
	Water Unat Jow ater 6076011	0.84
120.00	oil cut muddy w ater 40%oil 10%mud 50	%1.68
420.00	w ater 98%w ater 7%mud	5.89
0.00	300 feet gas in pipe	0.00
0.00	chlorides 13,000 resistivity .1 @ 60 deg	0.00

Gas	Rates

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

Superior Testers Enterprises LLC

Ref. No: 17382



Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17382

DST#:8

ATTN: Derek Patterson

ft (KB)

Test Start: 2013.01.20 @ 20:51:00

#### GENERAL INFORMATION:

Time Tool Opened: 22:35:00

Time Test Ended: 03:58:30

Formation:

Arbuckle

Deviated:

Interval:

Total Depth:

No Whipstock:

Test Type: Conventional Bottom Hole (Initial)

Tester:

Jared Scheck

Unit No:

3320-Great Bend -45

3295.00 ft (KB) To 3205.00 ft (KB) (TVD)

3305.00 ft (KB) (TVD)

Reference Elevations:

1757.00 ft (KB)

1749.00 ft (CF)

KB to GR/CF:

8.00 ft

Hole Diameter:

7.88 inches Hole Condition: Poor

Serial #: 8159

Outside Press@RunDepth:

1080.97 psia @

2013.01.20

End Date:

3302.00 ft (KB)

2013.01.21

Capacity:

5000.00 psia

Start Date: Start Time:

20:52:00

End Time:

03:59:00

Last Calib.:

2013.01.21

Time On Btm: Time Off Btm:

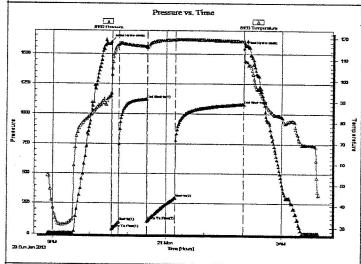
2013.01.20 @ 22:34:00 2013.01.21 @ 02:01:30

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



PF	RESSU	JRE	SL	AMML	RY

Time	Pressure	Temp	Annotation	
(Min.)	(psia)	(deg F)		
0	1599.77	93.93	Initial Hydro-static	
1	45.66	102.96	Open To Flow (1)	
12	102.58	117.33	Shut-In(1)	
56	1123.07	116.14	End Shut-In(1)	
57	109.78	115.76	Open To Flow (2)	
101	296.09	119.18	Shut-In(2)	
207	1080.97	118.74	End Shut-In(2)	
208	1547.38	118.92	Final Hydro-static	

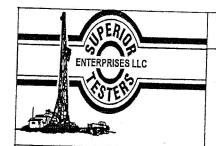
### Recovery

Description	Volume (bbl)
w ater oil40%w ater 60%oil	0.84
oil cut muddy w ater 40%oil 10%mud 50	%1.68
w ater 98%w ater 7%mud	5.89
300 feet gas in pipe	0.00
chlorides 13,000 resistivity .1 @ 60 deg	0.00
Smortdes 10,000 resistivity . r @ 00 deg	
	w ater oil40%w ater 60%oil oil cut muddy w ater 40%oil 10%mud 50 w ater 98%w ater 7%mud

#### Gas Rates

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

Ref. No: 17382



TOOL DIAGRAN

Bird Dog Oil L.L.C

14-19s-10w Rice

1801 Broadway Ste #450 Denver CO 80202

Pioneer-Masden#2-14

Job Ticket: 17382

DST#:8

ATTN: Derek Patterson

Test Start: 2013.01.20 @ 20:51:00

Printed: 2013.01.21 @ 16:21:47

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Tool Length:

Length:

Length: 3290.00 ft Diameter:

0.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 0.00 inches Volume:

46.15 bbl 0.00 bbl 0.00 bbl Total Volume: 46.15 bbl

Tool Weight: Weight set on Packer: 20000.00 lb

1000.00 lb

Weight to Pull Loose: 60000.00 lb

Tool Chased

3.00 ft

String Weight: Initial 42000.00 lb

Final 45000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

Number of Packers:

Depth to Bottom Packer:

23.00 ft 3295.00 ft

> ft 10.00 ft

Interval between Packers:

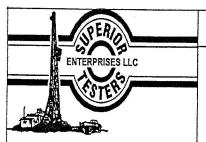
38.00 ft 2

Diameter:

6.75 inches

Tool Comments: ruined packer

Tool Descri	ption	Length (ft)	Serial No.	Position	Depth (ft)	Aggum I	
Shut-In Tool		5.00				Accum. Lengths	
Hydrolic Tool		5.00			3272.00		
Jars		6.00			3277.00		
Safety Joint					3283.00		
Packer		2.00			3285.00		
		5.00	- 100		3290.00	28.00	Day of the second
Packer		5.00			3295.00	20,00	Bottom Of Top Packer
Anchor		5.00			3300.00		
Recorder		1.00	6731	Inside			
Recorder		1.00	8159		3301.00		
Bullnose			0139	Outside	3302.00		
	7-1-1	3.00			3305.00	10.00	Bottom Packers & Anchor
	rotal rool Length:	38.00					Solois & Alicilo
	Total Tool Length:				3305.00	10.00	Bottom Packers & Anchor



**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: 17382

**DST#:8** 

ATTN: Derek Patterson

Test Start: 2013.01.20 @ 20:51:00

# Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: Viscosity:

9.00 lb/gal 51.00 sec/qt

Cushion Length: Cushion Volume:

ft

Water Loss:

9.18 in<sup>3</sup>

Water Salinity:

ppm

Resistivity:

ohm.m

Gas Cushion Type: Gas Cushion Pressure: bbl psia

Salinity:

10500.00 ppm Filter Cake:

1.00 inches

### Recovery Information

### Recovery Table

Length ft		Description	Volume bbi	
	60.00	w ater oil40%w ater 60%oil	0.842	
	120.00	oil cut muddy w ater 40%oil 10%mud 50%w at	1.683	
	420.00	w ater 98%w ater 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

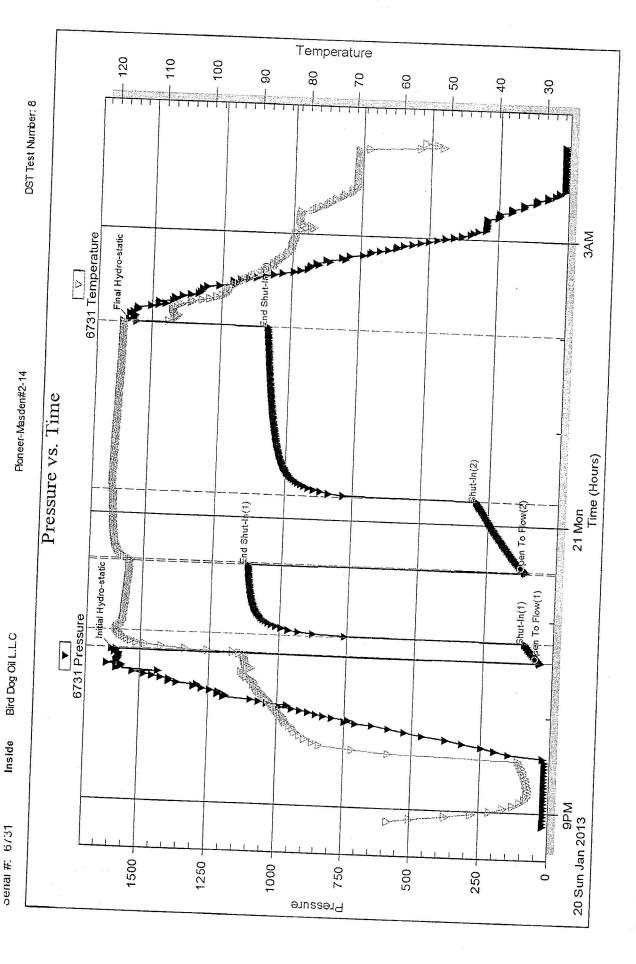
Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

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



Printed: 2013.01.21 @ 16:21:48

Superior Testers Enterprises LLC

Ref. No: 17382