

Kansas Corporation Commission Oil & Gas Conservation Division

152280

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
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	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 #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date 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



Operator Name:				Lease l	Name: _			_Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: She time tool open and clo recovery, and flow rate line Logs surveyed. A	sed, flowing and shues if gas to surface to	t-in pressures st, along with	s, whether s final chart(s	hut-in press	sure read	ched static level,	hydrostatic press	sures, bottom h	nole temp	erature, fluid
Drill Stem Tests Taken (Attach Additional S		Yes	☐ No			og Formatio	n (Top), Depth ar	nd Datum	;	Sample
Samples Sent to Geol	ogical Survey	Yes	No		Nam	е		Тор	[Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy		Yes Yes Yes	No No No							
List All E. Logs Run:										
		Report a		RECORD	Ne	w Used	on, etc.			
Purpose of String	Size Hole Drilled	Size C Set (In		Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
		Δ	ADDITIONAL	CEMENTIN	NG / SQL	 EEZE RECORD				
Purpose:	Depth	Type of (# Sacks			Type and F	Percent Additives		
Perforate Protect Casing	Top Bottom									
Plug Back TD Plug Off Zone										
1 ldg 011 20110										
Shota Par Foot	PERFORATI	ON RECORD -	- Bridge Plug	s Set/Type		Acid, Fra	cture, Shot, Cemen	t Squeeze Recor	d	
Shots Per Foot	Specify	Footage of Each	h Interval Perf	orated		(Ai	mount and Kind of Ma	aterial Used)		Depth
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or EN	_	roducing Meth	nod:	g 🗌	Gas Lift C	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er B	bls.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:	'	ħ.	METHOD OF	COMPLE	TION:		PRODUCTION	ON INTER	VAI ·
Vented Sold		Oper	n Hole	Perf.	Dually	Comp. Cor	nmingled			
(If vented, Sub		O+b-	or (Specify)		(Submit)	ACO-5) (Sub	mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Bird Dog Oil, LLC
Well Name	Pioneer-Schubert 3-23
Doc ID	1152280

All Electric Logs Run

СРІ	
DIL	
Micro	
DCPL Sonic	
Sonic	

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

785-483-2025

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

No. 6396

Date 3-7-13 Sec. Twp. Range County State Location Claffin Ks - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Ks - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Ks - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 to 5 Rd Location Claffin Rs - Fte 4 th Rd, 5 to 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 th Rd, 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd, 5 Rd Location Claffin Claffin Rs - Fte 4 th Rd Location Claffin R	785-324-1041				National Control	State	On Location	Finish
Jones - Shubert Location Lattin Ks Fto 4 th Rd State	1 1 1 1		Range	Do.	-	Ke		
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Well No. 3-35 Owner 1914 Commenting, inc. Fortractor Southworld #1 To Quality Oliver Cementing, inc. For Quality Oliver Cementing, inc. For Quality Oliver Cementing, inc. For Quality Oliver Cementing equipment and furnish operations to do work as listed. For Quality Oliver Cementing of the property of the proper) invoc - Shih	oct r	~		1 "	1	to TIM INC	U IOU MA
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Time	Contractor Southwic	nd #				t	A companied addinment	and furnish work as listed.
Street State Sta			011-1				45 9	
Tool Depth The above was done to satisfaction and supervision of corner agent or contractor. Cement Left in Csg. 5 Shos Joint 5 Cement Amount Ordered 33.0 SX Common 3 Common		T,D.	345		To C	nia aog	UII	
The above was done to satisfaction and supervision of owner agent or contractor. Cement Left in Csg. Shoe Joint S Cement Amount Ordered 330 SX Common 356(1) Meas Line Displace Di	Csg. $8^{5/\sqrt{11}}$	Depth	<u> 343'</u>		Street			
Cement Left in Csg. 15 Shoe Joint 15 Cement Amount Ordered 330 5x Common 36() Meas Line Displace 2 BS 37 Cs 4 F 5 Se A EQUIPMENT Common 2 E Pumptrix / No. Cementer F 1 Hoper Pool 5 Poz. Mix Bulktrix No. Driver Act A Calcium O JOS SERVICES & REMARKS Huils Remarks 9 App A A A Contralizors Baskets Driver Act A Contralizor Sand Handling 3 20 Mileage FLOAT EQUIPMENT Guide Shoe Latch Down Pumptrk Charge 5 App Act A Tax Discount Discount Total Charge	Tbg. Size	Depth						agent or contractor
Meas Line Displace 2 BC 2000 Miles EQUIPMENT Common 2 5 Poz. Mix Pumptrk 16 No. Cementor 7 CO. 0 S Bulktrik No. Diriver 2 CO. 0 S Bulktrik No. Diriver 3 C. 0 S Bulktrik No. Diriver 4 C. 0 S Bulktrik No. Diriver 6 C. Calcium 0 JOB SERVICES & REMARKS Hulls Remarks 2 C. 2 S Salt Rat Hole Flowseal 1657 Mud CLR 48 Contralizers Baskets CFL-117 or CD110 CAF 38 Baskets D/V or Port Collar Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets Float Shoe Latch Down Pumptrk Charge 5 (4) Fac C C Mileage 3 4 Tax Discount Discount Total Charge	Tool		· poer }				and supervision or owner	20/10
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Remarks: Provided Control Remarks: Provided Rema	Bulktrk D. U. Driver	Rick			8	<u> </u>		
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Handling 320 Wixed 275 5x Common Handling 320 Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge 544 Face Mileage 344 Tax Discount Total Charge	Baskets				CFL-117 o	r CD110 CAF 38		
Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Sur For Ce Mileage S ST Tax Discount Total Charge	D/V or Port Collar					30.0		
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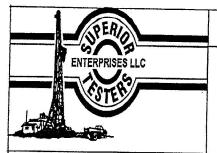
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

ne 785-483-2025 d 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 6400

On Location State Range County 19 10 160 3-23 Well No. Owner, To Quality Oilwell Cementing, Inc. 出 Contractor You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Charge Hole Size T.D. To Depth Csg. Street UK"D Tba. Size Depth City State The above was done to satisfaction and supervision of owner agent or contractor. Tool Depth Cement Amount Ordered Cement Left in Csg. Shoe Joint Sock HZD/MW/ 0-5801 Meas Line Displace **EQUIPMENT** Common No. Cementer Pumptrk Helper Poz. Mix Driver No. Bulktrk 10 Gel. Driver Driver No. Driver Calcium **JOB SERVICES & REMARKS** Hulls Salt Remarks: Flowseal Rat Hole Mouse Hole Kol-Seal Centralizers Mud CLR 48 Baskets CFL-117 or CD110 CAF 38 D/V or Port Collar Sand 355x Handling 5X Mileage **FLOAT EQUIPMENT** Guide Shoe Centralizer Baskets **AFU Inserts** Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount X Signature Total Charge



Bird Dog Oil, LLC

23-19s-10w-Rice

1801 Broadway STE #450 Denver CO, 80202

Pioneer-Schubert Job Ticket: 17556

DST#: 1

ATTN: Adam Kennedy

Test Start: 2013.03.11 @ 12:15:00

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No Whipstock:

ft (KB)

Time Tool Opened: 14:04:30 Time Test Ended: 18:59:30

Test Type: Conventional Bottom Hole (Initial)

Tester:

Shane Konzem

Unit No:

3330- 50/ Great Bend

Reference Bevations:

1746.00 ft (KB)

1736.00 ft (CF)

KB to GR/CF:

10.00 ft

Interval: Total Depth:

Hole Diameter:

3210.00 ft (KB) To 3279.00 ft (KB) (TVD)

3279.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor

Serial #: 8405 Press@RunDepth:

Inside

104.00 psia @

3275.29 ft (KB)

Capacity:

5000.00 psia

Start Date:

2013.03.11

End Date:

2013.03.11

Last Calib .:

2013.03.11

Start Time:

12:15:00

End Time:

18:59:30

Time On Btm:

2013.03.11 @ 13:53:30

Time Off Btm:

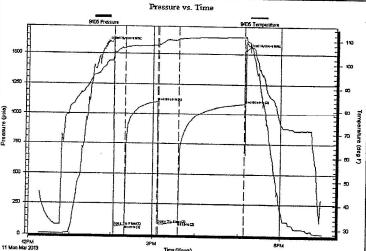
2013.03.11 @ 17:11:00

TEST COMMENT: 1st Open/

1st Shut In/

15 Minutes. Good blow built to bottom of bucket in 14 Minutes. 45 Minutes. Weak surface blow that died off after 7 minutes.

30 Minutes. Good blow built to bottom of bucket in 7 minutes. 2nd Shut In/ 90 Minutes. Weak surface blow that lasted 90 minutes.



PRESSURE SUMMARY									
	Time	Pressure	Temp	Annotation	- d				
	(Min.)	(psia)	(deg F)		3,000				
	0	1572.07	100.22	Initial Hydro-static	money				
	11	66.60	104.49	Open To Flow (1)	CONTRACTOR OF THE PERSON NAMED IN COLUMN TWO				
	27	77.44	106.52	Shut-In(1)	100				
ಕ	73	1106.88	107.86	End Shut-In(1)	- Height				
mpera	74	86.96	107.72	Open To Flow (2)	C Star Comme				
Temperature (deg	103	104.00	110.44	Shut-In(2)	\$ CARGO				
dear	195	1088.14	111.36	End Shut-In(2)	All the Constitution				
_	198	1525.75	111.49	Final Hydro-static	17.10				
					Application of the				
					Schwert, W				
					Compare Service				
1		1			Section Sec				
					et some				
- 1	f				- 5				

Recovery

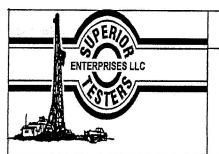
Length (ft)	Description	Volume (bbi)
0.00	992 feet of gass odor	0.00
30.00	Clean Oil	0.42
90.00	Oil cut Mud	1.26
0.00	30% Oil. 70% Mud	0.00
		17 / L

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

Superior Testers Enterprises LLC

Ref. No: 17556

Printed: 2013.03.11 @ 07:35:55



Bird Dog Oil, LLC

23-19s-10w-Rice

1801 Broadway STE#450

Denver CO, 80202

Pioneer-Schubert Job Ticket: 17556

DST#:1

ATTN: Adam Kennedy

Test Start: 2013.03.11 @ 12:15:00

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No Whipstock:

Test Type:

Conventional Bottom Hole (Initial)

ft (KB)

Tester:

Shane Konzem

Unit No:

3330- 50/ Great Bend

Interval:

Time Tool Opened: 14:04:30

Time Test Ended: 18:59:30

3210.00 ft (KB) To 3279.00 ft (KB) (TVD)

Reference Bevations:

1746.00 ft (KB)

Total Depth:

3279.00 ft (KB) (TVD)

1736.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Poor

KB to GR/CF:

10.00 ft

Serial #: 8400 Press@RunDepth:

Outside

1088.00 psia @

3276.29 ft (KB)

Capacity: Last Calib .: 5000.00 psia

Start Date: Start Time: 2013.03.11 12:15:00 End Date: End Time:

2013.03.11 18:59:30

Time On Btm:

2013.03.11

Time Off Btm:

2013.03.11 @ 13:54:00 2013.03.11 @ 17:11:30

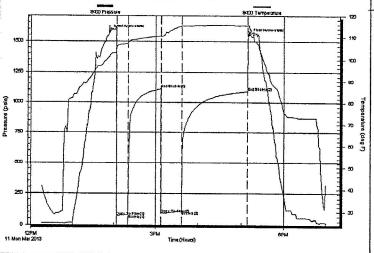
TEST COMMENT: 1st Open/

15 Minutes. Good blow built to bottom of bucket in 14 Minutes.

45 Minutes. Weak surface blow that died off after 7 minutes. 30 Minutes. Good blow built to bottom of bucket in 7 minutes.

1st Shut In/ 2nd Open/

2nd Shut In/ 90 Minutes. Weak surface blow that lasted 90 minutes.



Pressure vs. Time

	PRESSURE SUMMARY									
•	Time	Pressure	Temp	Annotation						
	(Min.)	(psia)	(deg F)							
	0	1574.04	102.12	Initial Hydro-static						
	11	67.84	105.79	Open To Flow (1)						
	27	80.96	107.27	Shut-in(1)						
3	73	1106.50	110.68	End Shut-In(1)						
Temperature (deg F)	74	87.94	110.22	Open To Flow (2)						
ature	103	108.12	115.16	Shut-In(2)						
(deg F	195	1088.00	115.47	End Shut-In(2)						
J	198	1546.35	114.06	Final Hydro-static						
				,						

Recovery

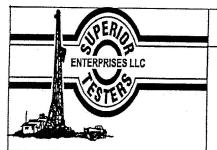
Length (ft)	Description	Volume (bbl)
0.00	992 feet of gass odor	0.00
30.00	Clean Oil	0.42
90.00	Oil cut Mud	1.26
0.00	30% Oil. 70% Mud	0.00

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

Superior Testers Enterprises LLC

Ref. No: 17556

Printed: 2013.03.11 @ 07:35:55



TOOL DIAGRAM

Bird Dog Oil, LLC

23-19s-10w-Rice

1801 Broadw ay STE #450 Denver CO, 80202

Pioneer-Schubert

Job Ticket: 17556

DST#:1

ATTN: Adam Kennedy

Test Start: 2013.03.11 @ 12:15:00

Final

Printed: 2013.03.11 @ 07:35:55

Tool Information

Drill Pipe Above KB:

Drill Pipe:

Drill Collar:

Heavy Wt. Pipe: Length:

Length:

Length: 3185.00 ft Diameter: 0.00 ft Diameter: 0.00 ft Diameter:

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

Total Volume:

44.68 bbl 0.00 bbl 0.00 bbl

44.68 bbl

Tool Weight:

2000.00 lb Weight set on Packer: 20000.00 lb

Tool Chased

Weight to Pull Loose: 46000.00 lb 2.00 ft

String Weight: Initial 24000.00 lb

26000.00 lb

Depth to Top Packer: 3210.00 ft Depth to Bottom Packer:

Interval between Packers:

ft 69.29 ft

3.00 ft

97.29 ft

2 Diameter:

6.75 inches

Tool Comments:

Number of Packers:

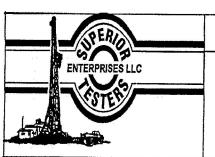
Tool Length:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
SHut-InTool	5.00		Inside	3187.00		
Hydrolic Tool	5.00			3192.00		
Jars	6.00			3198.00		
Safety Joint	2.00			3200.00		
Packer	5.00			3205.00	28.00	Bottom Of Top Packer
Packer	5.00		- Charles	3210.00		Bottom Of Top Lacket
Anchor	5.00			3215.00		
Change Over Sub	0.75			3215.75		
Drill Pipe	32.79		Outside	3248.54		#L
Change Over Sub	0.75		Outside	3249.29		
Anchor	25.00	e	Catalac	3274.29		
Recorder	1.00	8405	Inside	3275.29		
Recorder	1.00	8400	Outside	3276.29		
Bullnose	3.00		2010100	3279.29	69.29	Bottom Packers & Anchor
Total Tool Length	. 07.20	······································				DOMONTI GONGIS & ATICITO

Total Tool Length:

97.29

Ref. No: 17556



FLUID SUMMARY

deg API

ppm

Bird Dog Oil, LLC

23-19s-10w-Rice

1801 Broadway STE #450 Denver CO, 80202

Pioneer-Schubert

Job Ticket: 17556

DST#:1

ATTN: Adam Kennedy

Test Start: 2013.03.11 @ 12:15:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity:

46.00 sec/qt 7.99 in³

Water Loss: Resistivity:

ohm.m 7000.00 ppm

Salinity: Filter Cake:

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
0.00	992 feet of gass odor	0.000
30.00	Clean Oil	0.421
90.00	Oil cut Mud	1,262
0.00	30% Oil. 70% Mud	0.000

Total Length:

120.00 ft

Total Volume:

1.683 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

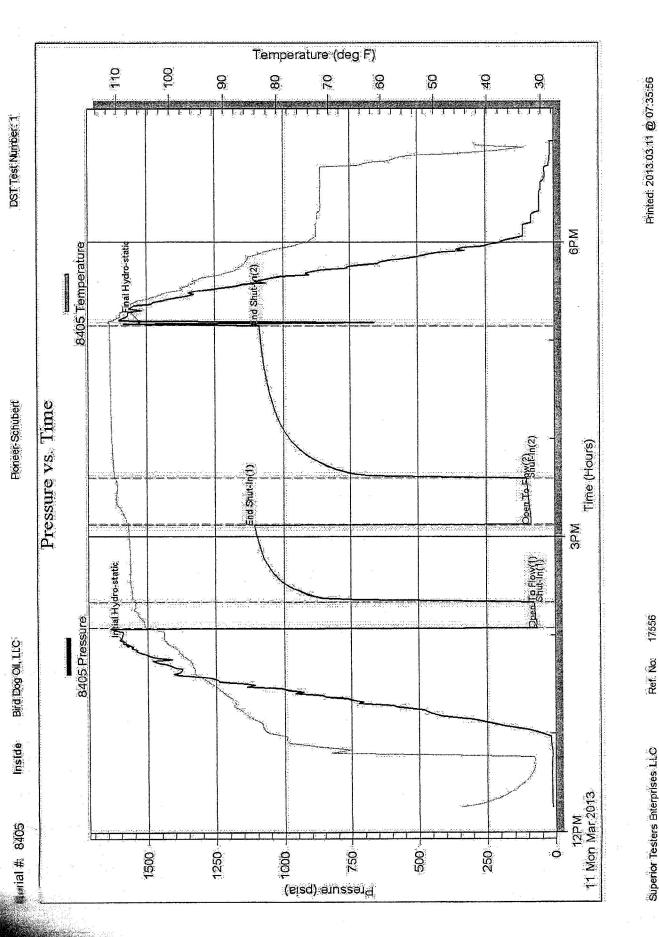
Laboratory Location:

Recovery Comments:

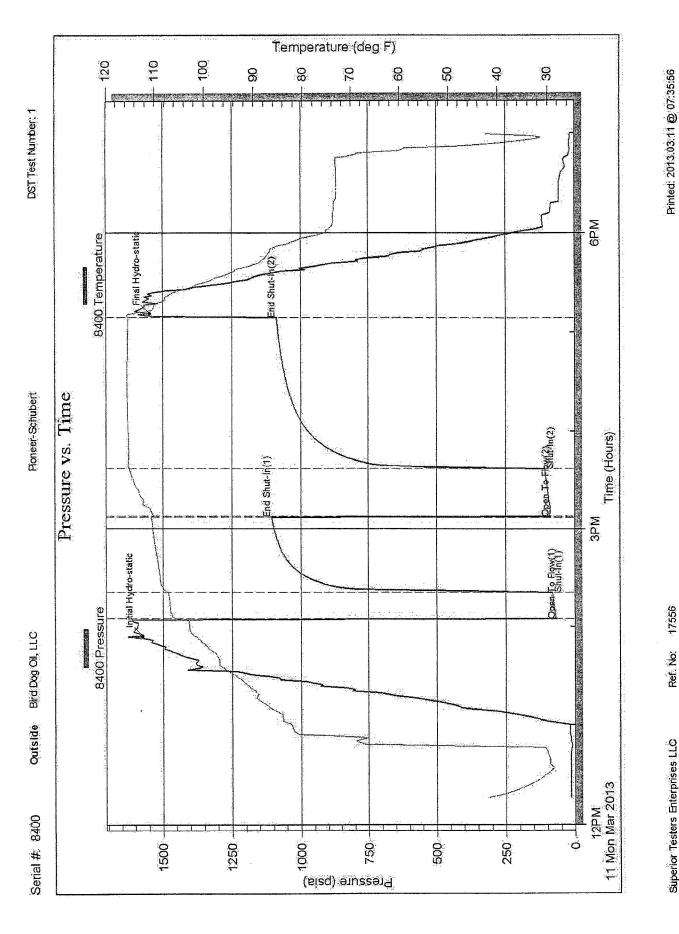
Superior Testers Enterprises LLC

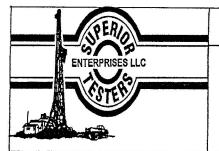
Ref. No: 17556

Printed: 2013.03.11 @ 07:35:55



Pinted: 2013:03.11 @ 07:35:56





Bird Dog Oil, LLC

1801 Broadway STE #450 Denver CO, 80202

ATTN: Adam Kennedy

23-19s-10w-Rice

Pioneer-Schubert

Job Ticket: 17557

DST#:2

Test Start: 2013.03.11 @ 03:05:00

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

Interval:

Whipstock: No

ft (KB)

Time Tool Opened: 04:15:00 Time Test Ended: 06:24:00

3279.00 ft (KB) To 3291.00 ft (KB) (TVD)

Total Depth:

3291.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester:

Shane Konzem

Unit No:

3330-50/ Great Bend

Reference Bevations:

1746.00 ft (KB)

1736.00 ft (CF)

KB to GR/CF:

10.00 ft

Serial #: 8405

Press@RunDepth:

Inside

1214.76 psia @

3287.00 ft (KB)

2013.03.11

Capacity:

5000.00 psia

Start Date: Start Time: 2013.03.11 03:05:00 End Date: End Time:

06:24:00

Last Calib .: Time On Btm: 2013.03.11

Time Off Btm:

2013.03.11 @ 04:07:30 2013.03.11 @ 05:18:30

TEST COMMENT: 1st Open.

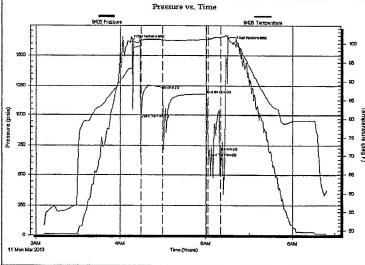
15 Minutes. Weak surface blow.

1st Shut In.

30 Minutes, No blow back,

10 Minutes. Weak surface blow. Performed flush with no improvement.

2nd Shut In. Pulled tool out of hole at 2nd Open per Adam Kennedy.



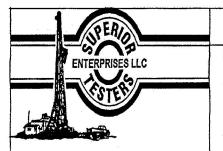
		PI	RESSUF	E SUMMARY	
	Time	Pressure	Temp	Annotation	
103	(Min.)	(psia)	(deg F)		
5	0	1605.71	93.41	Initial Hydro-static	
	8	973.25	100.85	Open To Flow (1)	
,	23	1214.76	100.97	Shut-In(1)	
; 	53	1179.38	101.12	End Shut-In(1)	
mpe	54	649.98	101.12	Open To Flow (2)	
sture	63	699.46	101.64	Shut-In(2)	
Temperature (deg F)	71	1597.03	101.55	Final Hydro-static	
,					
1					
			1		

Recovery

Length (ft)	Description	Volume (bbl)		
70.00	100% mud	0.98		
		·		

Gas Rates

ı	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
4			



Bird Dog Oil, LLC

23-19s-10w-Rice

Pioneer-Schubert

1801 Broadw ay STE #450 Denver CO, 80202

Job Ticket: 17557

DST#:2

ATTN: Adam Kennedy Test Start: 2013.03.11 @ 03:05:00

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

Whipstock: No

ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Time Tool Opened: 04:15:00 Time Test Ended: 06:24:00

Shane Konzem

Interval:

3279.00 ft (KB) To 3291.00 ft (KB) (TVD)

Tester: Unit No:

3330-50/ Great Bend

Total Depth:

Reference Bevations:

1746.00 ft (KB)

3291.00 ft (KB) (TVD)

1736.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Poor

KB to GR/CF:

10.00 ft

Serial #: 8400

Press@RunDepth:

Outside

1179.92 psia @ 3288.00 ft (KB)

Capacity:

psia

Start Date:

2013.03.11

End Date:

2013.03.11

Last Calib .:

1899.12.30

Start Time:

03:05:00

End Time:

06:23:30

Time On Btm:

2013.03.11 @ 04:08:00

Time Off Btm:

2013.03.11 @ 05:15:00

TEST COMMENT: 1st Open.

15 Minutes. Weak surface blow.

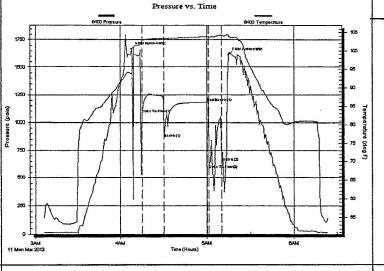
1st Shut In.

30 Minutes. No blow back.

2nd Open.

10 Minutes. Weak surface blow. Performed flush with no improvement.

2nd Shut In. Pulled tool out of hole at 2nd Open per Adam Kennedy.



PRESSURE SUMMARY Time Pressure Temp Annotation (Min.) (psia) (deg F) 0 1664.80 Initial Hydro-static 93.78 1078.78 8 102.83 Open To Flow (1) 23 860.15 103.28 Shut-In(1) 53 1179.92 103.91 End Shut-In(1) 54 576.55 103.78 Open To Flow (2) 62 646.17 104.16 Shut-In(2) 67 1612.60 Final Hydro-static 104.11

Gas Rates

Recovery Description Volume (bbl) Length (ft) 100% mud 0.98 70.00

		· · · · · · · · · · · · · · · · · · ·	
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
- 1		1	

Superior Testers Enterprises LLC

Ref. No: 17557

Printed: 2013.03.11 @ 18:48:38



TOOL DIAGRAM

Bird Dog Oil, LLC

23-19s-10w-Rice

1801 Broadw ay STE #450 Denver CO, 80202

Pioneer-Schubert Job Ticket: 17557

DST#:2

ATTN: Adam Kennedy

Test Start: 2013.03.11 @ 03:05:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3283.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 46.05 bbl ldd 00.0 0.00 bbl Tool Weight:

2000.00 lb

Drill Collar:

Length:

0.00 ft Diameter: 0.00 ft Diameter:

0.00 inches Volume: Total Volume: 46.05 bbl Weight to Pull Loose:

Weight set on Packer: 20000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

32.00 ft 3279.00 ft Tool Chased String Weight: Initial ft lb

Depth to Bottom Packer: Interval between Packers:

ft 12.00 ft

40.00 ft

Final

Number of Packers:

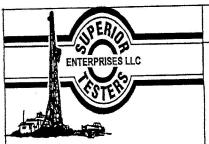
2 Diameter:

6.75 inches

Tool Comments:

Tool Length:

Tool Descript	ion Len	gth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	Š
SHut-InTool		5.00		Inside	3256.00		
Hydrolic Tool		5.00			3261.00		,
Jars		6.00			3267.00		
Safety Joint		2.00			3269.00		
Packer		5.00			3274.00	28.00	Bottom Of Top Packer
Packer		5.00			3279.00		
Anchor		7.00			3286.00		
Recorder	×	1.00	8405	Inside	3287.00		
Recorder		1.00	8400	Outside	3288.00		
Bullnose		3.00			3291.00	12.00	Bottom Packers & Anchor
	Total Tool Length:	40.00)			**	



FLUID SUMMARY

Bird Dog Oil, LLC

23-19s-10w-Rice

1801 Broadw ay STE #450 Denver CO, 80202

Pioneer-Schubert Job Ticket: 17557

DST#:2

ATTN: Adam Kennedy

Test Start: 2013.03.11 @ 03:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal 52.00 sec/qt Viscosity:

Water Loss:

Resistivity:

Salinity: Filter Cake:

6500.00 ppm 1.00 inches

7.98 in³

ohm.m

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API ppm

Printed: 2013.03.11 @ 18:48:38

psia

ft

bbl

Recovery Information

Recovery Table

Γ	Length ft	Description	Volume bbl
70.00 100		100% mud	0.982

Total Length:

70.00 ft

Ref. No: 17557

Total Volume:

0.982 bbl

Num Fluid Samples: 0

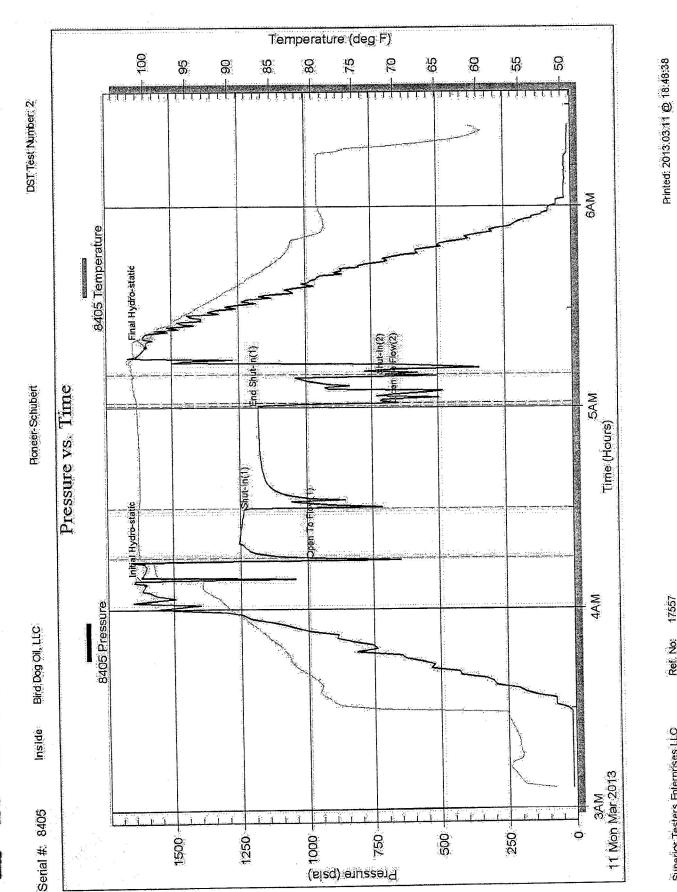
Num Gas Bombs:

Serial #:

Laboratory Name:

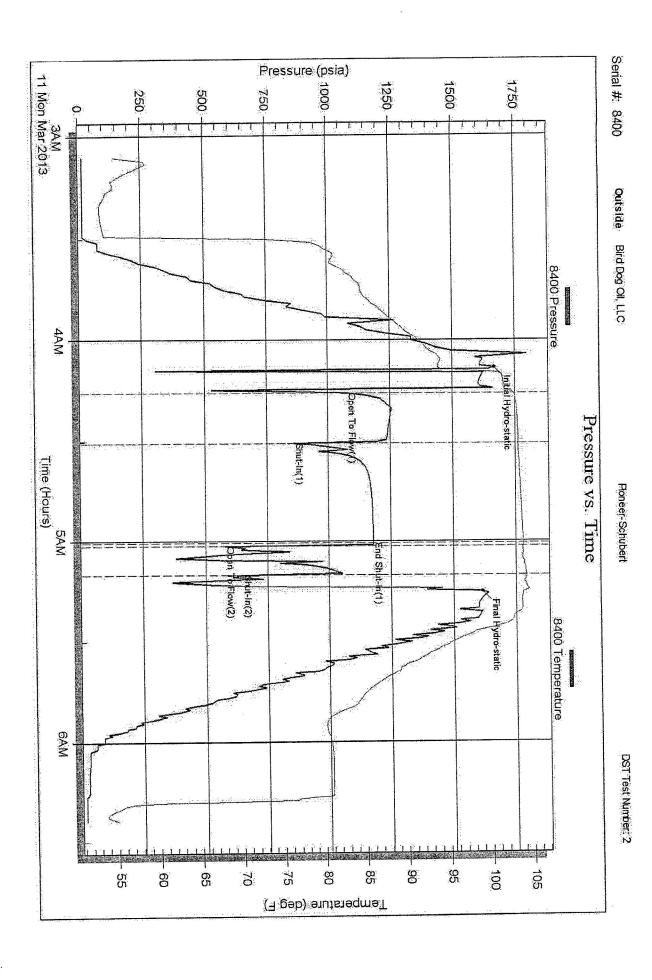
Recovery Comments:

Laboratory Location:



Pressure (psia)

Superior Testers Enterprises LLO

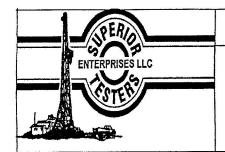


Superior Testers Enterprises LLO

Ref. No:

17557

Finled: 2013:03:11 @ 18:48:39



Bird Dog Oil, LLC

23-19s-10w-Rice

Pioneer-Schubert

1801 Broadway STE #450 Denver CO, 80202

Job Ticket: 17558

DST#:3

ATTN: Adam Kennedy

Test Start: 2013.03.12 @ 11:15:00

GENERAL INFORMATION:

Time Tool Opened: 12:33:30

Time Test Ended: 16:52:30

Formation:

Arbuckle

Deviated:

No

Whipstock:

ft (KB)

Tester:

Test Type: Conventional Bottom Hole (Initial)

Shane Konzem

Unit No:

3330-50/ Great Bend

Interval:

3279.00 ft (KB) To 3291.00 ft (KB) (TVD)

Reference Bevations:

1746.00 ft (KB)

Total Depth:

3291.00 ft (KB) (TVD)

1736.00 ft (CF)

Hole Diameter:

7.88 inchesHole Condition: Poor

KB to GR/CF:

10.00 ft

Serial #: 8405 Press@RunDepth: Inside

68.98 psia @ 2013.03.12

3287.00 ft (KB) End Date:

2013.03.12

Capacity: Last Calib.: 5000.00 psia

Start Date: Start Time:

11:15:00

End Time:

16:52:30

Time On Btm:

2013.03.12

Time Off Btm:

2013.03.12 @ 12:26:30 2013.03.12 @ 15:39:30

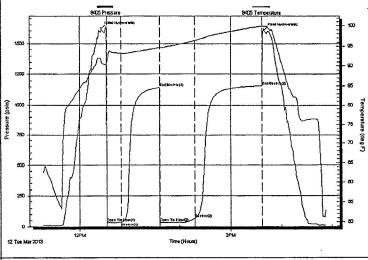
TEST COMMENT: 1st Open.

15 Minutes. Weak surface blow built to 1/4 inch in bucket.

1st Shut In. 45 Minutes. No blow back.

2nd Open. 30 Minutes. Weak surface blow built to 1/4 inch in bucket.

2nd Shut In. 90 Minutes. No blow back



Pressure vs. Time

PRESSURE SUM	MA	IRY
--------------	----	------------

	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	Production
	0	1617.74	90.89	Initial Hydro-static
	7	34.15	91.14	Open To Flow (1)
	24	34.18	93.15	Shut-In(1)
4	70	1145.43	94.61	End Shut-In(1)
enyou	71	34.82	94.59	Open To Flow (2)
ature	112	68.98	96.39	Shut-In(2)
Temperature (deg F)	191	1160.45	99.95	End Shut-In(2)
٠	193	1606.55	99.86	Final Hydro-static

				T. Carrier
				1

Recovery

Length (ft)	Description	Volume (bbl)		
3.00	Clean Oil	0.04		
22.00	Oil cut mud	0.31		
0.00	15% Oil/ 85% Mud	0.00		

Gas Rates

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



Bird Dog Oil, LLC

1801 Broadway STE#450 Denver CO, 80202

ATTN: Adam Kennedy

23-19s-10w-Rice

Pioneer-Schubert

Job Ticket: 17558

DST#:3

Test Start: 2013.03.12 @ 11:15:00

GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Hole Diameter:

Arbuckle

Deviated:

Time Tool Opened: 12:33:30

Time Test Ended: 16:52:30

Whipstock: No

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Shane Konzem

Unit No:

3330-50/ Great Bend

Reference Elevations:

1746.00 ft (KB)

KB to GR/CF:

1736.00 ft (CF) 10.00 ft

Serial #: 8400 Press@RunDepth:

Outside

1160.84 psia @

3291.00 ft (KB) (TVD)

3288.00 ft (KB)

Capacity:

5000.00 psia

Start Date:

2013.03.12

End Date:

2013.03.12

Last Calib .:

Start Time:

11:15:00

3279.00 ft (KB) To 3291.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor

End Time:

16:52:30

Time On Btm:

2013.03.12

Time Off Btm:

2013.03.12 @ 15:40:30

2013.03.12 @ 12:26:30

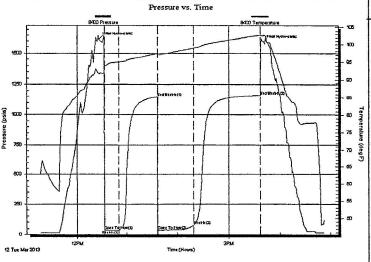
TEST COMMENT: 1st Open.

15 Minutes. Weak surface blow built to 1/4 inch in bucket.

1st Shut In. 45 Minutes. No blow back.

30 Minutes. Weak surface blow built to 1/4 inch in bucket. 2nd Open.

2nd Shut In. 90 Minutes. No blow back



	PRESSURE SUMMARY						
5]	Time	Pressure	Temp	Annotation			
	(Min.)	(psia)	(deg F)				
	0	1618.27	91.63	Initial Hydro-static			
	7	37.12	93.81	Open To Flow (1)			
	24	36.80	95.05	Shut-In(1)			
4	70	1146.19	97.28	End Shut-In(1)			
empe	71	37.60	96.98	Open To Flow (2)			
Temperature (deg F	113	77.34	98.92	Shut-In(2)			
(deg	191	1160.84	102.69	End Shut-In(2)			
J	194	1594.48	102.58	Final Hydro-static			

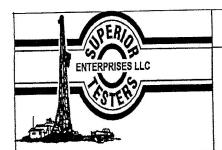
Recovery

Length (ft)	Description	Volume (bbl)
3.00	Clean Oil	0.04
22.00	Oil cut mud	0.31
0.00	15% Oil/ 85% Mud	0.00

Gas Ha	ites	
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
	<u> </u>	
	Choke (inches)	

Ref. No: 17558

Printed: 2013.03.12 @ 05:08:40



TOOL DIAGRAM

Bird Dog Oil, LLC

23-19s-10w-Rice

1801 Broadway STE #450 Denver CO, 80202

Pioneer-Schubert

Job Ticket: 17558

ATTN: Adam Kennedy

Test Start: 2013.03.12 @ 11:15:00

Final

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Length: 3283.00 ft Diameter:

0.00 ft Diameter: 0.00 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 0.00 inches Volume: 46.05 bbl ldd 00.0 0.00 bbl Tool Weight:

2000.00 lb

Weight to Pull Loose:

Weight set on Packer: 20000.00 lb

lb

Tool Chased 46.05 bbl

1.00 ft

Drill Pipe Above KB: Depth to Top Packer:

32.00 ft 3279.00 ft

ft

Total Volume:

String Weight: Initial

24000.00 lb

Depth to Bottom Packer:

Interval between Packers: 12.00 ft

Length:

Tool Length: Number of Packers: 40.00 ft 2

Diameter:

6.75 inches

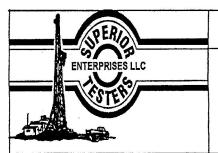
Tool Comments:

Tool Descripti	on Lengt	th (ft) Serial No	. Position	Depth (ft)	Accum. Lengths	
SHut-InTool	5	5.00	Inside	3256.00	*	
Hydrolic Tool	5	5.00		3261.00		¥
Jars	6	3.00		3267.00		
Safety Joint	2	2.00		3269.00		
Packer	5	5.00		3274.00	28.00	Bottom Of Top Packer
Packer	5	5.00		3279.00		
Anchor	7	7.00		3286.00		
Recorder		1.00 840	5 Inside	3287.00	¥	
Recorder	1	1.00 840	0 Outside	3288.00		
Bullnose	9	3.00		3291.00	12.00	Bottom Packers & Anchor
	Total Tool Length:	40.00				

Superior Testers Enterprises LLC

Ref. No: 17558

Printed: 2013.03.12 @ 05:08:40



FLUID SUMMARY

Bird Dog Oil, LLC

23-19s-10w-Rice

1801 Broadw ay STE #450 Denver CO, 80202

Pioneer-Schubert Job Ticket: 17558

DST#:3

ATTN: Adam Kennedy

Test Start: 2013.03.12 @ 11:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

ft

Viscosity: Water Loss: 52.00 sec/qt 7.99 in³

Cushion Volume:

bbl

Water Salinity:

ppm

Resistivity:

ohm.m

Gas Cushion Type: Gas Cushion Pressure:

psia

Salinity: Filter Cake: 6500.00 ppm

1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Clean Oil	0.042
22.00	Oil cut mud	0.309
0.00	15% Oil/ 85% Mud	0.000

Total Length:

25.00 ft

Ref. No: 17558

Total Volume:

0.351 bbl

0

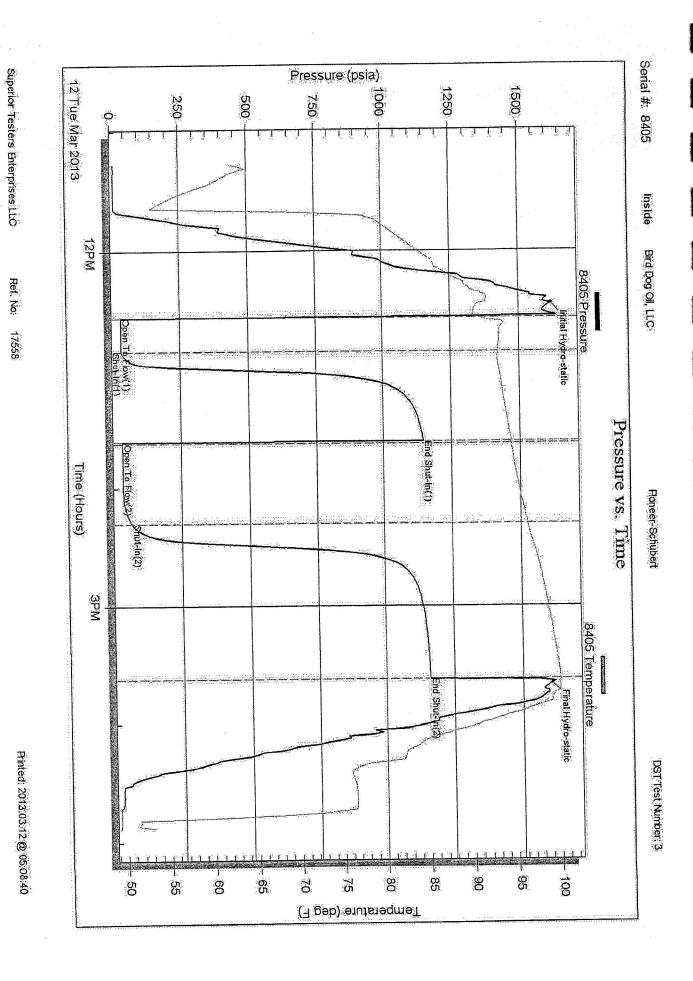
Num Fluid Samples: 0

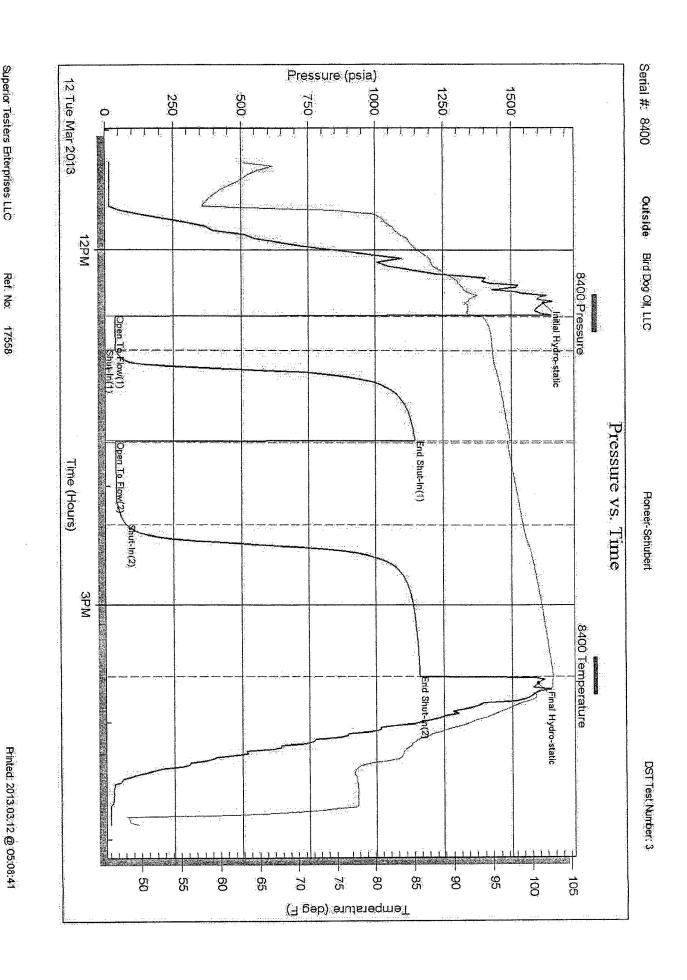
Num Gas Bombs: Laboratory Location: Serial #:

Laboratory Name:

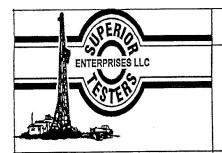
Recovery Comments:

Printed: 2013.03.12 @ 05:08:40





Superior Testers Enterprises LLC



Bird Dog Oil, LLC

1801 Broadway STE #450 Denver CO, 80202

ATTN: Adam Kennedy

23-19s-10w-Rice

Pioneer-Schubert

Job Ticket: 17559

DST#:4

Test Start: 2013.03.12 @ 12:48:00

GENERAL INFORMATION:

Time Tool Opened: 14:05:30

Time Test Ended: 18:35:00

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Dustin Elis

Unit No:

3315-Great Bend-50

Interval:

3289.00 ft (KB) To 3296.00 ft (KB) (TVD)

3296.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

7.88 inches Hole Condition: Fair

Reference Elevations:

1746.00 ft (KB)

1736.00 ft (CF)

KB to GR/CF:

10.00 ft

Serial #: 8400

Press@RunDepth:

Outside

235.30 psia @

3293.00 ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time: 2013.03.12 12:48:00 End Date: End Time: 2013.03.12 18:35:00 Last Calib .: Time On Btm: 2013.03.12

Time Off Btm:

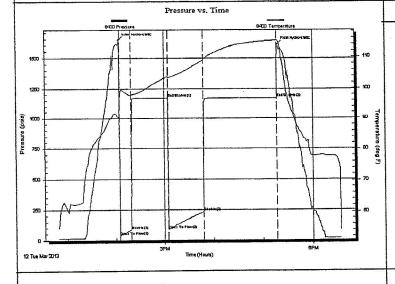
2013.03.12 @ 14:04:30 2013.03.12 @ 17:17:30

TEST COMMENT: 1st Open 15 minutes Fair building blow blew of bottom bucket in 12 minutes

1st Shut in 45 minutes No blow back.

2nd Open 45 minutes Fair building blow blew of bottom bucket in 13 minutes.

2nd Shut in 90 minutes No blow back.



PF	RESSUF	RE SUMMARY
ıre	Temp	Annotation

Time	Pressure	Temp	Annotation
(Min.)	(psia)	(deg F)	
0	1642.35	90.09	Initial Hydro-static
1	34.67	96.40	Open To Flow (1)
15	86.56	97.55	Shut-In(1)
60	1173.07	103.72	End Shut-In(1)
61	89.10	103.40	Open To Flow (2)
104	235.30	109.00	Shut-In(2)
192	1172.91	115.15	End Shut-In(2)
193	1608.63	115.08	Final Hydro-static
	1		

Recovery

Length (ft)	Description ·	Volume (bbl)	
4.00	00 Clean oil 100%		
11.00	Oil cut muddy water.	0.15	
0.00	Oil 1% Mud20% Water79%	0.00	
427.00	Water 100%	5.99	
0.00	Chlorides 32000 .2ohms @62degrees	0.00	

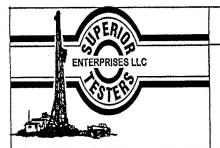
Gas Rates

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

Superior Testers Enterprises LLC

Ref. No: 17559

Printed: 2013.03.12 @ 18:53:49



Bird Dog Oil, LLC

1801 Broadw ay STE #450 Denver CO, 80202

ATTN: Adam Kennedy

23-19s-10w-Rice

Pioneer-Schubert

Job Ticket: 17559

DST#:4

Test Start: 2013.03.12 @ 12:48:00

GENERAL INFORMATION:

Formation:

Interval:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Dustin ⊟lis

Unit No:

3315-Great Bend-50

Total Depth:

Time Tool Opened: 14:05:30

Time Test Ended: 18:35:00

3289.00 ft (KB) To 3296.00 ft (KB) (TVD)

3296.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Reference Bevations:

1746.00 ft (KB)

1736.00 ft (CF)

KB to GR/CF:

10.00 ft

Serial #: 8405

Hole Diameter:

Inside Press@RunDepth:

1173.12 psia @

3292.00 ft (KB)

2013.03.12

Capacity:

5000.00 psia

Start Date: Start Time: 2013.03.12 12:48:00

End Date: End Time:

18:35:00

Last Calib.:

2013.03.12

Time On Btm: 2013.03.12 @ 14:04:30

PRESSURE SUMMARY

Time Off Btm:

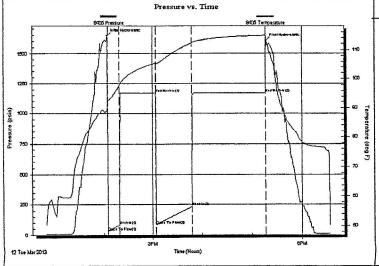
2013.03.12 @ 17:17:00

TEST COMMENT: 1st Open 15 minutes Fair building blow blew of bottom bucket in 12 minutes

1st Shut in 45 minutes No blow back.

2nd Open 45 minutes Fair building blow blew of bottom bucket in 13 minutes.

2nd Shut in 90 minutes No blow back.



	, neodorie dominati							
Ī	Time	Pressure	Temp	Annotation				
	(Mn.)	(psia)	(deg F)					
,	0	1646.35	89.78	Initial Hydro-static				
,	1	33.58	91.70	Open To Flow (1)				
	15	83.32	97.60	Shut-In(1)				
-1	60	1173.64	105.47	End Shut-In(1)				
Temperature (deg F	60	86.70	105.03	Open To Flow (2)				
rature	104	234.36	112.17	Shut-In(2)	ļ			
(deg	192	1173.12	114.76	End Shut-In(2)	1			
J	193	1602.41	114.56	Final Hydro-static	1			
	,							
1								
					1			
r								
					1			
		1	l	ì	j			

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Clean oil 100%	0.06
11.00	Oil cut muddy w ater.	0.15
0.00	Oil 1% Mud20% Water79%	0.00
427.00	Water 100%	5.99
0.00	Chlorides 32000 .2ohms @62degrees	0.00

Ref. No: 17559

Gas Rates

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

Printed: 2013.03.12 @ 18:53:49



TOOL DIAGRAM

Bird Dog Oil, LLC

1801 Broadway STE#450 Denver CO, 80202

ATTN: Adam Kennedy

23-19s-10w-Rice

Pioneer-Schubert

Job Ticket: 17559

DST#: 4

Test Start: 2013.03.12 @ 12:48:00

Tool Information

Drill Pipe:

Drill Collar:

Length: 3272.00 ft Diameter:

Heavy Wt. Pipe: Length: Length:

0.00 ft Diameter: 0.00 ft Diameter: 11.00 ft

0.00 inches Volume: 0.00 inches Volume: Total Volume:

3.80 inches Volume:

0.00 bbl 0.00 bbl 45.90 bbl

45.90 bbl

Tool Weight:

2000.00 lb Weight set on Packer: 20000.00 lb

Weight to Pull Loose: 36000.00 lb Tool Chased

0.00 ft String Weight: Initial 35000.00 lb

Final 35000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

3289.00 ft Depth to Bottom Packer: ft 7.00 ft

Interval between Packers: 35.00 ft Tool Length:

Number of Packers:

2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Hydrolic Tool	5.00			3266.00		
Jars	6.00			3272.00		
Safety Joint	2.00		120	3274.00		
SHut-InTool	5.00		Inside	3279.00		
Packer	5.00			3284.00	28.00	Bottom Of Top Packer
Packer	5.00	2		3289.00		
Anchor	2.00			3291.00		
Recorder	1.00	8405	Inside	3292.00		
Recorder	1.00	8400	Outside	3293.00		
Bullnose	3.00			3296.00	7.00	Bottom Packers & Anchor
Total Tool	length: 35.00					

Total Tool Length:

35.00

Ref. No: 17559



FLUID SUMMARY

Bird Dog Oil, LLC

23-19s-10w-Rice

1801 Broadw ay STE #450 Denver CO, 80202

Pioneer-Schubert Job Ticket: 17559

DST#:4

ATTN: Adam Kennedy

Test Start: 2013.03.12 @ 12:48:00

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type:

Oil API:

deg API

Mud Weight: Viscosity:

58.00 sec/qt

Cushion Length: Cushion Volume:

fţ bbl Water Salinity:

ppm

Water Loss:

8.00 in³ ohm.m Gas Cushion Type: Gas Cushion Pressure:

psia

Resistivity: Salinity: Filter Cake:

7700.00 ppm

1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl	
4.00	Clean oil 100%	0.056	
11.00	Oil cut muddy w ater.	0.154	
0.00	Oil 1% Mud20% Water79%	0.000	
427.00	Water 100%	5.990	
0.00	Chlorides 32000 .2ohms @62degrees	0,000	

Total Length:

442.00 ft

Total Volume:

6.200 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

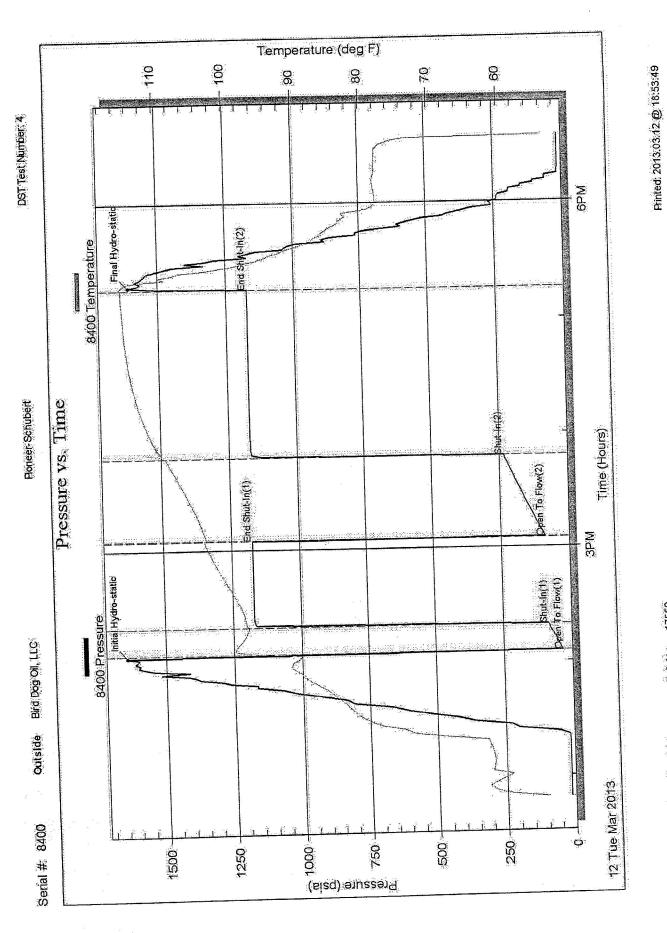
Recovery Comments:

Laboratory Location:

Superior Testers Enterprises LLC

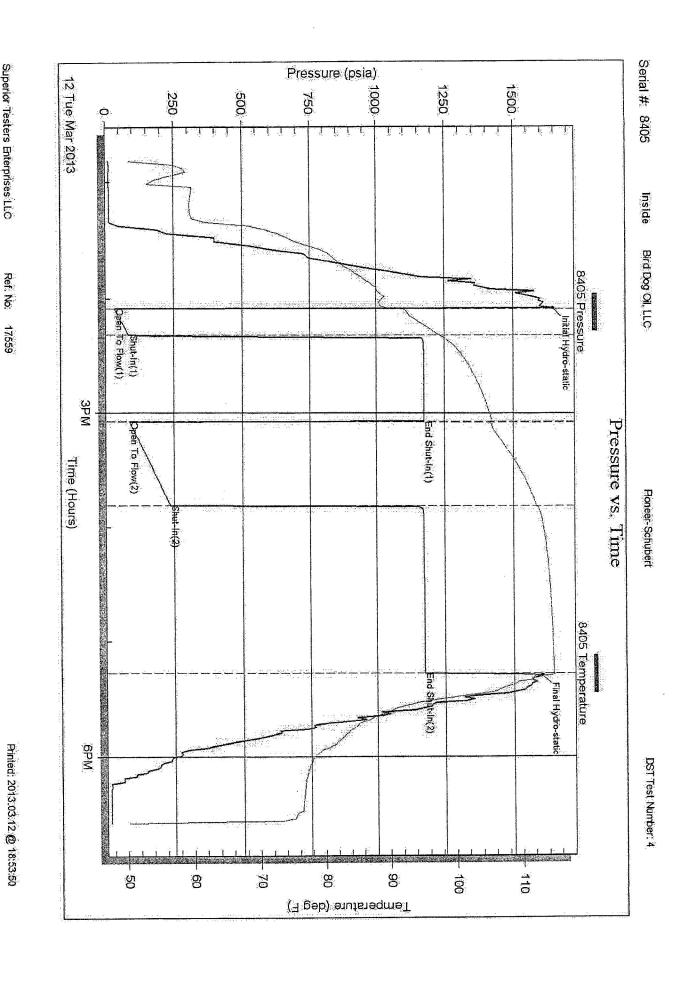
Ref. No: 17559

Printed: 2013.03.12 @ 18:53:49



Superior Testers Enterprises. LLO Ref

Ref. No: 17559



Superior Testers Enterprises LLO