



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1227675  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1227675

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

Form	ACO1 - Well Completion
Operator	Bird Dog Oil, LLC
Well Name	Stoltenberg-Svoboda 1-17
Doc ID	1227675

All Electric Logs Run

DI
CDNL
Micro
Sonic



10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 10386 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 05-16-14 DISTRICT PRATT KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:				
CUSTOMER BIRD DOG well.		LEASE STOKTON BERRA-SUBORDA WELL NO. 1-17				
ADDRESS		COUNTY PHSWORTH STATE KS				
CITY STATE		SERVICE CREW Sullivan, Grant Hanson				
AUTHORIZED BY		JOB TYPE: CWV 85%				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 5-15-14 DATE AM PM TIME
3718-2420	35					ARRIVED AT JOB 5-15-14 AM PM 8:00
70959-19918	35					START OPERATION 5-16-14 AM PM 11:10
37900						FINISH OPERATION 5-16-14 AM PM 11:55
						RELEASED 5-16-14 AM PM 1:00
						MILES FROM STATION TO WELL 80

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 100 C	Common Cement	SK	275		4,400.00
PC 107	Cellulose	lb	139		510.60
CC 109	Calcium Chloride	lb	777		815.95
PC 200	Cement	lb	378		129.90
CF 153	TOP WOODS Ply 85%	SA	1		160.00
E 600	Probed in	m	40		340.00
E 101	Hydro Seal	ms	160		1,120.00
E 113	Bulk Delivery	TM	1036		2,279.20
PE 200	Depth change 0-500	m	1		1,000.00
PE 240	Bladder mix	SK	275		295.00
PE 504	Plus Cement - Mixed	SA	1		250.00
SC 3	Sedimentation	SA	1		175.00

SUB TOTAL \$66,592.14

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

Thank you

SERVICE REPRESENTATIVE Robert J. [Signature]	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature] (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	



ASIC Energy services, L.P.

TREATMENT REPORT

Customer: <b>BIRD DOG</b>	Lease No.:	Date:
Lease: <b>STOLTEN Berg - Swabala</b>	Well #: <b>1-17</b>	
Field Order #: <b>10386</b>	Station: <b>PRATH KS</b>	Casing: <b>8 5/8</b>
Type Job: <b>CW 8 5/8</b>	Formation:	Depth: <b>293</b>
		County: <b>PLUMCROFT</b>
		State: <b>KS</b>
		Legal Description: <b>17-16-10</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<b>8 5/8</b>								
Depth: <b>293</b>	Depth:	From:	To:	Pre Pad:		Max:		5 Min.
Volume: <b>24</b>	Volume:	From:	To:	Pad:		Min:		10 Min.
Max Press: <b>350</b>	Max Press:	From:	To:	Frac:		Avg:		15 Min.
Well Connection: <b>P.C.</b>	Annulus Vol.:	From:	To:			HHP Used:		Annulus Pressure
Plug Depth: <b>378</b>	Packer Depth:	From:	To:	Flush:		Gas Volume:		Total Load

Customer Representative:	Station Manager: <b>David</b>	Treater: <b>Robert</b>
Service Units: <b>37900 33708 20970 70959 19918</b>		
Driver Names: <b>Kullman GRAYS HANSON</b>		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<b>11:10</b>					<b>on loc safety meeting</b>
<b>11:35</b>					<b>CASING on Bottom</b>
<b>11:45</b>					<b>Plg / circ. cor.</b>
<b>11:50</b>			<b>3</b>	<b>3</b>	<b>At SPN cor</b>
					<b>mix cmt 275 @ Comm 2% gel</b>
			<b>64</b>	<b>4</b>	<b>3% CC 1/4 CF. @ 15 ppv</b>
					<b>cmt mixed spot down</b>
					<b>Release Plg</b>
				<b>3</b>	<b>At Dep</b>
<b>12:30</b>			<b>24</b>		<b>Plg down</b>
					<b>1 circ 15 BBL cmt PIT</b>
					<b>SOB complete</b>
					<b>Frank</b>

# BASIC<sup>SM</sup>

ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 10393 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>05-24-14</b> DISTRICT <b>PRA TT</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <b>BIRD OOB OIL</b>		LEASE <b>SOVORODA</b> / WELL NO.							
ADDRESS		COUNTY <b>CLSWORTH</b> STATE <b>KS</b>							
CITY STATE		SERVICE CREW <b>Sullivan, McGraw, Cobb</b>							
AUTHORIZED BY		JOB TYPE: <b>CNW 5 1/2 Longstay</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
77626-19905	45						5-23-14	AM PM	10:30
19831-1862	45						5-24-14	AM PM	1:45
37900								AM PM	6:45
								AM PM	7:30
								AM PM	8:30
						MILES FROM STATION TO WELL	85		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 104	50/50 p02 cmf	SK	125		1,375.00
CP 103	60/60 p02 cmf	SK	100		1,200.00
CC 102	Cellulose	lb	32		118.40
CC 105	C-41-P	lb	27		108.00
CC 109	Cellulose dolomite	lb	210		220.50
CC 112	CFR	lb	32		192.00
CC 113	Bridgman	lb	625		468.75
CC 129	41A-322	lb	84		630.00
CC 200	cmf gal	lb	210		52.50
CC 201	gal/shute	lb	625		418.75
C 204	CLAY MAX	gal	34		140.00
CC 151	mud Hall	gal	500		750.00
CF 607	LA Tib down Plug BATH 5/4	SA	1		400.00
CF 1251	Nuto 7.11 stone flat	SA	1		360.00
CF 1251	Turb lance	SA	8		880.00
CF 1901	Basket	SA	1		290.00
SUB TOTAL					VC


SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO. \_\_\_\_\_ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

GLDUD LITHO - Abilene, TX

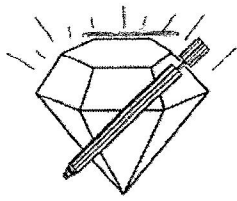
Lease No. \_\_\_\_\_ Date 5-24-14  
 Well # 1  
 Field Order # 10393 Station PRATT 115 Casing 5 1/2 Depth 3460' County ELLSWORTH State KS  
 Type Job EDW 5 1/2 d.s. Formation \_\_\_\_\_ Legal Description 17-16-10

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <u>5 1/2</u>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth <u>3456</u>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <u>82</u>	Volume	From	To	Pad	Min		10 Min.	
Max Press <u>1500</u>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <u>PC</u>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <u>3458</u>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative \_\_\_\_\_ Station Manager DAVE SCOTT Treater Robert [Signature]

Service Units	37900	77686	19905	19831	19867				
Driver Names	<u>Sullivan</u>	<u>McPherson</u>	<u>Cobb</u>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>1:45</u>					<u>on for safety meeting</u>
					<u>run 5 1/2 13.5" CSP.</u>
<u>5:30</u>					<u>checking on bottom</u>
<u>5:45</u>					<u>hook rig circ</u>
<u>6:45</u>	<u>150</u>		<u>5</u>	<u>3.5</u>	<u>at spacer</u>
			<u>12</u>		<u>at mid flush</u>
			<u>5</u>		<u>stop</u>
			<u>13</u>	<u>4.5</u>	<u>mix 50% SCAVENGER cont</u>
			<u>33</u>		<u>mix 12.5% SO/SO<sub>2</sub> cont @ 14"</u>
					<u>cont mixed shut down wash line, pump</u>
					<u>Release Plug</u>
					<u>at Disp</u>
	<u>250</u>				<u>hook rig</u>
	<u>550</u>		<u>70</u>	<u>2</u>	<u>flow rate</u>
<u>7:30</u>	<u>1,500</u>		<u>82</u>		<u>plug down</u>
			<u>6</u>		<u>plug RTW/30s</u>
					<u>JOB complete</u>



**DIAMOND TESTING, LLC**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (620) 653-7550 • (800) 542-7313  
 stollenberg-boor1-17DST1

Company Bird Dog Oil, LLC Lease & Well No. Stollenberg - Boor No. 1-17  
 Elevation 1880 EGL Formation Lansing/Kansas City "A-B" Effective Pay \_\_\_\_\_ Ft. Ticket No. RR073  
 Date 8-26-14 Sec. 17 Twp. 16S Range 10W County Ellsworth State Kansas  
 Test Approved By Adam Nighswonger Diamond Representative Ricky Ray

Formation Test No. 1 Interval Tested from 3,036 ft. to 3,087 ft. Total Depth 3,087 ft.  
 Packer Depth 3,031 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3,036 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 3,024 ft. Recorder Number 0062 Cap. 5,000 psi.  
 Bottom Recorder Depth (Outside) 3,074 ft. Recorder Number 5954 Cap. 5,000 psi.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 6 Drill Collar Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
 Mud Type Chemical Viscosity 58 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
 Weight 9.2 Water Loss 9.2 cc. Drill Pipe Length 3,009 ft I.D. 3 1/2 in.  
 Chlorides 6,300 P.P.M. Test Tool Length 27 ft Tool Size 3 1/2-IF in.  
 Jars: Make Sterling Serial Number Not Run Anchor Length 19' perf. w/ 32' drill pipe Size 4 1/2-FH in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

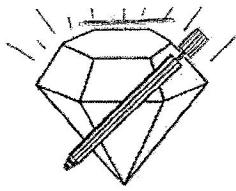
Blow: 1st Open: MISRUN - Due to fill or bridge!!!!

2nd Open: N/A

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks MISRUN!

Time Set Packer(s) \_\_\_\_\_ Time Started off Bottom \_\_\_\_\_ Maximum Temperature \_\_\_\_\_  
 Initial Hydrostatic Pressure.....(A) \_\_\_\_\_ P.S.I.  
 Initial Flow Period.....Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
 Initial Closed In Period.....Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
 Final Flow Period.....Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
 Final Closed In Period.....Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
 Final Hydrostatic Pressure.....(H) \_\_\_\_\_ P.S.I.





**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
stoltenberg-boor1-17DST2

Company Bird Dog Oil, LLC Lease & Well No. Stoltenberg - Boor No. 1-17  
Elevation 1880 EGL Formation Lansing/Kansas City "A-B" Effective Pay \_\_\_\_\_ Ft. Ticket No. RR074  
Date 8-27-14 Sec. 17 Twp. 16S Range 10W County Ellsworth State Kansas  
Test Approved By Adam Nighswonger Diamond Representative Ricky Ray

Formation Test No. 2 Interval Tested from 3,036 ft. to 3,087 ft. Total Depth 3,087 ft  
Packer Depth 3,031 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 3,036 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 3,024 ft. Recorder Number 0062 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 3,074 ft. Recorder Number 5954 Cap. 5,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 6 Drill Collar Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Mud Type Chemical Viscosity 58 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Weight 9.2 Water Loss 9.2 cc. Drill Pipe Length 3,009 ft I.D. 3 1/2 in.  
Chlorides 6,300 P.P.M. Test Tool Length 27 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 19' perf. w/ 32' drill pipe Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1/4 in. in 15 mins. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

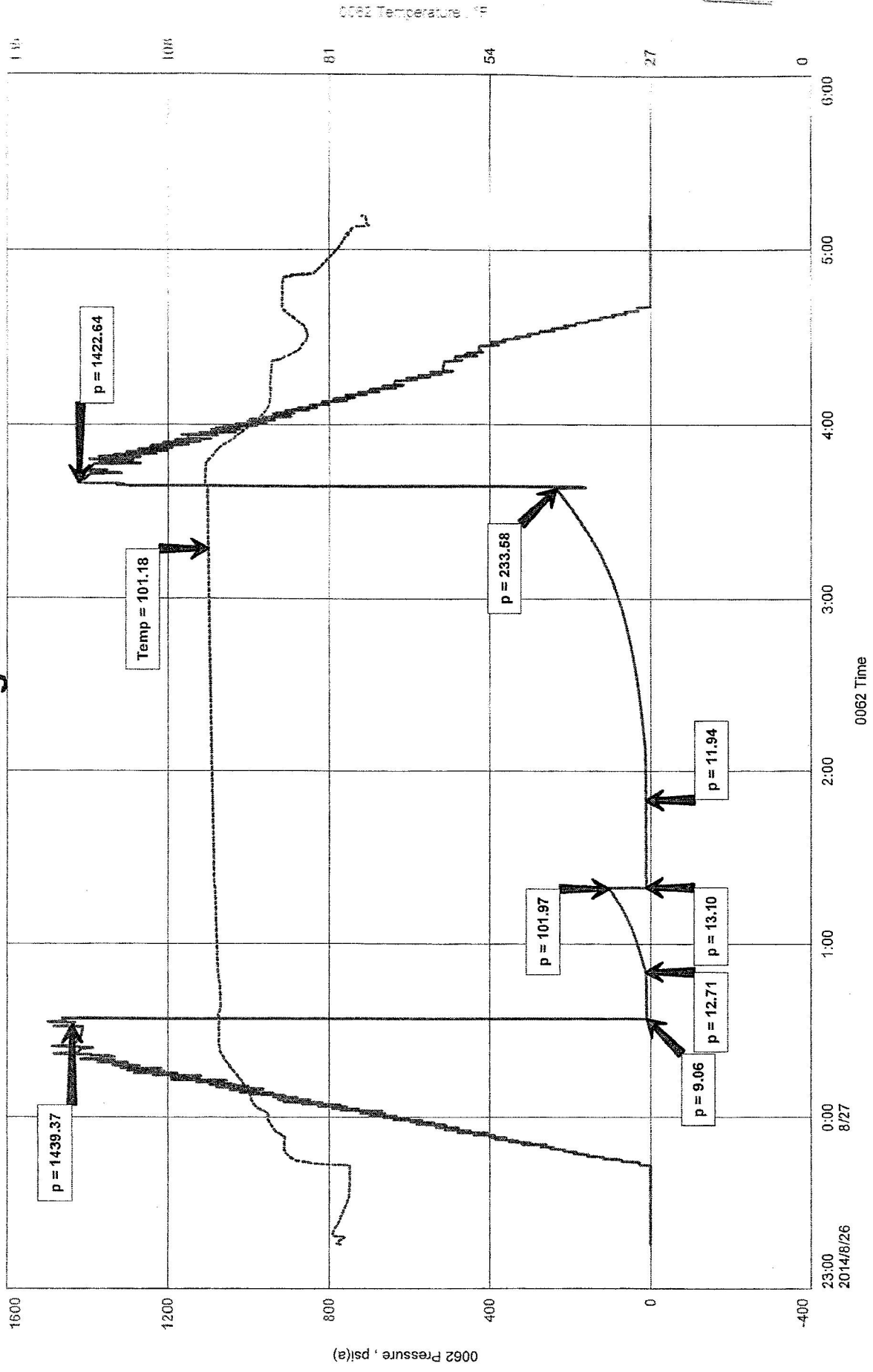
Recovered 5 ft. of mud = .071150 bbls. (Grind out: 100%-mud)  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: 100%-mud

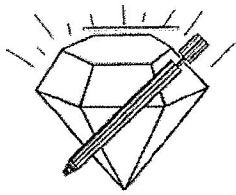
Time Set Packer(s) 12:35 A.M. Time Started off Bottom 3:35 A.M. Maximum Temperature 101°  
Initial Hydrostatic Pressure.....(A) 1439 P.S.I.  
Initial Flow Period.....Minutes 15 (B) 9 P.S.I. to (C) 13 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 102 P.S.I.  
Final Flow Period.....Minutes 45 (E) 13 P.S.I. to (F) 12 P.S.I.  
Final Closed In Period.....Minutes 90 (G) 234 P.S.I.  
Final Hydrostatic Pressure.....(H) 1423 P.S.I.

Bird Dog Oil LLC  
 Dst 2 LKC "A-B" (3036-3087)  
 Start Test Date: 2014/08/26  
 Final Test Date: 2014/08/27

Stoltenberg Boor 1-17  
 Formation: Dst 2 LKC "A-B" (3036-3087)  
 Pool: Infill  
 Job Number: RR07

# Stoltenberg Boor 1-17





**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
stoltenberg-boor1-17DST3

Company Bird Dog Oil, LLC Lease & Well No. Stoltenberg - Boor No. 1-17  
Elevation 1880 EGL Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. RR075  
Date 8-28-14 Sec. 17 Twp. 16S Range 10W County Ellsworth State Kansas  
Test Approved By Adam Nighswonger Diamond Representative Ricky Ray

Formation Test No. 3 Interval Tested from 3,310 ft. to 3,374 ft. Total Depth 3,374 ft.  
Packer Depth 3,305 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 3,310 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 3,292 ft. Recorder Number 0062 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 3,345 ft. Recorder Number 5954 Cap. 5,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 6 Drill Collar Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Mud Type Chemical Viscosity 68 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 3,277 ft I.D. 3 1/2 in.  
Chlorides 6,100 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 8 Anchor Length 33' perf. w/ 31' drill pipe Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1/2 in. in 15 mins. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 10 ft. of mud = .142300 bbls. (Grind out: 100%-mud)  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

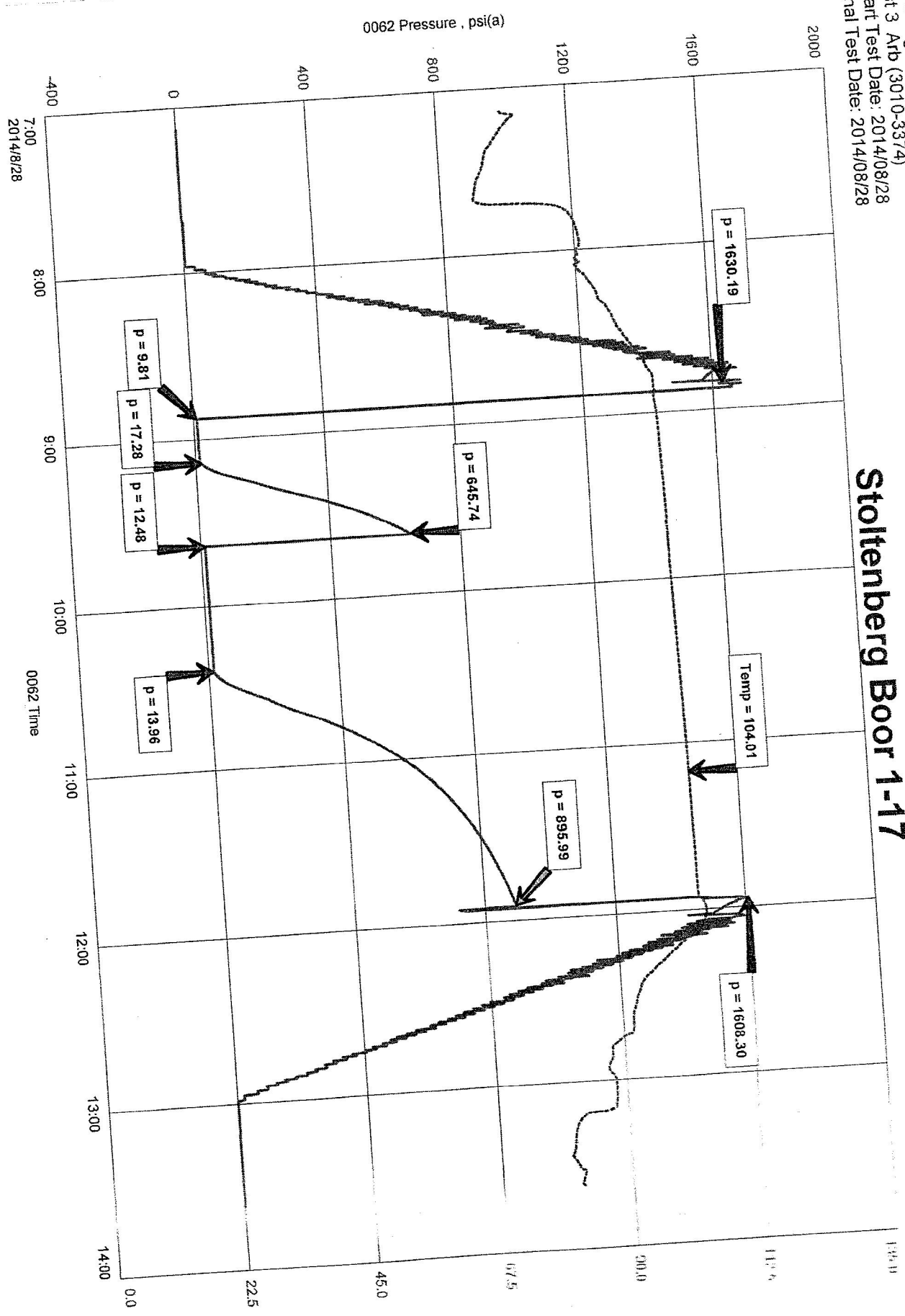
Remarks Tool Sample Grind Out: 1%-oil; 99%-mud

Time Set Packer(s) 8:53 A.M. Time Started off Bottom 11:53 A.M. Maximum Temperature 104°  
Initial Hydrostatic Pressure.....(A) 1630 P.S.I.  
Initial Flow Period.....Minutes 15 (B) 10 P.S.I. to (C) 17 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 646 P.S.I.  
Final Flow Period.....Minutes 45 (E) 12 P.S.I. to (F) 14 P.S.I.  
Final Closed In Period.....Minutes 90 (G) 896 P.S.I.  
Final Hydrostatic Pressure.....(H) 1608 P.S.I.

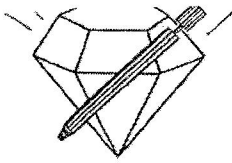
Bird Dog Oil LLC  
 Dst 3 Arb (3010-3374)  
 Start Test Date: 2014/08/28  
 Final Test Date: 2014/08/28

# Stoltenberg Boor 1-17

Formation: DST 3 Arb  
 Pool: hite  
 Job Number: 1310



41-82-8 DATE 3 ON TEST MON RGE. 191 TWP. 71 SEC. 17-1 ON WELL AND LEASE CTR 110 God pr



**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
stoltenberg-boor1-17DST4

Company Bird Dog Oil, LLC Lease & Well No. Stoltenberg - Boor No. 1-17  
Elevation 1880 EGL Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. RR071  
Date 8-28-14 Sec. 17 Twp. 16S Range 10W County Ellsworth State Kansas  
Test Approved By Adam Nighswonger Diamond Representative Ricky Ray

Formation Test No. 4 Interval Tested from 3,374 ft. to 3,385 ft. Total Depth 3,385 ft.  
Packer Depth 3,369 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 3,374 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 3,356 ft. Recorder Number 0062 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 3,366 ft. Recorder Number 5954 Cap. 5,000 psi  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi

Drilling Contractor Southwind Drilling, Inc. - Rig 6 Drill Collar Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Mud Type Chemical Viscosity 68 Weight Pipe Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 3,341 ft. I.D. 3 1/2 in.  
Chlorides 6,100 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 8 Anchor Length 11 ft. Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/4 in. blow increasing to 5 ins. in 15 mins. No blow back during shut-in.  
2nd Open: Weak, surface blow increasing to 11 1/4 ins. in 45 mins. No blow back during shut-in.

Recovered 10 ft. of oil = .142300 bbls. (Grind out: 100%-oil) Gravity: 40 @ 60°  
Recovered 129 ft. of oil & mud cut water = 1.835670 bbls. (Grind out: 6%-oil; 86%-water; 8%-mud) Chlorides: 33,000 Ppm PH: 7.0 RW: .30 @ 68°  
Recovered 139 ft. of TOTAL FLUID = 1.977970 bbls.  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: 1%-gas; 20%-oil; 57%-water; 22%-mud

Time Set Packer(s) 10:36 P.M. Time Started off Bottom 1:36 A.M. Maximum Temperature 107°  
Initial Hydrostatic Pressure.....(A) 1659 P.S.I.  
Initial Flow Period.....Minutes 15 (B) 10 P.S.I. to (C) 32 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 998 P.S.I.  
Final Flow Period.....Minutes 45 (E) 33 P.S.I. to (F) 77 P.S.I.  
Final Closed In Period.....Minutes 90 (G) 939 P.S.I.  
Final Hydrostatic Pressure.....(H) 1631 P.S.I.

Bird Dog Oil LLC  
 Dst 4 Arb (3374-3385)  
 Start Test Date: 2014/08/28  
 Final Test Date: 2014/08/29

Stoltenberg Boor 1-17  
 Formation: Dst 4 Arb (3374-3385)  
 Pool: Initial  
 Job Number: RR076

# Stoltenberg Boor 1-17

