

1216666

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

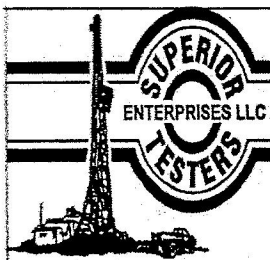
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bird Dog Oil, LLC
Well Name	Lakin-Sieker 1-23
Doc ID	1216666

All Electric Logs Run

DIL
DUCP
MEL
BHCS



DRILL STEM TEST REPORT

Bird Dog Oil, LLC

23/19s/11w/Barton

1801 Broadway STE #450 Denver Co, 80202

Lakin-Sieker #1-23

Job Ticket: 19196

DST#: 1

ATTN: Adam Highswinger

Test Start: 2014.01.29 @ 17:55:00

GENERAL INFORMATION:

Formation: LKC "A-B"

Deviated: No Whipstock ft (KB)

Time Tool Opened: 20:36:00

Time Test Ended: 01:50:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330/30/Great Bend

Interval: 3036.00 ft (KB) To 3085.00 ft (KB) (TVD)

Reference Elevations: 1789.00 ft (KB)

Total Depth: 3085.00 ft (KB) (TVD)

1779.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8159

Outside

Press@RunDepth: 948.75 psia @ 3082.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.01.29

End Date:

2014.01.30

Last Calib.: 2014.01.28

Start Time: 17:55:00

End Time:

01:51:00

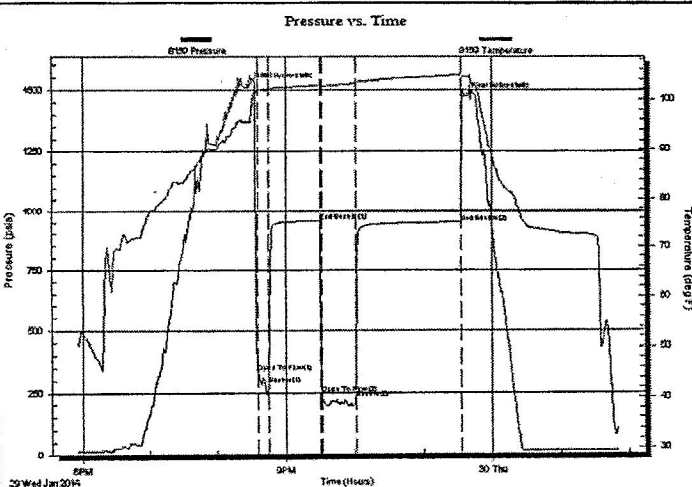
Time On Btm: 2014.01.29 @ 20:27:30

Time Off Btm: 2014.01.29 @ 23:36:00

TEST COMMENT: 1st Open/ 10 Minutes. Strong blow built to bottom of 5 gallon bucket of deisel in 15 seconds. Gas to surface in 7 Minutes.

1st Shut In/ 45 Minutes. Weak surface blow back.

2nd Open/ 30 Minutes. Strong blow built to bottom of 5 gallon bucket of deisel in 10 seconds.



PRESSURE SUMMARY

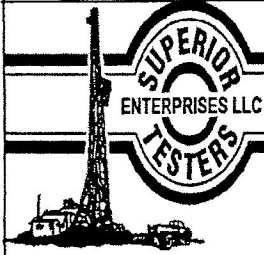
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1518.31	95.68	Initial Hydro-static
9	334.79	101.85	Open To Flow (1)
18	285.76	102.13	Shut-In(1)
63	956.24	102.94	End Shut-In(1)
65	247.11	102.75	Open To Flow (2)
94	261.89	103.25	Shut-In(2)
185	948.75	104.95	End Shut-In(2)
189	1473.43	104.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	5% Gas, 95% Mud	1.68
60.00	5% Gas, 2.5% Oil, 92.5% Mud.	0.84

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	22.80	655.47
Last Gas Rate	1.00	22.80	655.47
Max. Gas Rate	1.00	22.80	655.47



DRILL STEM TEST REPORT

Bird Dog Oil, LLC

23/19s/11w/Barton

1801 Broadway STE #450 Denver Co, 80202

Lakin-Sieker #1-23

ATTN: Adam Highswinger

Job Ticket: 19197

DST#: 2

Test Start: 2014.01.30 @ 12:20:00

GENERAL INFORMATION:

Formation: LKC "G"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:06:00

Time Test Ended: 19:17:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330/30/Great Bend

Interval: 3135.00 ft (KB) To 3150.00 ft (KB) (TVD)

Reference Elevations: 1789.00 ft (KB)

Total Depth: 3150.00 ft (KB) (TVD)

1779.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8159

Press@RunDepth: 727.48 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.01.30

End Date: 2014.01.30

Last Calib.: 2014.01.28

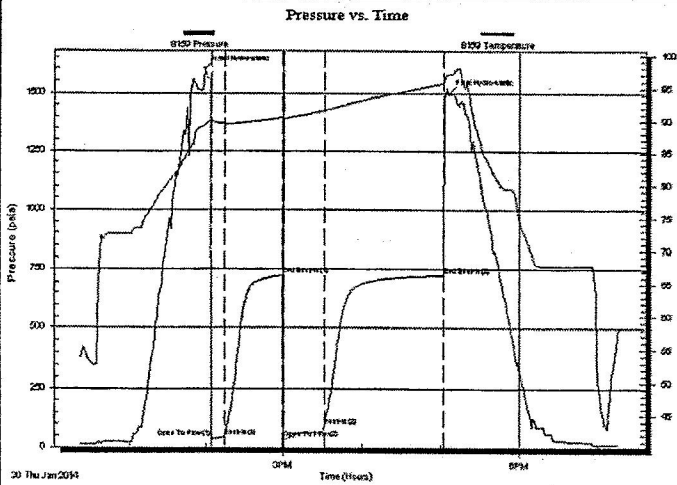
Start Time: 12:20:00

End Time: 19:17:00

Time On Btm: 2014.01.30 @ 13:59:30

Time Off Btm: 2014.01.30 @ 17:05:30

TEST COMMENT: 1st Open/ 10 Minutes. Good blow built to bottom of 5 gallon bucket of deisel in 4 minutes and 30 seconds.
 1st SHut In/ 45 Minutes. No blow back.
 2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket of deisel in 5 minutes and 30 seconds.
 2nd SHut In/ 90 Minutes. No blow back.



PRESSURE SUMMARY

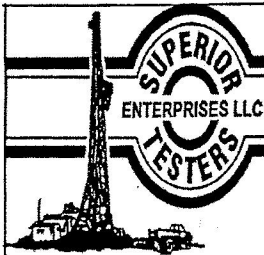
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1598.86	89.44	Initial Hydro-static
5	41.39	89.92	Open To Flow (1)
15	45.27	89.61	Shut-In(1)
60	726.35	90.54	End Shut-In(1)
62	38.16	90.42	Open To Flow (2)
92	89.66	91.62	Shut-In(2)
183	727.48	95.72	End Shut-In(2)
186	1497.80	97.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	100% mud with trace of oil	0.20
60.00	40% gas, 40% oil, 20% mud	0.30

Gas Rates

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



DRILL STEM TEST REPORT

Bird Dog Oil, LLC
 1801 Broadway STE #450 Denver Co, 80202
 ATTN: Adam Highswinger

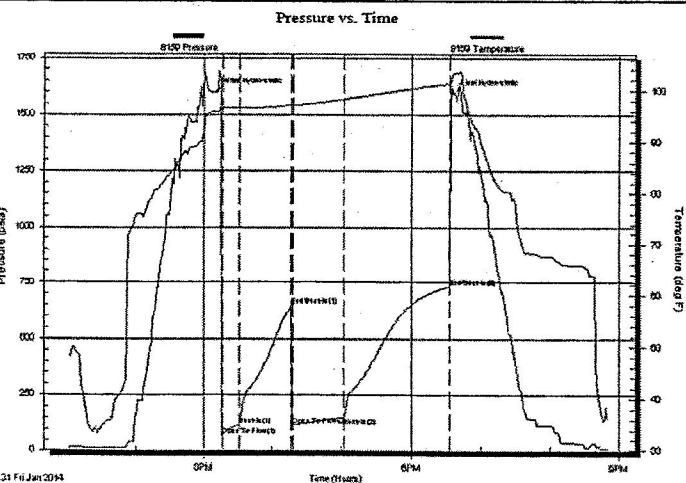
23/19s/11w/Barton
Lakin-Sieker #1-23
 Job Ticket: 19198 **DST#: 3**
 Test Start: 2014.01.31 @ 13:00:00

GENERAL INFORMATION:

Formation: **LKC "J-L"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:17:30
 Time Test Ended: 20:52:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzern
 Unit No: 3330/30/Great Bend
 Interval: **3230.00 ft (KB) To 3305.00 ft (KB) (TVD)**
 Total Depth: 3305.00 ft (KB) (TVD)
 Reference Elevations: 1789.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 KB to GR/CF: 10.00 ft

Serial #: 8159 Outside
 Press@RunDepth: 731.48 psia @ 3302.34 ft (KB) Capacity: 5000.00 psia
 Start Date: 2014.01.31 End Date: 2014.01.31 Last Calib.: 2014.01.29
 Start Time: 13:00:00 End Time: 20:51:00 Time On Btm: 2014.01.31 @ 15:12:00
 Time Off Btm: 2014.01.31 @ 18:36:00

TEST COMMENT: 1st Open/ 15 Minutes. Fair blow built to bottom of 5 gallon bucket of deisel in 14 minutes and 15 seconds.
 1st Shut In/ 45 Minutes. No blow back.
 2nd Open/ 45 Minutes. Fair blow built to bottom of 5 gallon bucket of deisel in 10 minutes and 30 seconds.
 2nd Shut In/ 90 Minutes. Slight surface blow back.



PRESSURE SUMMARY

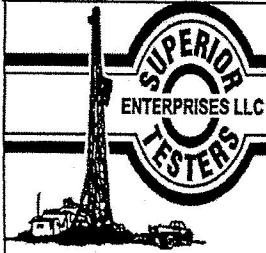
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1602.86	95.92	Initial Hydro-static
5	69.12	96.47	Open To Flow (1)
20	116.36	96.55	Shut-In(1)
65	649.10	97.20	End Shut-In(1)
67	116.14	97.08	Open To Flow (2)
111	151.57	98.32	Shut-In(2)
201	731.48	101.37	End Shut-In(2)
204	1596.12	103.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	315 foot 100% gas	0.00
63.00	10% Oil, 90% Mud	0.31
63.00	40% Gas, 20% Oil, 40% Mud	0.34
126.00	60% Gas, 20% Oil, 20% Mud	1.77

Gas Rates

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



DRILL STEM TEST REPORT

Bird Dog Oil, LLC

23/19s/11w/Barton

1801 Broadway STE #450 Denver Co, 80202

Lakin-Sieker #1-23

Job Ticket: 19199

DST#: 4

ATTN: Adam Highswinger

Test Start: 2014.02.01 @ 08:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:56:00

Time Test Ended: 13:41:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330/30/Great Bend

Interval: 3302.00 ft (KB) To 3360.00 ft (KB) (TVD)

Reference Elevations: 1789.00 ft (KB)

Total Depth: 3360.00 ft (KB) (TVD)

1779.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 6806

Press@RunDepth: 95.39 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.02.01

End Date: 2014.02.01

Last Calib.: 2014.01.30

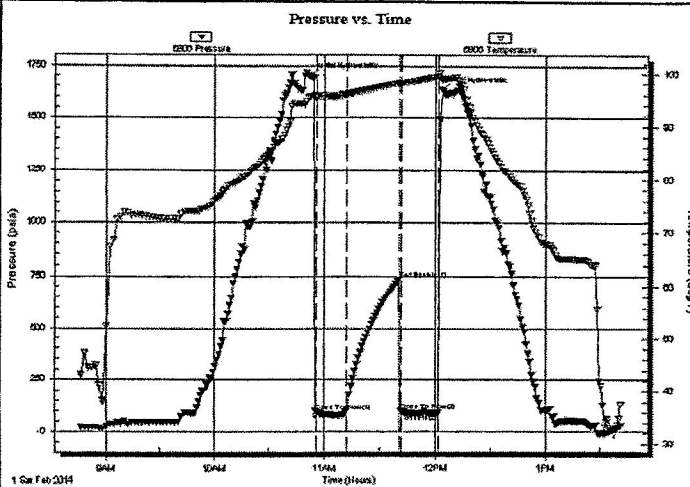
Start Time: 08:45:00

End Time: 13:41:30

Time On Btm: 2014.02.01 @ 10:52:30

Time Off Btm: 2014.02.01 @ 12:04:00

TEST COMMENT: 1st Open/ 15 Minutes. Weak blow built to 1 and a half inches into deisel.
 1st Shut In/ 30 Minutes. No blow back.
 2nd Open/ 15 Minutes. Weak blow built to 1 inch in 15 Minutes. Pulled test per Geo.
 2nd Shut In/ N/A





ASIC Energy services, L.P.

TREATMENT REPORT

Customer Bird Dog Oil, LLC	Lease No.	Date 1-26-14
Lease Latin-Sieter	Well # 1-23	
Field Order # 9850	Station Pratt, Kansas	Casing 8 7/8" 23lb
		Depth 308 Feet
Type Job C.N.W. - Surface	Formation	County Barton
		State Kansas
		Legal Description 23-195-11W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 7/8" 23lb/ft	Tubing Size 5 1/2" 17lb/ft	Shots/Ft 275	From 286	To 286	Acid Common Cement with Pre Pad 3 2 Calcium Chloride, 25lb/st. Cell flake	RATE 5	PRESS 150	ISIP 5 Min.
Depth 308 Feet	Depth 308 Feet	From 14	To 14	To 14	Pad 19 Bbl. Fresh Water	Max 300	Min 150	10 Min.
Volume 14.2 Bbl.	Volume 14.2 Bbl.	From 300	To 300	To 300	Frac	Avg 300		15 Min.
Max Press 300 P.S.I.	Max Press 300 P.S.I.	From Plug Container	To Plug Container	To Plug Container		HHP Used		Annulus Pressure
Well Connection Plug Container	Annulus Vol. Plug Container	From 243 feet	To 243 feet	To 243 feet	Flush 19 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative: Larry
Station Manager: Kevin Gordley
Treater: Clarence R. Messich

Service Units	37,216	27,463	19,959	19,960					
Driver Names	Messich	Masquez	Eggers						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00	125-14				Truck on location and hold safety meeting.
2:30	South	wind	Drilling	start to run	7 Joints 8 7/8" Limited Service 23lb/Ft casing
3:15					casing in well. Circulate for 5 minutes.
3:25	275			5	Start Fresh Water Pre-Flush.
	300		10	5	Start mixing 275 sacks common cement.
	-0-		76		Stop pumping. Shut in well. Release Wooden Plug. Open Well.
3:44	150			5	Start Fresh water Displacement.
3:50	300		19		Plug down. Shut in well.
					Circulated 5 Bbl. cement to the pit.
					Wash up pump truck.
4:30					Job Complete.
					Thank You.
					Clarence, Edmundo, Pat



energy services, L.P.

TREATMENT REPORT

Customer Bill Dog oil LLC	Lease No.	Date 2-2-14	
Lease LAKIN-SIEKER	Well # 1-23		
Field Order # 9906	Station Pratt	Casing 5 1/2	Depth
Type Job CNW LS	Formation	County Rice	State KS
		Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid 125 SKS 50/50 POZ	RATE	PRESS	ISIP	
Depth 3445	Depth	From	To	Pre Pad 25% CFR .25% PERFORMER	Max	5# SK 91/100	29% CC	.8% K14
Volume	Volume	From	To	Pad 1/4# SK cellfu	Min			5# SK CH15+
Max Press	Max Press	From	To	Frac 100 SKS 60/40 POZ	Avg	29% g		15 Min.
Well Connection	Annulus Vol.	From	To	Flush 81.5	HHP Used			Annulus Pressure
Plug Depth 3425.93	Packer Depth	From	To		Gas Volume			Total Load

Customer Representative Kelly Branun	Station Manager Kevin Goidley	Treater Mike MATTAI
Service Units 37586	27463	19831
Driver Names MATTAI	KUHAIR	Pierison

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:40 PM					ON location / SAFETY Meeting
4:55					Run 5 1/2 15.5# casing BASKET ON PIN 17
—					Turbos on 1, 3, 5, 7, 9, 11, 13, 15
6:25					CSAG ON BOTTOM
6:36					HOOK TO CSAG/BIPAK circ W. RIG
7:30	300		5	4.5	PUMP 5 BBLs H ₂ O
7:51	300		12	4.5	PUMP 12 BBLs Mud FLUSH
7:35	300		5	4.5	PUMP 5 BBLs H ₂ O
7:36	300		13	5	MIX 50 SKS Scavenger
7:43	300		28	5	MIX 125 SKS 50/50 POZ
7:49	—		4	3	WASH PUMP + LINE
7:51	—		—	—	release plug
7:52	200		—	6	START DISPLACEMENT
8:01	300		58	5	LIFT PRESSURE
8:05	500		72	2.5	SLOW RATE
8:09	800/1300		81.5		Plug Down, PSE TO 1300, release + hold
8:15	—		7.5		Plug RATE + mouse holes
					CIRC TRAIL JOB
					JOB COMPLETE
					THANK YOU!
					MIKE MATTAI