

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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](mailto: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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--



# GLOBAL OIL FIELD SERVICES, LLC

994 A

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>8-25-17</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Becker Trust</u>	WELL #. <u>19-2</u>	LOCATION			COUNTY <u>Ellsworth</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR Southwind

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 288

CASING SIZE 2 3/8 DEPTH 277

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 25 lb

PERFS

DISPLACEMENT 16 3/4

OWNER

CEMENT AMOUNT ORDERED 200sv 60/40 3%CC

2%gel

COMMON @ \_\_\_\_\_

POZMIX @ \_\_\_\_\_

GEL @ \_\_\_\_\_

CHLORIDE @ \_\_\_\_\_

ASC @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING @ \_\_\_\_\_

MILEAGE @ \_\_\_\_\_

TOTAL \_\_\_\_\_

EQUIPMENT

PUMP TRUCK CEMENTER Heath

# 417 HELPER Jason

BULK TRUCK DRIVER Kris

# 410

BULK TRUCK DRIVER

# \_\_\_\_\_

REMARKS:

Run 7 hrs of 8 5/8 casing and landing 1st

est circulation with mud pump

Hook up and mix 200sv and disp 16 3/4 bbl

of 420 - shut in @ 200 ps.

Cement did circulate to surface

CHARGE TO: LB Exploration

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Global Oil Field Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Wesley P. Papp

SIGNATURE Wesley P. Papp

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE @ \_\_\_\_\_

MANIFOLD @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

Customer LIS EXPIRATION	Lease No.	Date 8-30-17	
Lease Becker Trust	Well # 2		
Field Order # 15321	Station Pratt	Casing 5 1/2	Depth 3290
		County Ellsworth	State K1
Type Job 2-42 5 1/2 packer shoe long string	Formation A-Buckley	Legal Description 19-16S-08W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft.		Acid		RATE	PRESS	ISIP
Depth 3285	Depth	From	To	Pre Pad	Max			5 Min.
Volume 80.1	Volume	From	To	Pad	Min			10 Min.
Max Press 1500	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 3264.12	Packer Depth	From	To	Flush 79.6	Gas Volume			Total Load

Customer Representative Michael Popoma	Station Manager Westman	Treater MATTAI
---	----------------------------	-------------------

Service Units	83353	18982	86779	14959	19919				
Driver Names	MATTAI	GRAV		White					

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
7:15					ON LOCATION/SARRY MEETING
11:25					run 5 1/2 14" casing w. packer shoe
					THROTTLE ON 1-12
12:45					CASING N-A BOTTOM, CIRCUMFERENTIAL
					ON LANDING SI
2:25					CSAS ON BOTTOM, Hook to CSAS
4:21	1900		1.5		SET PACKER SHOE/Rig Pump Down
4:38	3		12	3.5	PUMP 12 bbl mud flush
4:41	3		5	3.5	PUMP 5 bbl water
4:42	3		33	5	Mix 12S 5% AA-2
4:53			4	3	WASH PUMP LINE / DIOP Plug
4:56	350			7	START KCL DISPERMIN
5:04	400		56	7	LIFT PRESSURE
5:06	400		70	3	slow rate
5:08	1500		79.6		Plug Down / release of HHP
5			7		Plug RAT hole
					COMPLETE JOB
					THANK YOU!
					Michael Mattai
					Scott Brien



**Company: LB Exploration INC**  
**Lease: Becker Trust 19 #2**

SEC: 19 TWN: 16S RNG: 8W  
 County: ELLSWORTH  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 9  
 Elevation: 1725 SUR  
 Field Name: Oxhide  
 Pool: Infield  
 Job Number: 50

**DATE**  
 August  
**29**  
 2017

**DST #1**      **Formation: ARBUCKLE**      **Test Interval: 3207 - 3290'**      **Total Depth: 3290'**  
 Time On: 20:23 08/29      Time Off: 02:26 08/30  
 Time On Bottom: 22:33 08/29      Time Off Bottom: 23:28 08/29

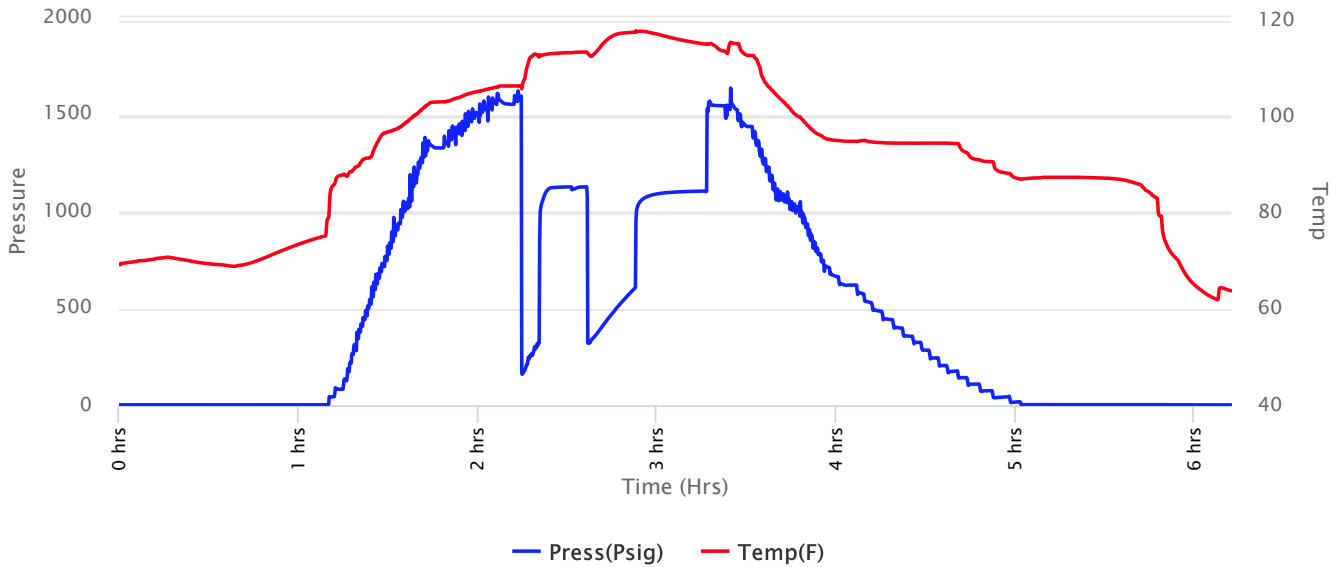
Electronic Volume Estimate:  
 1899'

1st Open  
 Minutes: 5  
 56.2" at 5 min

1st Close  
 Minutes: 15  
 0" at 15 min

2nd Open  
 Minutes: 15  
 199.2" at 15 min

2nd Close  
 Minutes: 20  
 .1" at 20 min





**Company: LB Exploration INC**  
**Lease: Becker Trust 19 #2**

SEC: 19 TWN: 16S RNG: 8W  
 County: ELLSWORTH  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 9  
 Elevation: 1725 SUR  
 Field Name: Oxhide  
 Pool: Infield  
 Job Number: 50

**DATE**  
 August  
**29**  
 2017

**DST #1**      **Formation: ARBUCKLE**      **Test Interval: 3207 - 3290'**      **Total Depth: 3290'**  
 Time On: 20:23 08/29      Time Off: 02:26 08/30  
 Time On Bottom: 22:33 08/29      Time Off Bottom: 23:28 08/29

Recovered

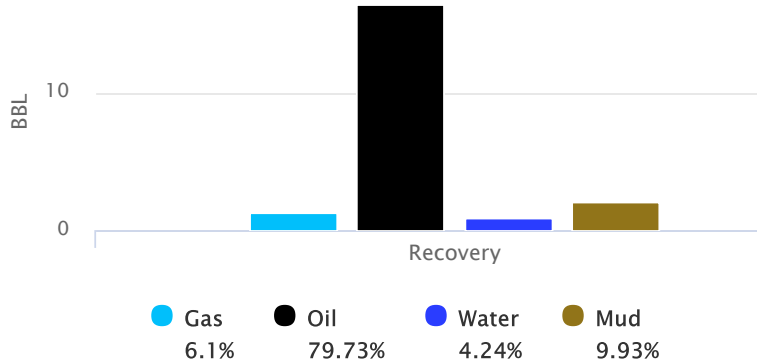
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
275	3.91325	SLMCSLGCO	14	74	0	12
715	10.17445	O	0	100	0	0
336	4.78128	SLGCMCO	13	65	0	22
123	1.75029	SLGCSLOCHMCW	5	15	50	30

Total Recovered: 1449 ft  
 Total Barrels Recovered: 20.61927

Reversed Out  
 NO

Initial Hydrostatic Pressure	1556	PSI
Initial Flow	163 to 322	PSI
<b>Initial Closed in Pressure</b>	<b>1126</b>	<b>PSI</b>
Final Flow Pressure	321 to 607	PSI
<b>Final Closed in Pressure</b>	<b>1103</b>	<b>PSI</b>
Final Hydrostatic Pressure	1545	PSI
Temperature	118	°F
Pressure Change Initial Close / Final Close	2.0	%

**Recovery at a glance**





**Company: LB Exploration INC**  
**Lease: Becker Trust 19 #2**

SEC: 19 TWN: 16S RNG: 8W  
County: ELLSWORTH  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1725 SUR  
Field Name: Oxhide  
Pool: Infield  
Job Number: 50

<b>DATE</b> August <b>29</b> 2017
--

<b>DST #1</b>	<b>Formation:</b> <b>ARBUCKLE</b>	<b>Test Interval: 3207 -</b> <b>3290'</b>	<b>Total Depth: 3290'</b>
	Time On: 20:23 08/29	Time Off: 02:26 08/30	
	Time On Bottom: 22:33 08/29	Time Off Bottom: 23:28 08/29	

**REMARKS:**

TOOL SAMPLE:100% OIL, POSSIBLE LOW BTU GAS IN PIPE

Gravity: 36.5 @ 60 degrees F

Ph: 7

RW: .65 @ 60 degrees F

Chlorides: 14000 ppm





**Company: LB Exploration INC**  
**Lease: Becker Trust 19 #2**

SEC: 19 TWN: 16S RNG: 8W  
 County: ELLSWORTH  
 State: Kansas  
 Drilling Contractor: Southwind Drilling,  
 Inc - Rig 9  
 Elevation: 1725 SUR  
 Field Name: Oxhide  
 Pool: Infield  
 Job Number: 50

<p><b>DATE</b>          August  <b>29</b>          2017</p>
---

**DST #1**      **Formation:**      **Test Interval: 3207 -**      **Total Depth: 3290'**  
**ARBUCKLE**      **3290'**

Time On: 20:23 08/29      Time Off: 02:26 08/30  
 Time On Bottom: 22:33 08/29      Time Off Bottom: 23:28 08/29

**Down Hole Makeup**

<b>Heads Up:</b> 25.13 FT	<b>Packer 1:</b> 3202 FT
<b>Drill Pipe:</b> 3206.97 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3207 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3194 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3277 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 83	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	
<b>Packer Sub:</b> 1 FT	<b>Bottom Choke:</b> 5/8"
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 63 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 14 FT <i>4 1/2-FH</i>	





**Company: LB Exploration INC**  
**Lease: Becker Trust 19 #2**

SEC: 19 TWN: 16S RNG: 8W  
County: ELLSWORTH  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1725 SUR  
Field Name: Oxhide  
Pool: Infield  
Job Number: 50

<b>DATE</b> August <b>29</b> 2017
--

**DST #1**      **Formation:**      **Test Interval: 3207 -**      **Total Depth: 3290'**  
**ARBUCKLE**           **3290'**

Time On: 20:23 08/29      Time Off: 02:26 08/30  
Time On Bottom: 22:33 08/29      Time Off Bottom: 23:28 08/29

**Gas Volume Report**

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



# Musgrove

Petroleum Geology  
212 Main Street, Claflin KS

### NOTES

Company: L&B Exploration, Inc.

Lease: Becker Trust # 19-2

Field: Oxhide

Location: N2-N2-SE-SW ( 1090' FSL & 3300' FEL)

Sec: 19 Twsp: 16S Rge: 8W

County: Ellsworth State: Kansas

GL: 1725' KB: 1736'

Contractor: Southwind Drilling, Inc. (Rig #9)

Spud: 08/25/2017 Comp: 08/30/2017

RTD: 3290' LTD: None

Mud Up: 2500' Type Mud: Chemical

API #: 15-053-21354-00-00

Surface Casing: 8 5/8" @288'

Production Casing: 5 1/2" @3285'

Electronic Surveys: None

Formation Testing: Diamond Testing, LLC

Samples Saved From: 2600' to RTD

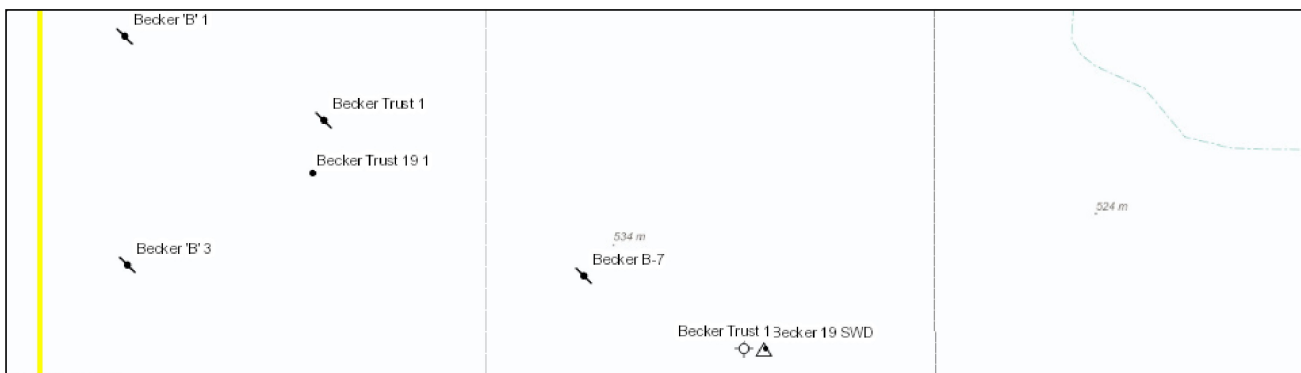
Drilling Time Kept From: 2600' to RTD

Samples Examined From: 2600' to RTD

Geological Supervision from: 2600' to RTD

Geologist on Well: Jim Musgrove (2600' -2810') Wyatt Urban (2810'-RTD)

### LB Eploration, Inc. - Becker Trust # 19-2



S24 T16S-R9W

535 m

S 19-T16S-R8W  
Becker B-6

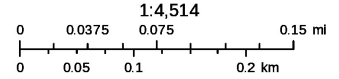
Becker B-8

Becker Trust 19 2

Becker B-5

Becker 1

Becker 2



# LB Exploration , Inc

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
LB Exploration - Becker Trust# 19-2					LB Exploration-Becer Trust # 19-1				Mayfield Smith Drlg-Becker B# 5			
N2-N2-SE-SW 19-16S-8W					NW-SE-NW-SW 19-16S-8W				NE-SE-SW 19-16S-8W			
1736 KB					1705 KB				1711 KB			
					Structural Relationship				Structural Relationship			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	2638	-902			2613	-908	6		2617	-906	4	
Toronto					2634							
Douglas	2673	-937			2648	-943	6					
Brown Lime	2758	-1022			2735	-1030	8		2738	-1027	5	
Lansing	2773	-1037			2750				2754	-1043	6	
BKC	3080	-1344			3053	-1348	4		3057	-1346	2	
Marmaton	3107	-1371			3081	-1376	5					
Conglomerate	3128	-1392			3103	-1398	6		3136	-1425	33	
Chert. Cong.	3164	-1428			3131	-1426	-2					
Viola	3194	-1458			3164	-1459	1		3183	-1472	14	
Simpson	3226	-1490			3194	-1489	-1		3216	-1505	15	
Simpson Sd.	3253	-1517			3229	-1524	7					
Arbuckle	3283	-1547			3254	-1549	2		3263	-1552	5	
RTD	3290	-1554			3262	-1557	3		3270	-1559	5	
LTD												



**Company: LB Exploration, Inc.**  
**Lease: Becker Trust 19 #2**

Tester: Michael Carroll  
On-Site Contact: Musgrove Petroleum

SEC: 19 TWN: 16S RNG: 8W  
County: ELLSWORTH  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 9  
Elevation: 1725 GL  
Field Name: Oxhide  
Pool: Infield  
Job Number: 50

**DATE**  
August  
**29**  
2017

**DST #1**    **Formation: Arbuckle**    **Test Interval: 3207 - 3290'**    **Total Depth: 3290'**  
Time On: 20:23 08/29    Time Off: 02:26 08/30  
Time On Bottom: 22:33 08/29    Time Off Bottom: 23:28 08/29

Mud Properties

Down Hole Makeup

Gas To Surface: NO

Tester Communication

Well Flow: NO

Default View

Electronic Volume Estimate:  
1899'

1st Open  
Minutes: 5  
56.2" at 5 min

1st Close  
Minutes: 15  
0" at 15 min

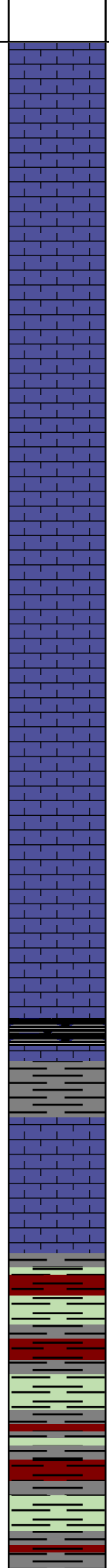
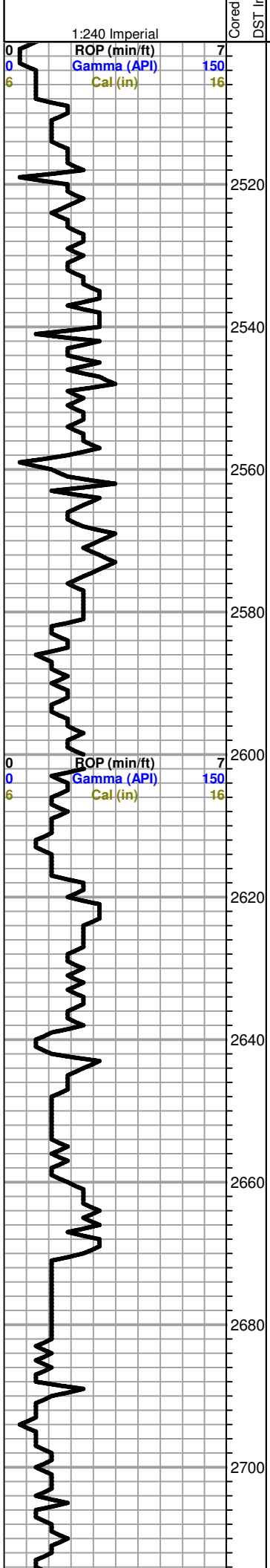
2nd Open  
Minutes: 15  
199.2" at 15 min

2nd Close  
Minutes: 20  
.1" at 20 min

Download Recorder File





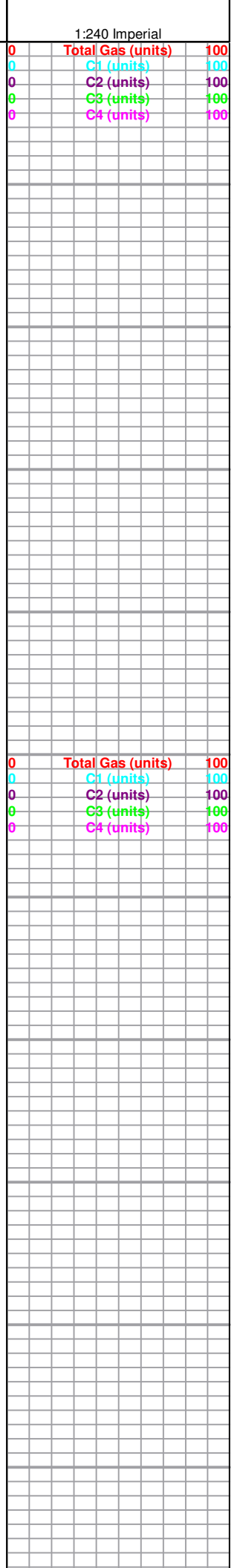


**Heebner 2638.0 (-902.0)**

Sh, black carb  
 Sh, gry, gryish, green  
 LS, white, gry, fxl, few foss, chalky, no shows

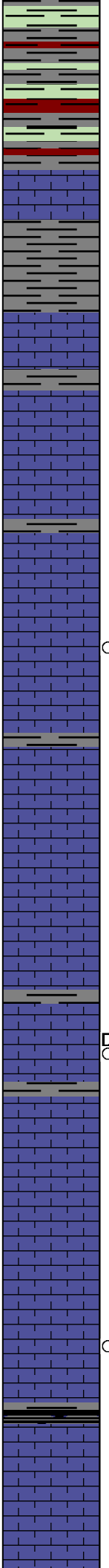
**Douglas 2672.0 (-936.0)**

Sh, gry, maroon, grayish, green  
 Sh, gry, greenish, a/a  
 Sd, gry, white, tan, vfg, mica, "shaley", friable in parts



2720  
2740  
2760  
2780  
2800  
2820  
2840  
2860  
2880  
2900  
2920

ROP (min/ft) 7  
Gamma (API) 150  
Cal (in) 16



Sh, a/a

LS, tan, fxl, foss, chalky, no shows

Sh, gry, dk gry, shale, +gry, mica silty sh.

**Brown Lime 2758.0 (-1022.0)**

LS, tan, fxl, chalky

**Lansing 2773.0 (-1037.0)**

LS, white, gry, fxl, foss, scattered porosity, no shows

○ LS, tan, brn, oom, light brown edge staining, nsfo, no odor

LS, tan, buff, foss/ool, poorly developed p.p./vuggy type porosity, no shows

○ LS, tan, brn, fxl, few oom/ foss, tr. brn stain, lt. sppty (dead) blk sfo, no odor

LS, tan, oom, good vuggy porosity, chalky, nsfo, no odor

○ LS, a/a, tr. brn stain, nsfo, ft. odor

Slug black carb

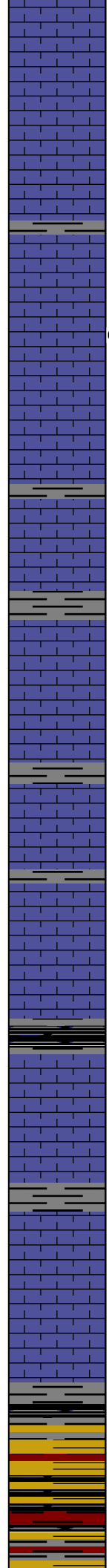
LS, white, cream, fxl, poor - fair scattered p.p. porosity, chalky, no shows

0 Total Gas (units) 100  
0 C1 (units) 100  
0 C2 (units) 100  
0 C3 (units) 100  
0 C4 (units) 100



2940  
2960  
2980  
3000  
3020  
3040  
3060  
3080  
3100  
3120  
3140

ROP (min/ft) 7  
Gamma (API) 150  
Cal (in) 16



LS, white, cream, fxl, foss/ool, poorly developed, poor visible porosity, tr. cherts, opaque, white, nsfo

LS, tan, brn, foss, oom, poorly developed vuggy porosity, poor visible porosity, tr. blk, gry stain, nsfo, no odor

LS, a/a, tr. sh, gry, greenish

Sh, gry, greenish, black carb

LS, cream, tan, buff, fxl, dense, poor visible porosity, dense, cherty tr. white, opaque cherts

LS, tan, ool, poor-fair scattered porosity, chalky, no shows

LS, tan, cream, fxl, dense, poor visible porosity, no shows

**BKC 3080.0 (-1344.0)**

Sh, blk, greenish, silty, tr. pyrite

LS, tan, buff, few mott. dense, poor visible porosity, cherty in pts

Sh, brn, greenish, gry, silty

**Marmaton 3107.0 (-1371.0)**

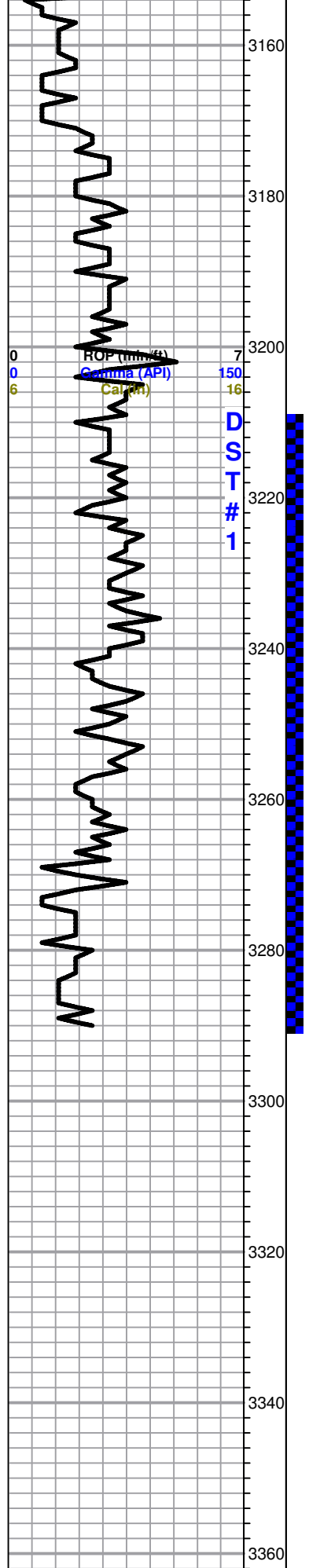
LS, tan, cream, foss, scattered vuggy oom type porosity, chalky, no shows

**Conglomerate 3128.0 (-1392.0)**

Slug soft maroon shale, greenish, black silty/ sdy

Sh, maroon, greenish, purple, silty

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



**Cong. Chert 3164.0 (-1428.0)**

Sh, a/a, tr. white, opaque, cherts, no sfo, (few ool. LS, cavings???)

**Viola 3194.0 (-1455.0)**

LS, white, foss, ool, poor visible porosity, chalky, no shows

LS, white, cream, fxl, dense, chalky, no shows

**Simpson 3226.0 (-1490.0)**

LS, a/a, tr. cherts, orange, red, opaque, no shows, no odor, (slug black carb)

Sh, a/a, tr. sd, clr, calc. nsfo, no odor

**Simpson Sand 3253.0 (-1517.0)**

Sd. gry, clr, sub rounded, fri, tr. brn stain, nsfo, no odor

Sd. gry, sub rounded, fri. well sorted, brn stain, sfo, ft. odor

Sd. clr, qtz, sub rounded, sorted, friable, brn stain, sfo, fair odor

**Arbuckle 3283.0 (-1547.0)**

Dol. tan, suc. fxl, poor-fair scattered p.p. porosity, brn stain, sfo, ft.-fair odor

**RTD 3290.0 (-1554.0)**

**DST#1 3207- 3290**

5-15-15-20

1st Open:  
BOB 20 sec.

2nd Open:  
BOB 15 sec.

Recovery:  
715' Clean Oil

275' SLMCSLGCO  
(14%G, 74%O, 12%M)

336' SLGCMCO  
(13%G, 65%O, 22%M)

123'  
SLGCSLOCHMCW  
(5%G, 15%O, 50%W, 30%M)

Pressures:  
ISIP 1126 psi  
FSIP 1103 psi  
IFP 163-322 psi  
FFP 321-607 psi  
HSH 1556-1545 psi

3380