



KANSAS CORPORATION COMMISSION 1104979
OIL & GAS CONSERVATION DIVISION

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 # 33186
Name: LB Exploration, Inc.
Address 1: 2135 2ND RD
Address 2: _____
City: HOLYROOD State: KS Zip: 67450 + 9021
Contact Person: Michael Petermann
Phone: (785) 252-8034
CONTRACTOR: License # 34541
Name: Ninnescah Drilling LLC
Wellsite Geologist: Scott Alberg
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

Conv. to GSW

Plug Back: _____ Plug Back Total Depth _____

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

ENHR Permit #: _____

GSW Permit #: _____

<u>12/1/2011</u>	<u>12/9/2011</u>	<u>5/10/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23814-00-00

Spot Description: _____
NE NE SE Sec. 22 Twp. 32 S. R. 13 East West
2310 Feet from North / South Line of Section
330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Barber

Lease Name: Spencer's Bluffs Well #: 4

Field Name: _____

Producing Formation: Mississippi

Elevation: Ground: 1641 Kelly Bushing: 1654

Total Depth: 5200 Plug Back Total Depth: 4975

Amount of Surface Pipe Set and Cemented at: 349 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: 120000 ppm Fluid volume: 480 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite: _____

Operator Name: BEMCO

Lease Name: Mac License #: 32613

Quarter NW Sec. 7 Twp. 32 S. R. 1 East West

County: Barber Permit #: D21045

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: Deanna Garrison Date: 12/19/2012



1104979

Operator Name: LB Exploration, Inc. Lease Name: Spencer's Bluffs Well #: 4
 Sec. 22 Twp. 32 S. R. 13 East West County: Barber

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Compensated Porosity Microresistivity Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Arbuckle</td> <td>4952</td> <td>-3298</td> </tr> </table>	Name	Top	Datum	Arbuckle	4952	-3298
Name	Top	Datum					
Arbuckle	4952	-3298					

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	349	Class A	300	2% gel 3% cc
Production	7.875	5.5	14	5017	AA2	165	6% salt 5% gilsonite

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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 (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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 037902

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Med. vint. Lohse, ks

DATE <i>12-1-2011</i>	SEC <i>32</i>	TRP <i>325</i>	RANGE <i>13W</i>	CALLED OUT <i>3:30 AM</i>	ON LOCATION <i>3:30 AM</i>	JOB START <i>7:00 AM</i>	JOB FINISH <i>2:30 PM</i>
SPONSOR'S LEASE <i>31246</i>				WELL # <i>4</i>		LOCATION <i>160 & Twin Peaks Rd, 2 1/2 S</i>	
OLD OR (NEW) (Circle one)				COUNTY <i>OSborne</i>		STATE <i>KS</i>	

CONTRACTOR *Umpire South Drilling* OWNER *L B Exploration*

TYPE OF JOB *5 1/2" Ream*

HOLE SIZE <i>12 1/4</i>	T.D. <i>355'</i>
CASING SIZE <i>8 5/8</i>	DEPTH <i>345'</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <i>20'</i>	
PERFS	
DISPLACEMENT <i>21 bbls OF Fresh Wate</i>	

CEMENT AMOUNT ORDERED *300 Sack Class #1 2 1/2" x 6 1/2" 3" occ*

COMMON	<i>300 sacks #1 @ 16.25</i>	<i>4875.00</i>
POZMIX		
GEL	<i>10 SACKS @ 21.85</i>	<i>218.50</i>
CHLORIDE	<i>11 SACKS @ 38.20</i>	<i>420.20</i>
ASC		
HANDLING	<i>37 @ 2.25</i>	<i>81.75</i>
MILEAGE	<i>10 x 317 x .41</i>	<i>348.70</i>
TOTAL		<i>5743.15</i>

PUMP TRUCK	CEMENTER <i>Dean F</i>
<i># 360-25</i>	HELPER <i>Tyson T</i>
BULK TRUCK	
<i># 364</i>	DRIVER <i>Adam M</i>
BULK TRUCK	
<i>#</i>	DRIVER

REMARKS:

*Pipe on bottom & block circulation
pump 3 bbls fresh water shear, mix
300 Sack of cement, shut down, Release
plug, Sack & displacement, Pump 21
bbls OF Fresh water, shut in, Cement
and Circulate*

SERVICE

DEPTH OF JOB	<i>345'</i>	
PUMP TRUCK CHARGE	<i>1125.00</i>	
EXTRA FOOTAGE	<i>49 @ N/C</i>	
MILEAGE	<i>20 @ 7.00</i>	<i>140.00</i>
MANIFOLD <i>Head tank</i>	<i>2 @ 100.00</i>	<i>200.00</i>
Light Vehicle	<i>20 @ 4.00</i>	<i>80.00</i>
TOTAL		<i>1545.00</i>

CHARGE TO: *L B Exploration*
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<i>8-5/8</i>		
<i>1 wooden plug</i>	<i>@</i>	<i>99.00</i>
	<i>@</i>	
	<i>@</i>	
	<i>@</i>	
TOTAL		<i>99.00</i>

To Allied Cementing Co., 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.

SALES TAX (if Any)	
TOTAL CHARGES	<i>\$8341.15</i>
DISCOUNT	<i>20% IF PAID IN 30 DAYS</i>
	<i>Net \$6673.32</i>

PRINTED NAME *X*

SIGNATURE *X [Signature]*

Thank you!!!

BASIC

energy services, L.P.

TREATMENT REPORT

Customer	L.B. Exploration	Lease No.		Date	12-9-11
Lease	Spencer Bluff	Well #	21		
Field Order #	5471	Station	Pratt	Casing	5 1/2" 11"
				Depth	5017
Type Job	C.N.W. 5 1/2" H.S.	Formation		County	Barber
				State	KS
				Legal Description	20-32-13

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size"	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5 1/2"			165	AA2				
Depth	Depth	From	To	Pre Pad	Max			5 Min.
5017				2.5				
Volume	Volume	From	To	Pad	Min			10 Min.
12.4				60/40				
Max Press	Max Press	From	To	Frac	Avg			15 Min.
1360								
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load
				111.3				

Customer Representative	Michael Pittman	Station Manager	Dave Scott	Treater	Steve Orlando
Service Units	27223	27463	19830/21010		
Driver Names	01-00	01-00	McCaskoy		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00					On location - Safety Meeting
					Run 117 5/8 5 1/2 Casing
					Packer Shoe on Bottom 47.55
					Control Valve 1-3-5-2-8-11-14-15
					Casing on Bottom Break Circled
					Set Packer Shoe
11:10	300		20	5	KCL H2O
11:15	300		5	5	H2O spacer
11:16	300		12	5	mod flush
11:19	300		5	5	H2O spacer
11:20	250		45	5	mix 165 gal AA2 cement w/ 4.8% gel
					Shut Down Clear Pumps
					Release Plug
11:34	0	0	0	6	Start H2O Displacement
11:40	400		100	5	L.C.P. pressure
11:42	600		110	4	Slow Rate
11:45	1400		101.5	4	plug Down - Hold
					mix 300 gal RH - Jones mix
					Shut Down - This Job
					Tub Confirmed
					Trucker Status



DRILL STEM TEST REPORT

Prepared For: **LB Exploration LLC**
2135 2ND Road
Holyrood, Kansas 67450+9021

ATTN Kurt Talbott

22/32S/13W/Barber

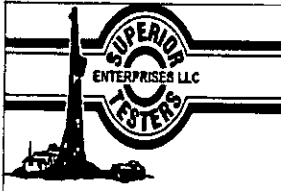
Spencers Bluff #4

Start Date: 2011.12.05 @ 21:18:00
End Date: 2011.12.06 @ 06:03:30
Job Ticket #: 18810 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed 2011.12.09 @ 14:57:22

LB Exploration LLC
Spencers Bluff #4
22/32S/13W/Barber
DST # 1
Massy/Mississippi
2011.12.05



DRILL STEM TEST REPORT

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67450-9021
 ATTN: Kurt Talbott

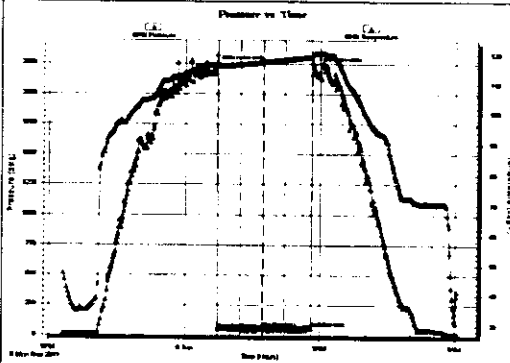
Spencers Bluff #4
22/32S/13W/Barber
 Job Ticket: 18810 DST#: 1
 Test Start: 2011 12 05 @ 21:18:00

GENERAL INFORMATION

Formation: **Massy/Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:43:30
 Time Test Ended: 06:03:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Pratt/78
 Interval: 4370.00 ft (KB) To 4420.00 ft (KB) (TVD)
 Total Depth: 4420.00 ft (KB) (TVD)
 Reference Elevations: 1654.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 1641.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6749 Inside
 Press@RunDepth: 65.57 psig @ 4416.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2011 12 05 End Date: 2011 12 06 Last Calib: 2011 12 06
 Start Time: 21:19:00 End Time: 06:04:00 Time On Btm: 2011 12 06 @ 00:42:00
 Time Off Btm: 2011 12 06 @ 02:51:00

TEST COMMENT: 1ST Open: 30 Minutes/Weak blow/Blow built to 14 inch/Blow died in 27 minutes
 1ST Shut In: 30 Minutes/No blow back
 2ND Open: 30 Minutes/No blow
 2ND Shut In: 30 Minutes/No blow back



PRESSURE SUMMARY			
Time (Min)	Pressure (psig)	Temp (deg F)	Annotation
0	2234.31	116.57	Initial Hydro-static
2	55.83	116.36	Open To Flow (1)
31	55.91	116.62	Shut-In (1)
61	67.55	117.36	End Shut-In (1)
62	58.78	117.39	Open To Flow (2)
91	60.81	118.21	Shut-In (2)
126	65.57	119.19	End Shut-In (2)
129	2222.86	120.29	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bb)
15.00	Mud 100%	0.22

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mscf)



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67450-9021
 ATTN: Kurt Talbott

Spencers Bluff #4
22/32S/13W/Barber
 Job Ticket: 18810 DST#: 1
 Test Start: 2011 12 05 @ 21 18 00

Mud and Cushion Information

Mud Type	Gel Chem	Cushion Type		Oil API	deg API
Mud Weight	10.00 lb/gal	Cushion Length	ft	Water Salinity	ppm
Viscosity	50.00 sec/qt	Cushion Volume	bbt		
Water Loss	8.79 in ³	Gas Cushion Type			
Resistivity	ohm.m	Gas Cushion Pressure	psig		
Salinity	5800.00 ppm				
Filter Cake	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbt
15.00	Mud 100%	0.219

Total Length: 15.00 ft Total Volume: 0.219 bbt
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial # 6749

Inside LB Exploration LLC

22/32S/13W/Barber

OST Test Number: 1

