

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1278072

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 #		API No. 15
Name:		Spot Description:
Address 1:		SecTwpS. R 🔲 East 🗌 West
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 #		GPS Location: Lat:, Long:
Name:		(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84
Purchaser:		County:
Designate Type of Completion:		Lease Name: Well #:
New Well Re-Entry	Workover	Field Name:
		Producing Formation:
☐ Oil ☐ WSW ☐ SWD		Elevation: Ground: Kelly Bushing:
		Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):		Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows		If yes, show depth set: Feet
Operator:		If Alternate II completion, cement circulated from:
Well Name:		feet depth to:w/sx cmt.
Original Comp. Date: Origin	al Total Depth:	
Deepening Re-perf. Conv.	to ENHR Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. f	to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #:		Chloride content: ppm Fluid volume: bbls
_		Dewatering method used:
<u> </u>		Location of fluid disposal if hauled offsite:
ENHR Permit #:		
GSW Permit #:		Operator Name:
		Lease Name: License #:
Spud Date or Date Reached TD	Completion Date or	QuarterSecTwpS. R East West
Recompletion Date	Recompletion Date	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:

Page Two



Operator Name:			L	ease Name: _			Well #:	
Sec Twp	S. R	East We	est C	County:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes Yes	No No					
List All E. Logs Run:								
		(	CASING REC	ORD Ne	w Used			
		· ·		ıctor, surface, inte	ermediate, producti		T	
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cem	ent #	Sacks Used		Type and Pe	ercent Additives	
Perforate Protect Casing	100 20111111							
Plug Back TD Plug Off Zone								
1 lag on zono								
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)
Does the volume of the to		•				_	o question 3)	(" 100 ")
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth
	, ,				,		,	
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:			
						Yes No		
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity
DIODOCITI	ON OF CAS:		, 4 CT - 1		TION:		DRODUCTIO	AN INTEDVAL.
Vented Solo	ON OF GAS:  Used on Lease	Open Ho		IOD OF COMPLE $\Box$		nmingled	PHODUCIIC	ON INTERVAL:
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Wheatfield 35 1
Doc ID	1278072

### All Electric Logs Run

Neutron Density
Micro
Dual Induction
Sonic

Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Wheatfield 35 1
Doc ID	1278072

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	423	common	2% gel 3% cc
Production	7.875	5.5	14	3516	AA2	5# gilsonite

## ALLIED OIL & GAS SERVICES, LLC 063699

IF PAID IN 30 DAYS

Federal Tax I.D. # 20-8651475 REMIT TO P.O. BOX 93999 SERVICE POINT: SOUTHLAKE, TEXAS 76092 Great Bendis TWP. RANGE CALLED OUT DATE 7-4-15 ON LOCATION JOB START 1130 PM 14 JOB FINISH LEASE PLEID 35 WELL # 1230 AM STATE LOCATION NO-+4 281 COUNTY OLD OR NEW Circle one Bartoz into 2.01 CONTRACTOR Winnescah D-1116 mg OWNER TYPE OF JOB SU-ALLY T.D. 425 CEMENT CASING SIZE & 5 DEPTH AMOUNT ORDERED 225 SX C1935 A TUBING SIZE DEPTH +3% DRILL PIPE DEPTH TOOL DEPTH PRES. MAX MINIMUM COMMON 225 @ 17.90 MEAS. LINE SHOE JOINT POZMIX CEMENT LEFT IN CSG. GEL PERFS. @ CHLORIDE 634 @1.10 DISPLACEMENT 25:79 Aucsh ASC. @ EQUIPMENT @ 4.724. @ **PUMP TRUCK** CEMENTER WAX - Dave @ HELPER Break have # Bldg @ BULK TRUCK # 871/112 @ DRIVER (a) **BULK TRUCK** @ DRIVER @ HANDLING 236.25 @ 2.48 585.90 MILEAGE 10.89 X 5 2.75 149. 24 REMARKS: TOTAL \_ Circulation with Rie SERVICE Kan 5 BBLS water Mix 225 BX Class A+3961 Release Plus DEPTH OF JOB PUMP TRUCK CHARGE 1512.35 fact DED Place one- of EXTRA FOOTAGE did MILEAGE Hum @ 7.70 38.50 Rig Down MANIFOLD (a) @ 4.40 22.00 @ Mostorald X3 CHARGE TO: L - B TOTAL 2.308. 39 STREET \_ 48%1.108.03 STATE ... ZIP PLUG & FLOAT EQUIPMENT wooden Plus 0 @ To: Allied Oil & Gas Services, LLC. 0 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 TOTAL //0.00 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL 483 57.80 362,61 SALES TAX (If Any) \_\_\_ TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES 7.143, 29
DISCOUNT 3. 428, 78 DISCOUNT\_

PRINTED NAME

SIGNATURE SILVER ROMAN



### TREATMENT REPORT

Customer	rplorsr.	0	Fre		L	ease N	o.					Date					
	hest fil		35		V	Vell #	1				-	-	-	7-10	1 201	/	
Field Order	# Stati		1	1,105				Casing	5/2	Dept	h3316	County					ate /cs
Type Job	CNWI	51	2 L	nesi	41.	nc			Fo		JD-3	3 1 20	12	S / +O	escription		163
PIF	PE DATA		1	FORATI			T	ELLUC			100						
Casing Size	Tubing S	Size	Shots/F			DAIA	+-	cid	USED						RESUM	E	
Depth 35/				·			+	re Pad				RATE	PRES		ISIP		
Volume 84			From		То		_	ad	-	-	Max				5 Min.		
Max Press	Max Pre	ss	From		То		1	ac							10 Min.		
Well Connect			From		То		+''				Avg				15 Min.	_	
Plug Depth	Packer D		From		To		+=	ush + C/			HHP Used				Annulus		ure 
Customer Re	14	орит	From		То	Static	n Mai	nager Ke			Gas Volun				Total Loa	ad	
			h5-1					100	n 6	012	ley	Treater	N	Srin	F19	nje	1,2
Service Units Driver		8	4581	1984	3	709	55	73768	4				_				
Names	Casing	T	ubing	Ed.		Fi	)	ドナ	+								
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		_															
7-14		_			g-cate.	_		above.									
2:30 pm	300	<u> </u>			5	_		5	BL	MP	5 651	SWS	te	~			
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30pm	-8										Jub	Com	010	4e/)	DSII	201	ea
											1	nen	11	YOU!	1/		



#### DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544

(800) 542-7313

**DRILL-STEM TEST TICKET** FILE: WHTFLD35-1DST1

TIME ON: 2335 (7/19)

TIME OFF: 0710 (7/10)

FILE: WHIF	LD35-1D511
Company_LB EXPLORATION,INC.	Lease & Well No. WHEATFIELD 35 #1
Contractor NINNESCAH DRILLING, LLC RIG 101	Charge to LB EXPLORATION,INC.
Elevation1958 GLFormationTORONT	O Effective PayFt. Ticket NoM773
Date 7/9/2015 Sec. 35 Twp. 16 S R	ange14 W CountyBARTONStateKANSAS
Test Approved By STEVEN PETERMANN	Diamond Representative MIKE COCHRAN
Formation Test No. 1 Interval Tested from 3	119 ft. to 3142 ft. Total Depth 3142 ft.
Packer Depth 3114 ft. Size 6 3/4 in.	Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3119 ft. Size 6 3/4 in.	Packer depth NA ft. Size6 3/4 in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 3108 ft.	Recorder Number5448 Cap5,000 P.S.I.
Bottom Recorder Depth (Outside)ft.	Recorder Number 0063 Cap. 5,000 P.S.I.
Below Straddle Recorder Depthft.	Recorder NumberCapP.S.I.
Mud Type CHEM Viscosity 50	Drill Collar Length         0 ft.         I.D.         2 1/4         in.
Weight8.8         Water Loss8.2         cc	. Weight Pipe Length ft. I.D 2 7/8 in
Chlorides 1,000 P.P.M.	Drill Pipe Length in 3 1/2 in
Jars: MakeSTERLINGSerial NumberNA	Test Tool Length 25 ft. Tool Size 3 1/2-IF in
Did Well Flow?NOReversed OutNO	Anchor Length 23 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.	Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open: SSB BOB 15 MIN	(¼" BB)
2nd Open: SSB BOB 12 MIN	(1" BB)
Recovered	
Recovered<1 ft. of CO (~3-4 INCHES)	
Recovered 349 ft. of VSOSGMW 2% GAS, 76% WTR ~229	% MUD W/ A THICK SCUM OF OIL
Recovered350 ft. of TOTAL FLUID	
Recoveredft. of CHLOR: 95,000 PPM	Price Job
Recoveredft. of RW: .24 @ 70 DEG	Other Charges
Remarks: PH: 7.0	Insurance
TOOL SAMPLE: ~1% GAS, 99% WTR W/ A THIN SCUM OF OIL	Total
2:45 A.M. A.M.	5:20 A M A.M. 102°E
Time Set Packer(s) 2:15 A.M. P.M. Time Started Off Bo	
Initial Hydrostatic Pressure	
Initial Flow Period	(B) 24 P.S.I. to (C) 86 P.S.I.
Initial Closed In Period	(D)657 P.S.I.
Final Flow Period	(E) 79 P.S.I. to (F) 178 P.S.I.
Final Closed In PeriodMinutes90	(G) 638 P.S.I.
Final Hydrostatic Pressure	(H)1459 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

### **Pressure Survey Report**

### **General Information**

Company Name Well Name Unique Well ID Surface Location Field Well Type LB EXPLORATION,INC. Job Number
WHEATFIELD 35 #1 Representative
DST#1 3119-3142 TORONTO Well Operator
SEC.35-16S-14W BARTON CO.KS. Report Date
WILDCAT Prepared By

CO.KS. Report Date
ILDCAT Prepared By
Vertical Qualified By
Test Unit

M773
MIKE COCHRAN
LB EXPLORATION,INC.
2015/07/10
MIKE COCHRAN
STEVEN PETERMANN

#### **Test Information**

Test Type CONVENTIONAL Formation DST#1 3119-3142 TORONTO Test Purpose (AEUB) Initial Test

 Start Test Date
 2015/07/09 Start Test Time
 23:35:00

 Final Test Date
 2015/07/10 Final Test Time
 07:10:00

 Well Fluid Type
 01 Oil

Gauge Name 5448

**Gauge Serial Number** 

### **Test Results**

Remarks RECOVERED:

~90 GIP <1' CO

349' VSOSGMW 2% GAS, 76% WTR ~22% MUD W/ A THICK SCUM OF OIL

~350' TOTAL FLUID

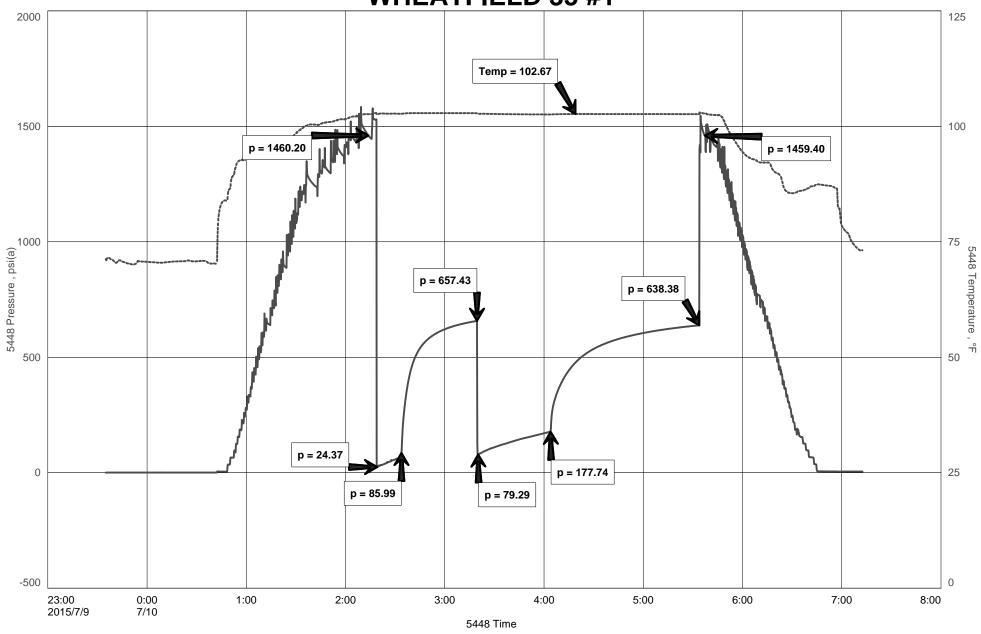
CHLOR: 95,000 PPM PH:7.0

RW: .24 @ 70 DEG

TOOL SAMPLE: ~1% GAS, 99% WTR W/ A THIN SCUM OF OIL

LB EXPLORATION,INC. DST#1 3119-3142 TORONTO Start Test Date: 2015/07/09 Final Test Date: 2015/07/10 WHEATFIELD 35 #1 Formation: DST#1 3119-3142 TORONTO

Pool: WILDCAT Job Number: M773





## P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

### DRILL-STEM TEST TICKET

FILE: WHTFLD35-1DST2

TIME ON: 1420
TIME OFF: 1840

Company_LB EXPLORATION,INC.	Lease & Well No. WHEATFIELD 35 #1
Contractor NINNESCAH DRILLING, LLC RIG 101	Charge to LB EXPLORATION,INC.
Elevation 1958 GL Formation LANSING	B Effective PayFt. Ticket NoM774
Date         7/10/2015         Sec.         35         Twp.         16         S           Test Approved By STEVEN PETERMANN	
Formation Test No. 2 Interval Tested from	
Packer Depth 3208 ft. Size 6 3/4 in.	
Packer Depth 3213 ft. Size 6 3/4 in.	Packer depthNA ft. Size 6 3/4 in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 3203 ft.	Recorder Number5448 Cap5,000 P.S.I.
Bottom Recorder Depth (Outside)ft.	Recorder Number 0063 Cap. 5,000 P.S.I.
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.
Mud Type CHEM Viscosity 55	Drill Collar Length 0 ft. I.D. 2 1/4 in
Weight 8.9 Water Loss 8.2~8 c	c. Weight Pipe Lengthft. I.D2 7/8 i
Chlorides 5,000 P.P.M.	Drill Pipe Length 3188 ft. I.D 3 1/2 ir
Jars: Make STERLING Serial Number NA	Test Tool Length 25 ft. Tool Size 3 1/2-IF in
Did Well Flow?NOReversed OutNO	Anchor Length 13 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.	Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open: A FEW BUBBLES ON TOOL OPEN	THEN NO BLOW (NO BB)
<sup>2nd Open:</sup> NO BLOW, FLUSH TOOL, NO HELP	
Recovered 5 ft. of VSOSM ~100% MUD W/ SOME SPECK	S OF OIL
Recovered 5 ft. of TOTAL FLUID	
Recoveredft. of	
Recovered ft. of	
Recoveredft. of	
Recoveredft. of	Other Charges
Remarks:	Insurance
TOOL SAMPLE: ~100% MUD W/ A VERY THIN SCUM OF OIL	Total
Time Set Packer(s) 4:15 P.M. A.M. P.M. Time Started Off E	ottom5:15 P.MP.MMaximum Temperature102°F
Initial Hydrostatic Pressure	
Initial Flow Period	(B)12 <sub>P.S.I.</sub> to (C)12 <sub>P.S.I.</sub>
Initial Closed In Period	(D)525 <sub>P.S.I.</sub>
Final Flow Period Minutes 15	(E)12 P.S.I. to (F)13 P.S.I.
Final Closed In PeriodMinutes	(G)UNKNOWN P.S.I.
Final Hydrostatic Pressure	(H)1487 P.S.I.

### **Pressure Survey Report**

M774

### **General Information**

Company Name Well Name Unique Well ID Surface Location Field Well Type LB EXPLORATION,INC. Job Number
WHEATFIELD 35 #1 Representative
DST#2 3213-3226 LANSING B Well Operator
SEC.35-16S-14W BARTON CO.KS. Report Date
WILDCAT Prepared By

Vertical Qualified By

**Test Unit** 

MIKE COCHRAN LB EXPLORATION,INC. 2015/07/10 MIKE COCHRAN STEVEN PETERMANN NO. 3

### **Test Information**

Test Type CONVENTIONAL Formation DST#2 3213-3226 LANSING B Test Purpose (AEUB) Initial Test

 Start Test Date
 2015/07/10 Start Test Time
 14:20:00

 Final Test Date
 2015/07/10 Final Test Time
 18:40:00

 Well Fluid Type
 01 Oil

Gauge Name 5448

Gauge Serial Number

#### **Test Results**

Remarks RECOVERED:

5' VSOSM ~100% MUD W/ SOME SPECKS OF OIL 5' TOTAL FLUID

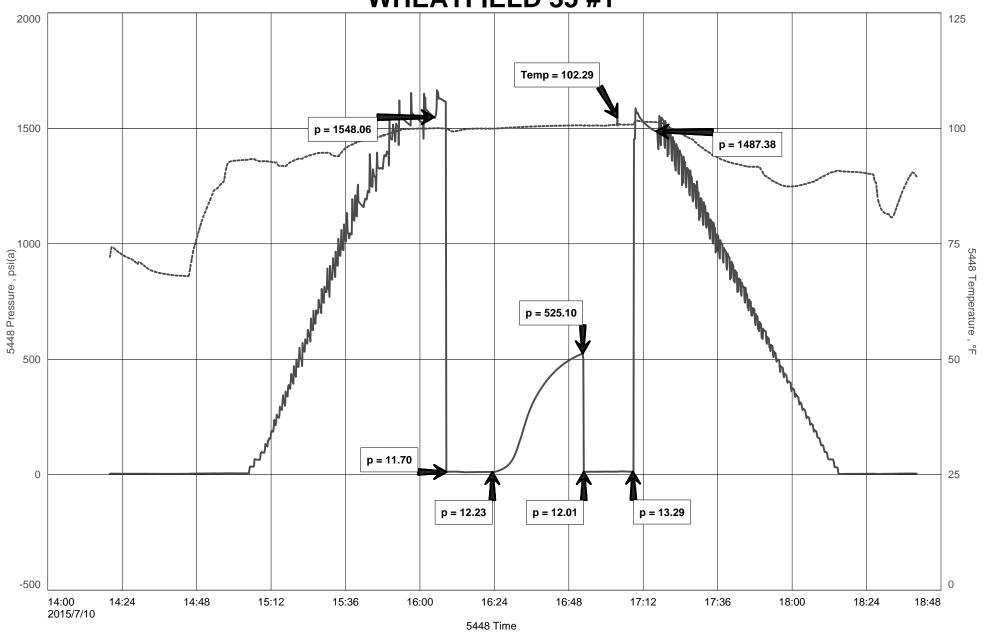
TOOL SAMPLE: ~100% MUD W/ A VERY THIN SCUM OF OIL

LB EXPLORATION,INC. DST#2 3213-3226 LANSING B Start Test Date: 2015/07/10

Final Test Date: 2015/07/10

WHEATFIELD 35 #1 Formation: DST#2 3213-3226 LANSING B

Pool: WILDCAT Job Number: M774





## P.O. Box 157

### HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

TIME ON: 0920
TIME OFF: 1405

FILE: WHTFLD35-1DST3

Company LB EXPLORATION, INC.	Lease & Well No. WHEATFIELD 35 #1	
Contractor NINNESCAH DRILLING, LLC RIG 101	Charge to_LB EXPLORATION,INC.	
Elevation 1958 GL Formation LKC	H-L Effective PayFt. Ticket NoM775	
Date 7/11/2015 Sec. 35 Twp. 16 S	Range14 W CountyBARTONState_KANSA	AS
Test Approved By STEVEN PETERMANN	Diamond Representative MIKE COCHRAN	
Formation Test No. 3 Interval Tested from	3331 ft. to 3408 ft. Total Depth 3408 ft	t.
Packer Depthin.	Packer depth NA ft. Size 6 3/4 in.	
Packer Depth 3331_ft. Size6_3/4in.	Packer depth NA ft. Size 6 3/4 in.	
Depth of Selective Zone Set		
Top Recorder Depth (Inside) 3320 ft.	Recorder Number5448 Cap5,000 P.S.I.	
Bottom Recorder Depth (Outside)ft.	Recorder Number 0063 Cap. 5,000 P.S.I.	
Below Straddle Recorder Depthft.	Recorder NumberCapP.S.I.	
Mud TypeCHEMViscosity59	Drill Collar Length         0 ft.         I.D.         2 1/4	in.
Weight 9.3 Water Loss 10.4 c	cc. Weight Pipe Length0 ft. I.D2 7/8	in
Chlorides 6,000 P.P.M.	Drill Pipe Length 3306 ft. I.D 3 1/2	in
Jars: Make STERLING Serial Number NA	Test Tool Length 25 ft. Tool Size 3 1/2-IF	in
Did Well Flow?NOReversed OutNO		_in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in	(64'DP) Surface Choke Size 1 in. Bottom Choke Size 5/8	_in
Blow: 1st Open: A SURGE OF BUBBLES ON TOOL	OPEN THEN NO BLOW (NO BB)	
<sup>2nd Open:</sup> A SURGE OF BUBBLES ON TOOL OF	PEN THEN NO BLOW	
Recovered ~1 ft. of CO		
Recovered 14 ft. of WOCM 12% OIL, 10% WTR, 78% MUD		
Recovered~15 ft. of TOTAL FLUID		
Recoveredft. of		
Recoveredft. of GRAVITY: 35.8 @ 60°	Price Job	
Recoveredft. of	Other Charges	
Remarks:	Insurance	
TOOL SAMPLE: 6% GAS, 14% OIL, 8% WTR, 72% MUD	Total	
Time Set Packer(s) 11:00 A.M. P.M. Time Started Off I	Bottom 12:00 P.M. A.M. Maximum Temperature 103°F	
Initial Hydrostatic Pressure		
Initial Flow PeriodMinutes15	(D)1 .5.1. to (C)1 .5.1.	
Initial Closed In PeriodMinutes	(U)F.3.1.	
Final Flow PeriodMinutes15	(L) F.S.I. to (1) F.S.I.	
Final Closed In PeriodMinutes	(G)P.S.I.	
Final Hydrostatic Pressure	(H) 1549 <sub>P.S.I.</sub>	

### **Pressure Survey Report**

M775

### **General Information**

Company Name Well Name Unique Well ID Surface Location Field Well Type LB EXPLORATION,INC. Job Number
WHEATFIELD 35 #1 Representative
DST#3 3331-3408 LKC H-L Well Operator
SEC.35-16S-14W BARTON CO.KS. Report Date
WILDCAT Prepared By

Vertical Qualified By

**Test Unit** 

LB EXPLORATION,INC. 2015/07/11 MIKE COCHRAN STEVEN PETERMANN NO. 3

**MIKE COCHRAN** 

### **Test Information**

Test Type CONVENTIONAL Formation DST#3 3331-3408 LKC H-L Test Purpose (AEUB) Initial Test

 Start Test Date
 2015/07/11
 Start Test Time
 09:20:00

 Final Test Date
 2015/07/11
 Final Test Time
 14:05:00

 Well Fluid Type
 01 Oil

Gauge Name 5448
Gauge Serial Number

### **Test Results**

Remarks RECOVERED:

~1' CO

14' WOCM 12% OIL, 10% WTR, 78% MUD

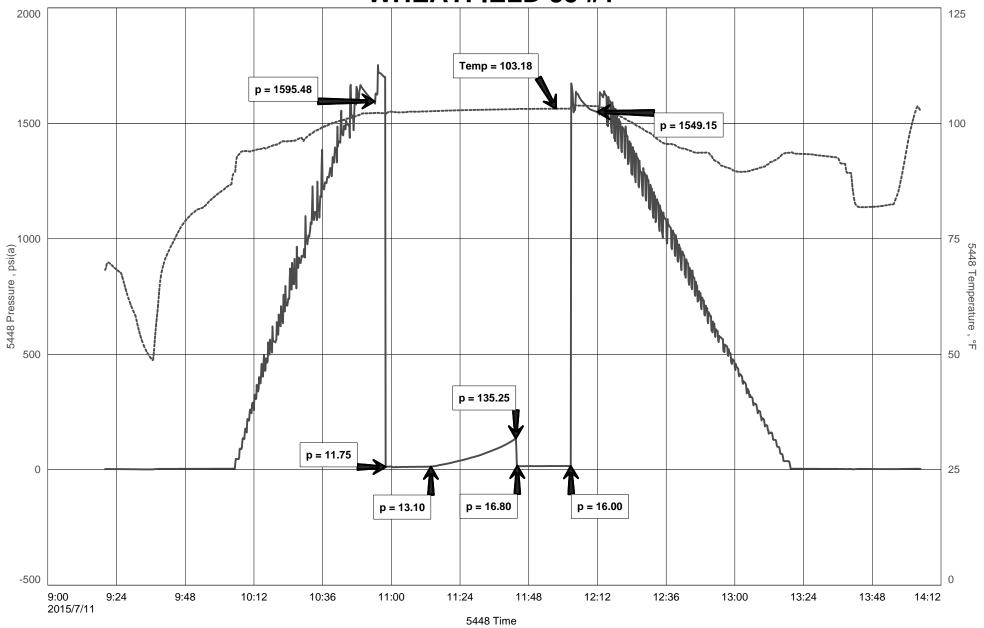
~15' TOTAL FLUID

**GRAVITY: 35.8 @ 60 DEG** 

TOOL SAMPLE: 6% GAS, 14% OIL, 8% WTR, 72% MUD

LB EXPLORATION,INC. DST#3 3331-3408 LKC H-L Start Test Date: 2015/07/11 Final Test Date: 2015/07/11 WHEATFIELD 35 #1 Formation: DST#3 3331-3408 LKC H-L

Pool: WILDCAT Job Number: M775





### **DIAMOND TESTING** P.O. Box 157

HOISINGTON, KANSAS 67544

FILE: WHTFLD35-1DST4

(800) 542-7313

**DRILL-STEM TEST TICKET** 

TIME ON: 2055 (7/11)

TIME OFF: 0205 (7/12)

Company LB EXPLORATION, INC.	Lease & Well No. WHEATFIELD 35 #1
Contractor NINNESCAH DRILLING, LLC RIG 101	Charge to LB EXPLORATION,INC.
Elevation1958 GL FormationARBU	JCKLE Effective PayFt. Ticket NoM776
Date 7/11/2015 Sec. 35 Twp. 16	S Range 14 W County BARTON State_ KANSAS
Test Approved By STEVEN PETERMANN	Diamond Representative MIKE COCHRAN
	3406 ft. to3446 ft. Total Depth 3446 ft.
Packer Depth 3401 ft. Size 6 3/4 in.	Packer depthNA ft. Size 6 3/4 in.
Packer Depth 3406 ft. Size 6 3/4 in.	Packer depthNA ft. Size_ 6 3/4 in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 3395	t. Recorder Number 5448 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3408	t. Recorder Number 0063 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth	t. Recorder Number Cap P.S.I.
Mud Type CHEM Viscosity 53	
Weight 9.2 Water Loss 10.4	_cc. Weight Pipe Length0ft. I.D2 7/8 in
Chlorides 6,000 P.P.M	I. Drill Pipe Length 3381 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number NA	Test Tool Length 25 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO	Anchor Length 40 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH	in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open: A WEAK 1/8" BLOW DIMINISHING	UNTIL DEAD @11 MIN (NO BB)
	(110 22)
	HAT DIED IN 4 MIN. FLUSH TOOL, NO HELP (NO BB)
2nd Open: A VERY WEAK SURFACE BLOW T	HAT DIED IN 4 MIN. FLUSH TOOL, NO HELP (NO BB)
2nd Open: A VERY WEAK SURFACE BLOW T  Recovered 5 ft. of VSOSGM ~100% MUD W/ SOME GA	HAT DIED IN 4 MIN. FLUSH TOOL, NO HELP (NO BB)
2nd Open: A VERY WEAK SURFACE BLOW T           Recovered         5 ft. of VSOSGM ~100% MUD W/ SOME G/           Recovered         5 ft. of TOTAL FLUID	HAT DIED IN 4 MIN. FLUSH TOOL, NO HELP (NO BB) ASSY BUBBLES & SOME SPOTS OF OIL
2nd Open: A VERY WEAK SURFACE BLOW T           Recovered         5 ft. of VSOSGM ~100% MUD W/ SOME G/           Recovered         5 ft. of TOTAL FLUID           Recovered         ft. of	HAT DIED IN 4 MIN. FLUSH TOOL, NO HELP (NO BB) ASSY BUBBLES & SOME SPOTS OF OIL
2nd Open: A VERY WEAK SURFACE BLOW T           Recovered         5 ft. of VSOSGM ~100% MUD W/ SOME G/           Recovered         5 ft. of TOTAL FLUID           Recovered         ft. of	HAT DIED IN 4 MIN. FLUSH TOOL, NO HELP (NO BB) ASSY BUBBLES & SOME SPOTS OF OIL
2nd Open: A VERY WEAK SURFACE BLOW T           Recovered         5 ft. of VSOSGM ~100% MUD W/ SOME G/           Recovered         5 ft. of TOTAL FLUID           Recovered         ft. of	HAT DIED IN 4 MIN. FLUSH TOOL, NO HELP (NO BB) ASSY BUBBLES & SOME SPOTS OF OIL
2nd Open: A VERY WEAK SURFACE BLOW T           Recovered         5 ft. of VSOSGM ~100% MUD W/ SOME G/M           Recovered         5 ft. of TOTAL FLUID           Recovered         ft. of Recovered           Recovered         ft. of Recovered	HAT DIED IN 4 MIN. FLUSH TOOL, NO HELP (NO BB) ASSY BUBBLES & SOME SPOTS OF OIL  Price Job
2nd Open: A VERY WEAK SURFACE BLOW T           Recovered         5 ft. of VSOSGM ~100% MUD W/ SOME G/           Recovered         5 ft. of TOTAL FLUID           Recovered         ft. of Recovered           Recovered         ft. of Recovered           Recovered         ft. of Recovered           Recovered         ft. of Recovered	HAT DIED IN 4 MIN. FLUSH TOOL, NO HELP (NO BB)  ASSY BUBBLES & SOME SPOTS OF OIL  Price Job Other Charges
2nd Open: A VERY WEAK SURFACE BLOW T  Recovered 5 ft. of VSOSGM ~100% MUD W/ SOME G/ Recovered ft. of TOTAL FLUID  Recovered ft. of TOTAL FLUID	Price Job Other Charges Insurance Total
2nd Open: A VERY WEAK SURFACE BLOW T  Recovered 5 ft. of VSOSGM ~100% MUD W/ SOME G/ Recovered ft. of TOTAL FLUID  Recovered ft. of Recovered	Price Job Other Charges Insurance OIL  ASSY BUBBLES & A.M. A.M. A.M. A.M. A.M. A.M. A.M. A.M.
2nd Open: A VERY WEAK SURFACE BLOW T  Recovered 5 ft. of VSOSGM ~100% MUD W/ SOME G/ Recovered ft. of TOTAL FLUID  Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of ARCOVER ft. of Recovered ft. of ARCOVER ft. of Recovered ft. of Recovered ft. of ARCOVER ft. of Recovered ft. of Recovered ft. of ARCOVER ft. of Recovered ft. of ARCOVER ft. of Recover ft. of ARCOVER ft. of ARCOVE	Price Job Other Charges Insurance  IL  Total  Total  12:15 A.M. P.M. Maximum Temperature 105°F  1669 P.S.I.
2nd Open: A VERY WEAK SURFACE BLOW T  Recovered 5 ft. of VSOSGM ~100% MUD W/ SOME G/ Recovered ft. of  Remarks:  TOOL SAMPLE: ~100% MUD W/ SOME SOME SPOTS OF COME  Time Set Packer(s) 10:45 P.M. A.M.  P.M. Time Started Come	Price Job
2nd Open: A VERY WEAK SURFACE BLOW T  Recovered 5 ft. of VSOSGM ~100% MUD W/ SOME G/ Recovered 5 ft. of TOTAL FLUID  Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Total SAMPLE: ~100% MUD W/ SOME SOME SPOTS OF COME SET Packer(s) 10:45 P.M. A.M. P.M. Time Started Committed Hydrostatic Pressure.	Price Job   Other Charges   Insurance   105°F
2nd Open: A VERY WEAK SURFACE BLOW T  Recovered 5 ft. of VSOSGM ~100% MUD W/ SOME G/ Recovered ft. of TOTAL FLUID  Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of TOTAL SAMPLE: ~100% MUD W/ SOME SOME SPOTS OF COME SET Packer(s) 10:45 P.M. A.M. P.M. Time Started Companies and Proceedings of the Started Companies and Procedure Sta	Price Job   Other Charges   Insurance   Insurance
2nd Open: A VERY WEAK SURFACE BLOW T  Recovered 5 ft. of VSOSGM ~100% MUD W/ SOME G/ Recovered 5 ft. of TOTAL FLUID  Recovered ft. of Recovered ft. of Recovered ft. of Recovered 1. of Recovered 1. of Remarks:  TOOL SAMPLE: ~100% MUD W/ SOME SOME SPOTS OF COUNTY Time Set Packer(s) 10:45 P.M. A.M. P.M. Time Started County Initial Hydrostatic Pressure Initial Flow Period Minutes Initial Closed In Period Minutes Initial Closed	Price Job   Other Charges   Insurance   105°F

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

### **Pressure Survey Report**

M776

**MIKE COCHRAN** 

LB EXPLORATION, INC.

### **General Information**

Company Name **Well Name** Unique Well ID Surface Location Field Well Type

LB EXPLORATION, INC. Job Number WHEATFIELD 35 #1 Representative DST#4 3406-3446 ARBUCKLE Well Operator SEC.35-16S-14W BARTON CO.KS. Report Date WILDCAT Prepared By

**Test Unit** 

2015/07/12 **MIKE COCHRAN** Vertical Qualified By STEVEN PETERMANN

### **Test Information**

**Test Type** CONVENTIONAL **Formation DST#4 3406-3446 ARBUCKLE Test Purpose (AEUB) Initial Test** 

**Start Test Date** 2015/07/11 Start Test Time 20:55:00 **Final Test Date** 2015/07/12 Final Test Time 02:05:00 Well Fluid Type 01 Oil

5448 **Gauge Name** 

**Gauge Serial Number** 

### **Test Results**

Remarks RECOVERED:

5' VSOSGM ~100% MUD W/ SOME GASSY BUBBLES & SOME SPOTS OF OIL **5' TOTAL FLUID** 

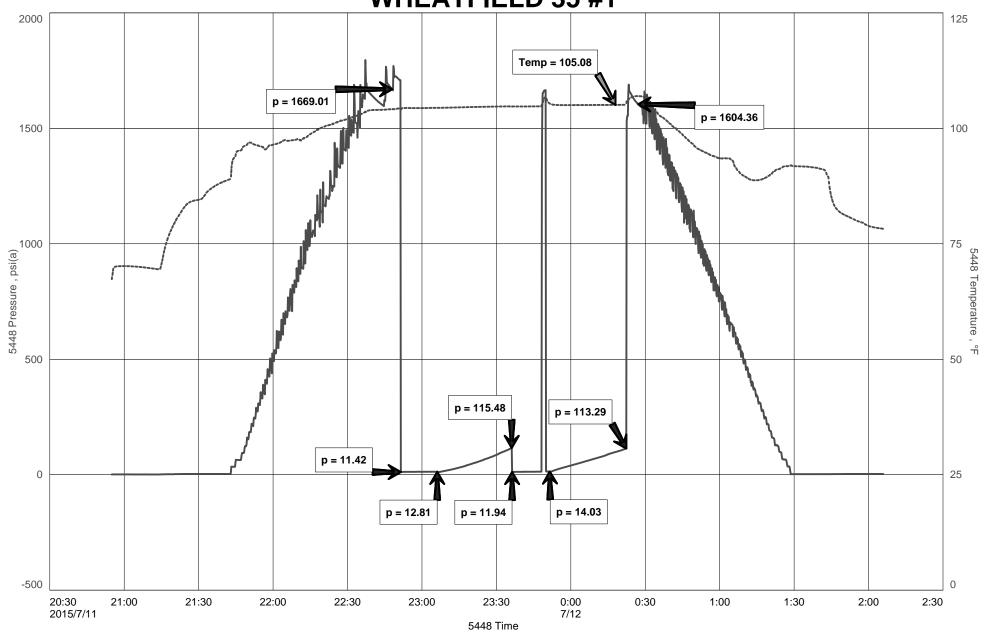
TOOL SAMPLE: ~100% MUD W/ SOME SOME SPOTS OF OIL

LB EXPLORATION,INC.
DST#4 3406-3446 ARBUCKLE
Start Test Date: 2015/07/11

Final Test Date: 2015/07/12

WHEATFIELD 35 #1 Formation: DST#4 3406-3446 ARBUCKLE

Pool: WILDCAT Job Number: M776





## P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

### DRILL-STEM TEST TICKET

TIME ON: 0725
TIME OFF: 1330

FILE: WHTFLD35-1DST5

Company_LB EXPLORATION,INC.	Lease & Well No. WHEATFIELD 35 #1	
Contractor NINNESCAH DRILLING, LLC RIG 101		
Elevation 1958 GL Formation ARBUCK	LE Effective PayFt. Ticket NoM777	
Date 7/12/2015 Sec. 35 Twp. 16 S F	Range14 W CountyBARTONStateKANSAS	
Test Approved By STEVEN PETERMANN	Diamond RepresentativeMIKE COCHRAN	
Formation Test No. 5 Interval Tested from 3	406 ft. to3451 ft. Total Depth 3451 ft.	
Packer Depth 3401 ft. Size 6 3/4 in.	Packer depthNA ft. Size 6 3/4 in.	
Packer Depth 3406 ft. Size 6 3/4 in.	Packer depth NA ft. Size_ 6 3/4 in.	
Depth of Selective Zone Set		
Top Recorder Depth (Inside) 3395 ft.	Recorder Number5448 Cap5,000 P.S.I.	
Bottom Recorder Depth (Outside)ft.	Recorder Number0063_Cap5,000_ P.S.I.	
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.	
Mud Type CHEM Viscosity 53	Drill Collar Length         0 ft.         I.D.         2 1/4 in.	
Weight9.2 Water Loss10.4c	c. Weight Pipe Length 0_ft. I.D 2 7/8in	
Chlorides 6,000 P.P.M.	Drill Pipe Length 3381 ft. I.D 3 1/2 in	
Jars: Make STERLING Serial Number NA	Test Tool Length 25 ft. Tool Size 3 1/2-IF in	
Did Well Flow?NOReversed OutNO	Anchor Length 45 ft. Size 4 1/2-FH in	
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.	(32'dp) Surface Choke Size 1 in. Bottom Choke Size 5/8 in	
Blow: 1st Open:WSB, INCREASED TO 3/4"	(NO BB)	
2nd Open: WSB, INCREASED TO 1"	(NO BB)	
Recovered 15 ft. of CO 100% OIL		
Recovered 10 ft. of GOSWM 2% GAS, 2% OIL, 6% WTR, 90% MUD		
Recovered 25 ft. of TOTAL FLUID		
Recoveredft. of GRAVITY: 35.2 @ 60°	Price Job	
Recoveredft. of CHLOR: 5,000 PPM	Other Charges	
Recoveredft. of _CHLOR: 5,000 PPM           Remarks:ft. of _CHLOR: 5,000 PPM   RW: .80 @ 100 DEG (NOMOGRAP)	Other Charges	
DW: 90 @ 100 DEC (NOMOCRAD	Other Charges	
Remarks: RW: .80 @ 100 DEG (NOMOGRAP  PH: 10.0  TOOL SAMPLE: 8% GAS, 21% OIL, 6% WTR, 65% MUD	Other Charges  H) Insurance  Total	
Remarks: RW: .80 @ 100 DEG (NOMOGRAP PH: 10.0	Other Charges  Insurance  Total	
Remarks: RW: .80 @ 100 DEG (NOMOGRAP) PH: 10.0  TOOL SAMPLE: 8% GAS, 21% OIL, 6% WTR, 65% MUD  0:00 A.M. A.M.	Other Charges  Insurance  Total  ottom11:30 A.M. A.M. P.M. Maximum Temperature102°F	
Remarks:         RW: .80 @ 100 DEG (NOMOGRAP)           PH: 10.0           TOOL SAMPLE: 8% GAS, 21% OIL, 6% WTR, 65% MUD           Time Set Packer(s)         9:00 A.M.         A.M.         P.M.         Time Started Off Education	Other Charges  Insurance  Total  ottom11:30 A.M. A.M. P.M. Maximum Temperature102°F	
Remarks: RW: .80 @ 100 DEG (NOMOGRAP)  PH: 10.0  TOOL SAMPLE: 8% GAS, 21% OIL, 6% WTR, 65% MUD  Time Set Packer(s) 9:00 A.M. A.M. P.M. Time Started Off E	Other Charges  Insurance  Total  ottom 11:30 A.M. A.M. P.M. Maximum Temperature 102°F (A) 1637 P.S.I.  (B) 13 P.S.I. to (C) 16 P.S.I.  (D) 873 P.S.I.	
Remarks:	Other Charges  Insurance  Total  ottom 11:30 A.M. A.M. P.M. Maximum Temperature 102°F (A) 1637 P.S.I.  (B) 13 P.S.I. to (C) 16 P.S.I.	
Remarks:         RW: .80 @ 100 DEG (NOMOGRAP)           PH: 10.0           TOOL SAMPLE: 8% GAS, 21% OIL, 6% WTR, 65% MUD           Time Set Packer(s)         9:00 A.M.         A.M. P.M.         Time Started Off E           Initial Hydrostatic Pressure         Minutes         15           Initial Closed In Period         Minutes         30	Other Charges  Insurance  Total  ottom 11:30 A.M. A.M. P.M. Maximum Temperature 102°F (A) 1637 P.S.I.  (B) 13 P.S.I. to (C) 16 P.S.I.  (D) 873 P.S.I.	

### **Pressure Survey Report**

M777

### **General Information**

Company Name Well Name Unique Well ID Surface Location Field Well Type LB EXPLORATION,INC. Job Number
WHEATFIELD 35 #1 Representative
DST#5 3406-3451 ARBUCKLE Well Operator
SEC.35-16S-14W BARTON CO.KS. Report Date
WILDCAT Prepared By
Vertical Qualified By

**Test Unit** 

LB EXPLORATION,INC. 2015/07/12 MIKE COCHRAN STEVEN PETERMANN NO. 3

**MIKE COCHRAN** 

### **Test Information**

Test Type CONVENTIONAL Formation DST#5 3406-3451 ARBUCKLE Test Purpose (AEUB) Initial Test

 Start Test Date
 2015/07/12 Start Test Time
 07:25:00

 Final Test Date
 2015/07/12 Final Test Time
 13:30:00

 Well Fluid Type
 01 Oil

Gauge Name 5448
Gauge Serial Number

#### **Test Results**

Remarks RECOVERED:

15' CO 100% OIL

10' GOSWM 2% GAS, 2% OIL, 6% WTR, 90% MUD

25' TOTAL FLUID

**GRAVITY: 35.2 @ 60 DEG** 

CHLOR: 5,000 PPM

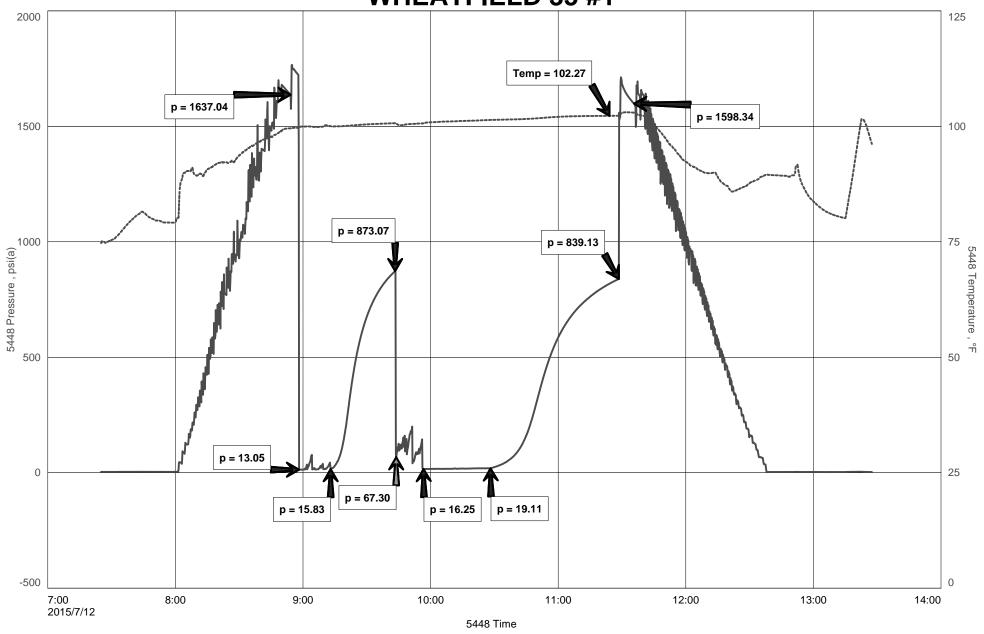
PH:10.0

RW: .80 @ 100 DEG (NOMOGRAPH)

TOOL SAMPLE: 8% GAS, 21% OIL, 6% WTR, 65% MUD

LB EXPLORATION,INC. DST#5 3406-3451 ARBUCKLE Start Test Date: 2015/07/12 Final Test Date: 2015/07/12 WHEATFIELD 35 #1 Formation: DST#5 3406-3451 ARBUCKLE

Pool: WILDCAT Job Number: M777





#### DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

TIME ON: 1810 (7/12) TIME OFF: 0100 (7/13)

### **DRILL-STEM TEST TICKET**

FILE: WHTFLD35-1DST6

Lease & Well No. WHEATFIELD 35 #1
Charge to_LB EXPLORATION,INC.
LE_Effective PayFt. Ticket NoM778
Range 14 W CountyBARTONStateKANSAS
Diamond RepresentativeMIKE COCHRAN
406 ft. to3456 ft. Total Depth3456 ft.
Packer depth NA ft. Size_ 6 3/4 in.
Packer depth NA ft. Size 6 3/4 in.
Recorder Number         5448         Cap.         5,000         P.S.I.
Recorder Number 0063 Cap. 5,000 P.S.I.
Recorder NumberCapP.S.I.
Drill Collar Length         0 ft.         I.D.         2 1/4         in.
c. Weight Pipe Length ft. I.D 2 7/8 in
Drill Pipe Length 3381 ft. I.D 3 1/2 in
Test Tool Length 25 ft. Tool Size 3 1/2-IF in
Anchor Length 50 ft. Size 4 1/2-FH in
(32'dp) Surface Choke Size 1 in. Bottom Choke Size 5/8 in
(NO BB)
(NO BB)
68% MUD
Price Job
Other Charges
Insurance
Total
ottom10:30 P.M. A.M. P.M. Maximum Temperature103°F
(A) 1584 P.S.I.
(B)14 P.S.I. to (C)20 P.S.I.
(D)873 <sub>P.S.I.</sub>
(E)36 <sub>P.S.I.</sub>
(G)764 P.S.I.
(H) 1553 P.S.I.
SI B 5

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

### **Pressure Survey Report**

M778

**MIKE COCHRAN** 

LB EXPLORATION, INC.

### **General Information**

Company Name Well Name Unique Well ID Surface Location Field Well Type LB EXPLORATION,INC. Job Number
WHEATFIELD 35 #1 Representative
DST#6 3406-3456 ARBUCKLE Well Operator
SEC.35-16S-14W BARTON CO.KS. Report Date
WILDCAT Prepared By

I CO.KS. Report Date 2105/07/13

/ILDCAT Prepared By MIKE COCHRAN

Vertical Qualified By Test Unit STEVEN PETERMANN

NO. 3

### **Test Information**

Test Type CONVENTIONAL Formation DST#6 3406-3456 ARBUCKLE Test Purpose (AEUB) Initial Test

 Start Test Date
 2105/07/12 Start Test Time
 18:10:00

 Final Test Date
 2105/07/13 Final Test Time
 01:00:00

 Well Fluid Type
 01 Oil

Gauge Name 5448

**Gauge Serial Number** 

### **Test Results**

Remarks RECOVERED:

**15'** CO 100% OIL

49' GWOCM 1%GAS, 19% OIL, 12% WTR, 68% MUD

**64' TOTAL FLUID** 

**GRAVITY: 34.8 @ 60 DEG** 

CHLOR: 8.000 PPM

PH:8.0

RW: .75 @ 75 DEG

TOOL SAMPLE: 2% GAS, 29% OIL, 16% WTR, 53% MUD

LB EXPLORATION,INC. DST#6 3406-3456 ARBUCKLE Start Test Date: 2105/07/12 Final Test Date: 2105/07/13 WHEATFIELD 35 #1 Formation: DST#6 3406-3456 ARBUCKLE

Pool: WILDCAT Job Number: M778

