

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1239303

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.xxxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
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:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from: sx cmt.
Well Name: Original Comp. Date: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
□ Dual Completion Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	QuarterSec. TwpS. REastWest 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:				_ Lease I	Name: _			Well #:	
Sec Twp	S. R	East	West	County	:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whe	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati	c level, hydrosta space is neede	tic pressures, b d.	ottom hole temp	erature, fluid recov
Final Radioactivity Lo files must be submitte						ogs must be ema	alled to kcc-well-	logs@kcc.ks.go	v. Digital electronic
Drill Stem Tests Taker (Attach Additional		Y	es No			J	on (Top), Depth		Sample
Samples Sent to Geo	logical Survey	Y	es No		Nam	е		Тор	Datum
Cores Taken Electric Log Run			es No						
List All E. Logs Run:									
				RECORD	Ne				
	0: 11.1					ermediate, product		" 0 1	T 15
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives	
Perforate Protect Casing	Top Dottern								
Plug Back TD Plug Off Zone									
1 lug 0 li 20 lio									
Did you perform a hydrau	ulic fracturing treatment	on this well	?			Yes	No (If No, s	skip questions 2 a	nd 3)
Does the volume of the t			-		-			skip question 3)	
Was the hydraulic fractur	ing treatment informatio	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, i	ill out Page Three	of the ACO-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Ceme	nt Squeeze Recor	rd Depth
Specify Footage of Each Interval Perforated			(* *			200			
TUBING RECORD:	Size:	Set At:		Packer A	t·	Liner Run:			
		0017111				[Yes N	o	
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gravity
DIODOCITI	01.05.040			4ETUOD 05	. 00145/	TION:		DDOD! ICT!	
DISPOSITION Solo	ON OF GAS: Used on Lease		N Open Hole	∥ETHOD OF Perf.			mmingled	PRODUCTION	ON INTERVAL:
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Beaver Valley Supply 4 1
Doc ID	1239303

All Electric Logs Run

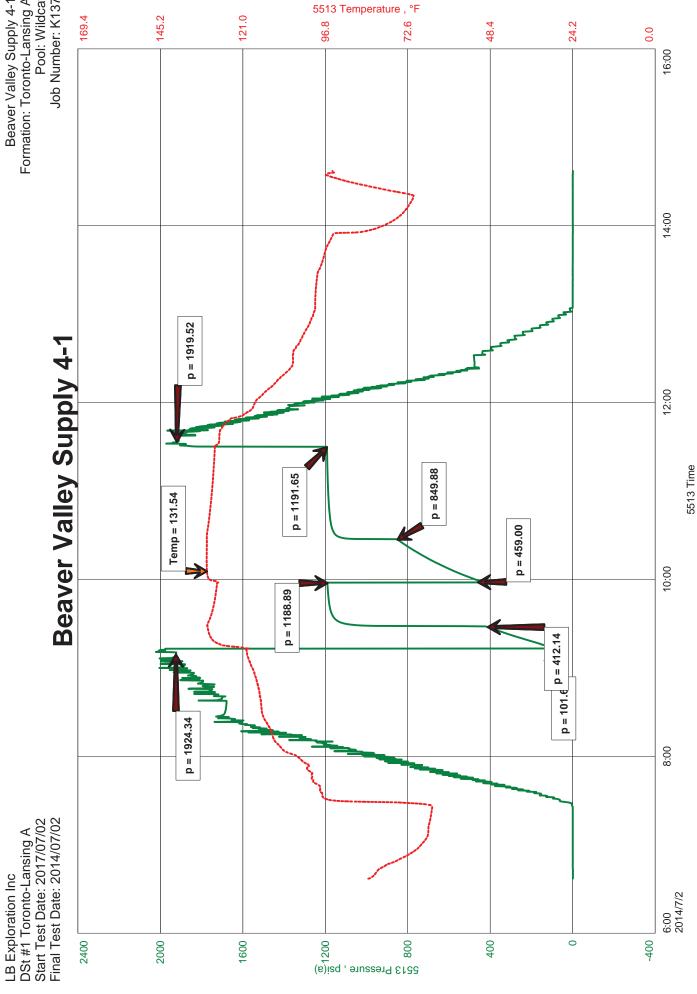
Dual Compensated Porosity
Microlog
Dual Induction
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Beaver Valley Supply 4 1
Doc ID	1239303

Tops

Name	Тор	Datum
Heebner	4035	-930
Lansing	4072	-967
Altamont	4431	-1326
Pawnee	4484	-1379
Myric Station	4525	-1420
Ft Scott	4545	-1440
Cherokee shale	4575	-1470
Johnson zone	4618	-1513
Mississippi	4654	-1549

Beaver Valley Supply 4-1 Formation: Toronto-Lansing A Pool: Wildcat Job Number: K137



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CELL # 620-617-0527

General Information

Company Name LB Exploration Inc

Contact Mike Petermann Job Number K137 **Beaver Valley Supply 4-1 Representative** Jason McLemore **Well Name Unique Well ID DSt #1 Toronto-Lansing A Well Operator** LB Exploration, Inc **Surface Location** 4-10s-32w-Thomas Prepared By Jason McLemore Wildcat Qualified By Steve Petermann Field **Vertical Test Unit Well Type** #7

Test Information

Representative Test Type Drill Stem Test Well Operator Formation Toronto-Lansing A Report Date Well Fluid Type 01 Oil Prepared By Test Purpose (AEUB) Representative Well Operator LB Exploration, Inc 2014/07/02 Jason McLemore Test Purpose (AEUB)

 Start Test Date
 2017/07/02 Start Test Time
 06:37:00

 Final Test Date
 2014/07/02 Final Test Time
 14:41:00

Test Results

RECOVERED:

1700 Muddy Water, 95% Water, 5% Mud

1700 TOTAL FLUID

CHLORIDES: 42.000

PH: 7



DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544

DRILL-STEM TEST TICKET

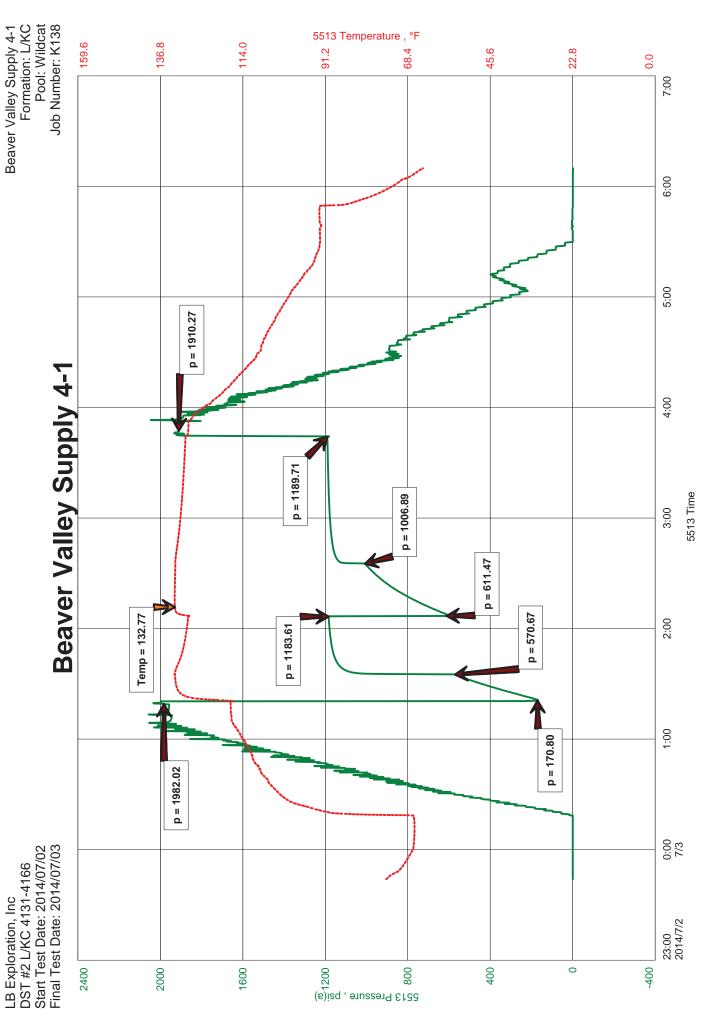
FILE: BVS41dst1

TIME ON: 6:37 AM

TIME OFF: 2:41 PM (800) 542-7313

Company_LB Exploration, Inc	Lease & Well No. Beaver Valley Supply 4-1				
Contractor Ninnescah	Charge to LB Exploration, Inc.				
ElevationGL 3092FormationToronto/Lans	ng A Effective PayFt. Ticket NoK137				
	RangeState_ KANSAS				
Test Approved By Steve Petermann	Diamond Representative Jason McLemore				
Formation Test No1 Interval Tested from	4038 ft. to 4086 ft. Total Depth 4086 ft.				
Packer Depth 4033 ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4 in.				
Packer Depth 4038 ft. Size6 3/4in.	Packer depthft. Size 6 3/4in.				
Depth of Selective Zone Set					
Top Recorder Depth (Inside) 4019 ft.	Recorder Number 5513 Cap. 5000 P.S.I.				
Bottom Recorder Depth (Outside) 4020 ft.	Recorder Number 5588 Cap. 6000 P.S.I.				
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.				
Mud Type Chemical Viscosity 49	Drill Collar Length 0_ft. I.D 2 1/4 in.				
Weight 9.2	cc. Weight Pipe Length0ft. I.D2 7/8in				
Chlorides 1000 P.P.M.	Drill Pipe Length 4005 ft. I.D. 3 1/2 in				
Jars: Make STERLING Serial Number Jars & Joint	Test Tool Length 33 ft. Tool Size 3 1/2-IF in				
Did Well Flow? No Reversed Out NO	Anchor Length 48 ft. Size 4 1/2-FH in				
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH	32' DP in Anchor n. Surface Choke Size 1 in. Bottom Choke Size 5/8 in				
Blow: 1st Open: Strong, BOB in 1 Min., 45 Sec., No	Blowback				
^{2nd Open:} Strong, BOB in 1 Min.,55 Sec., No Blo	wback				
Recovered 1700 ft. of Muddy Water, 95% Water, 5% Mud					
Recovered 1700 ft. of TOTAL FLUID					
Recovered ft. of					
Recoveredft. of					
Recoveredft. of CHLORIDES: 42,000	Price Job				
Recoveredft. of PH: 7	Other Charges				
Remarks:	Insurance				
8					
O.24 AM A.M.	Total A.M.				
Time Set Packer(s) 9:21 AM P.M. Time Started Of					
Initial Hydrostatic Pressure	(A) 1924 P.S.I.				
Initial Flow PeriodMinutes1	5 (B) 102 P.S.I. to (C) 412 P.S.I.				
Initial Closed In Period	(D)F.3.1.				
Final Flow PeriodMinutes	O (E) 459 P.S.I. to (F) 850 P.S.I.				
Final Closed In PeriodMinutes6	(0)				
Final Hydrostatic Pressure	(H) 1920 _{P.S.I.}				

Beaver Valley Supply 4-1 Formation: L/KC Pool: Wildcat Job Number: K138





CELL # 620-617-0527

General Information

Company Name LB Exploration, Inc

Contact Mike Petermann Job Number K138 **Beaver Valley Supply 4-1 Representative Well Name** Jason McLemore **Unique Well ID** DST #2 L/KC 4131-4166 Well Operator LB Exploration, Inc **Surface Location** 4-10s-32w-Thomas Prepared By Jason McLemore Wildcat Qualified By Steve Petermann Field **Vertical Test Unit Well Type** #7

Test Information

Jason McLemore Representative **Test Type** Drill Stem Test Well Operator LB Exploration, Inc **Formation** L/KC Report Date 2014/07/03 01 Oil Prepared By **Well Fluid Type Jason McLemore Test Purpose (AEUB) Initial Test**

Start Test Date 2014/07/02 Start Test Time 23:44:00 **Final Test Date** 2014/07/03 Final Test Time 06:11:00

Test Results

RECOVERED:

2050 Muddy Water, 95% Water, 5% Mud

TOTAL FLUID 2050

CHLORIDES: 47,000

PH: 7



P.O. Box 157 OISINGTON, KANSAS 6754

HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

TIME ON: 11:44 PM

TIME OFF: 6:11 AM

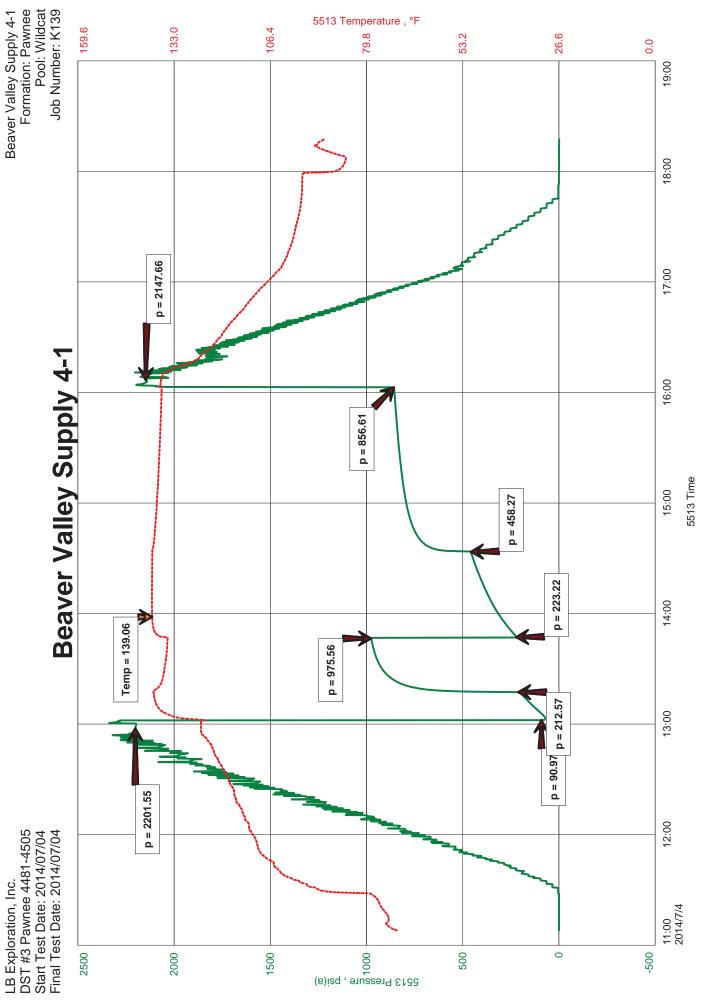
FILE: BVS	M TEST TICKET 41dst2
Company LB Exploration, Inc	Lease & Well No. Beaver Valley Supply 4-1
Contractor Ninnescah	Charge to LB Exploration, Inc.
Elevation GL 3092 Formation L	KC Effective PayFt. Ticket NoK138
	Range 32 W County Thomas State KANSAS
Test Approved By Steve Petermann	Diamond Representative Jason McLemore
Formation Test No. 2 Interval Tested from	4131 ft. to4166 ft. Total Depth4166 ft.
Packer Depth 4126 ft. Size 6 3/4 in.	Packer depthft. Size6 3/4in.
Packer Depth 4131 ft. Size6 3/4in.	Packer depthft. Size6 3/4in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 4112 ft.	Recorder Number5513 Cap5000 P.S.I.
Bottom Recorder Depth (Outside) 4113_ft.	Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depthft.	Recorder Number Cap. P.S.I.
Mud Type Chemical Viscosity 49	Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.4	cc. Weight Pipe Length oft. I.D 2 7/8 in
Chlorides 1000 P.P.M.	Drill Pipe Length 4098 ft. I.D 3 1/2 in
Jars: Make STERLING Serial Number Jars & Joint	Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow? No Reversed Out NO	Anchor Length 35 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: Strong, BOB in 1 Min., No Blowback	
^{2nd Open:} Strong, BOB in 1 Min.,30 Sec., No Blo	vback
Recovered 2050 ft. of Muddy Water, 95% Water, 5% Mud	
Recovered 2050 ft. of TOTAL FLUID	
Recoveredft. of	
Recovered ft. of	
Recovered ft. of CHLORIDES: 47,000	Price Job
Recovered ft. of PH: 7	Other Charges
Remarks:	Insurance
	Total
Time Set Packer(s) 1:25 AM P.M. Time Started Off	Bottom 3:40 AM P.M. Maximum Temperature 133
Initial Hydrostatic Pressure	(A) 1982 P.S.I.
Initial Flow PeriodMinutes18	(B) 171 P.S.I. to (C) 571 P.S.I.
Initial Closed In Period	(D)F.S.i.
Final Flow PeriodMinutes30	(L)1.5.1.10(1)1.5.1.
Final Closed In PeriodMinutes60) (G) 1190 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.

Final Hydrostatic Pressure.....(H)

1910 _{P.S.I.}

Beaver Valley Supply 4-1 Formation: Pawnee Pool: Wildcat Job Number: K139



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CELL # 620-617-0527

18:19:00

General Information

Company Name LB Exploration, Inc.

Contact Mike Petermann Job Number K139 **Beaver Valley Supply 4-1 Representative Well Name** Jason McLemore Unique Well ID DST #3 Pawnee 4481-4505 Well Operator LB Exploration, Inc. **Surface Location** 4-10s-32w-Thomas Prepared By Jason McLemore Wildcat Qualified By **Steve Petermann** Field **Vertical Test Unit Well Type** #7

Test Information

Representative Jason McLemore
Test Type Drill Stem Test Well Operator Formation Pawnee Report Date 2014/07/04
Well Fluid Type 01 Oil Prepared By Test Purpose (AEUB) Jason McLemore

Start Test Date 2014/07/04 Start Test Time 11:08:00

2014/07/04 Final Test Time

Test Results

RECOVERED:

200 Free Oil

180 VSOCMW, 20% oIL, 45% Water, 35% Mud 600 Muddy Water, 95% Water, 5% Mud

980 TOTAL FLUID

Final Test Date

GRAVITY: 34 CHLORIDES: 40,000

PH: 7



DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

TIME ON: _11:08 AM

TIME OFF: 6:19 PM

FILE: BVS	41dst3	
Company LB Exploration, Inc	Lease & Well No. Beaver Valley Supply 4-1	
Contractor Ninnescah	Charge to LB Exploration, Inc.	
ElevationGL 3092FormationPav	/nee Effective PayFt. Ticket NoK139	
Date 7-4-14 Sec. 4 Twp. 10 S	RangeState_KANSA	AS
Test Approved By Steve Petermann	Diamond RepresentativeJason McLemore	
Formation Test No. 3 Interval Tested from	4481 ft. to 4505 ft. Total Depth 4505 f	t.
Packer Depth	Packer depthft. Size 6 3/4 in.	
Packer Depth	Packer depthft. Size6_3/4in.	
Depth of Selective Zone Set		
Top Recorder Depth (Inside) 4412 ft.	Recorder Number 5513 Cap. 5000 P.S.I.	
Bottom Recorder Depth (Outside)ft.	Recorder Number 5588 Cap. 6000 P.S.I.	
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.	
Mud Type Chemical Viscosity 64	•	in.
Weight	cc. Weight Pipe Lengthft. I.D	_in
Chlorides 1000 P.P.M.	Drill Pipe Length 4448 ft. I.D 3 1/2	in
Jars: Make STERLING Serial Number Jars & Joint	Test Tool Length 33 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 i	n. Surface Choke Size 1 in. Bottom Choke Size 5/8	_in
Blow: 1st Open: Strong, BOB in 1 1/2 Min., Blowbac	k Built to 10"	
^{2nd Open:} Strong, BOB in 3-1/2 Min., Blowback E	BOB in 17 Min.	
Recovered 200 ft. of Free Oil		
Recovered 180 ft. of VSOCMW, 20% Oil, 45% Water, 35% I	Лud	
Recovered 600 ft. of Muddy Water, 95% Water, 5% Mud		
Recovered 980 ft. of TOTAL FLUID		
Recoveredft. of GRAVITY: 34	Price Job	
Recoveredft. of CHLORIDES:40,000	Other Charges	
Remarks: PH: 7	Insurance	
E		_
4.00 DM A.M.	Total A.M.	
Time Set Packer(s) 1:08 PM P.M. Time Started Off		_
Initial Hydrostatic Pressure	37 (-	
Initial Flow PeriodMinutes1	(b)	
Initial Closed In Period	(<i>D</i>) F.S.I.	
Final Flow Period	(L)F.S.i. to (1)F.S.i.	
Final Closed In PeriodMinutes9	(0)	
Final Hydrostatic Pressure	(H) 2148 P.S.I. If the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through	_
Diamond Tacting chall not be liable for damages of any kind to the property or personnel	or the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through	67

Beaver Valley Supply 4-1 Formation: Myric Station Pool: Wildcat Job Number: K140 5513 Temperature , °F 159.6 133.0 106.4 53.2 26.6 79.8 0.0 10:00 9:00 p = 2181.418:00 **Beaver Valley Supply 4-1** 7:00 p = 43.85Temp = 127.665513 Time p = 12.5100:9 p = 11.99p = 115.77 p = 12.315:00 p = 9.48 p = 2188.78 4:00 LB Exploration, Inc DST #4 Myric Station 4516-4539 Start Test Date: 2014/07/05 Final Test Date: 2014/07/05 3:00 2:00 2014/7/5 2500 2000 200 -200 1500 5513 Pressure , psi(a) 0



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CELL # 620-617-0527

General Information

Company Name LB Exploration, Inc

Contact Mike Petermann Job Number K140 **Beaver Valley Supply 4-1 Representative Well Name** Jason McLemore **Unique Well ID** DST #4 Myric Station 4516-4539 Well Operator LB Exploration, Inc **Surface Location** 4-10s-32w-Thomas Prepared By Jason McLemore Wildcat Qualified By Steve Petermann Field **Vertical Test Unit Well Type** #7

Test Information

Representative Jason McLemore
Test Type Drill Stem Test Well Operator
Formation Myric Station Report Date 2014/07/05
Well Fluid Type 01 Oil Prepared By Test Purpose (AEUB) Jason McLemore

 Start Test Date
 2014/07/05 Start Test Time
 02:48:00

 Final Test Date
 2014/07/05 Final Test Time
 09:17:00

Test Results

RECOVERED:

3 Drilling Mud3 TOTAL FLUID



DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544

DRILL-STEM TEST TICKET

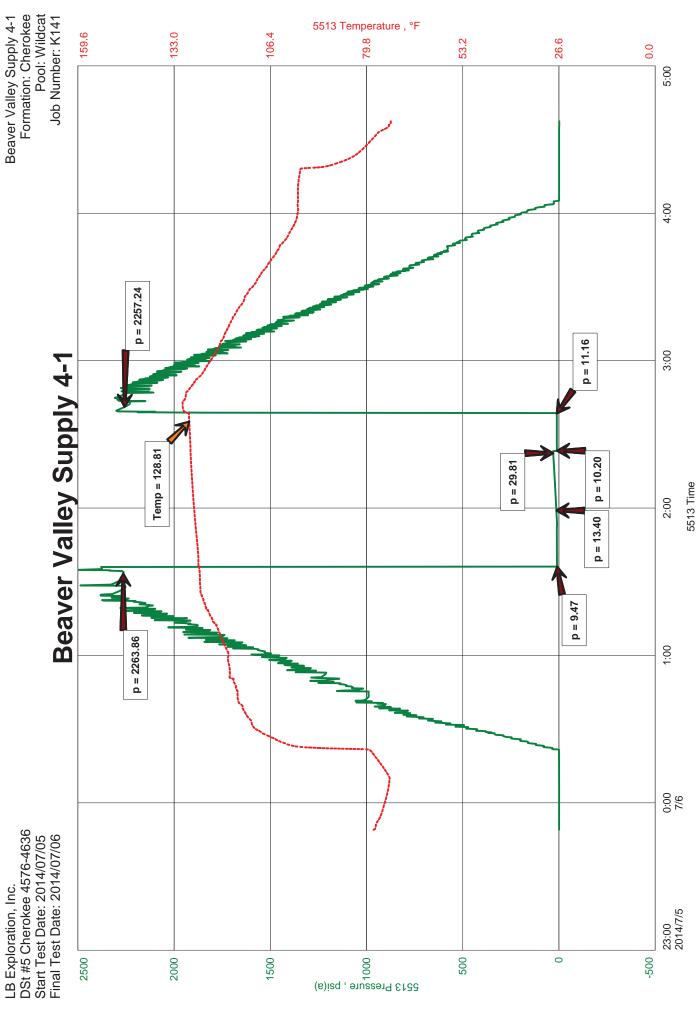
FILE: BVS41dst4

TIME ON: 2:48 AM

TIME OFF: 9:17 AM (800) 542-7313

Company LB Exploration, Inc	Lease & Well No. Beaver Valley Supply 4-1
Contractor Ninnescah	Charge to LB Exploration, Inc.
	ation Effective PayFt. Ticket NoK140
	Range 32 W County Thomas State KANSAS
	Diamond Representative Jason McLemore
Formation Test No. 4 Interval Tested from	
Packer Depth 4511 ft. Size 6 3/4 in.	Packer depthft. Size_ 6 3/4 in.
Packer Depth 4516 ft. Size 6 3/4 in.	Packer depthft. Size_ 6 3/4 in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 4497 ft.	Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4498 ft.	Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.
Mud Type Chemical Viscosity 64	Drill Collar Length 0 ft. I.D 2 1/4 in
Weight	cc. Weight Pipe Length oft. I.D 2 7/8 ir
Chlorides 1000 P.P.M.	Drill Pipe Length 4483 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number Jars & Joint	Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow? No Reversed Out NO	Anchor Length 23 ft. Size 4 1/2-FH ir
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH	n. Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open: Weak Surface Blow, Died in 12 Mir	., No Blowback
2nd Open: Dead	
Recovered 3 ft. of Drilling Mud	
Recovered 3 ft. of TOTAL FLUID	
Recovered ft. of	
Recovered ft. of	
Recoveredft. of	Secretary and
Recoveredft. of	Other Charges
Remarks:	Insurance
	Total
Time Set Packer(s) 4:53 am P.M. Time Started Of	Bottom 7:08 AM P.M. Maximum Temperature 128
Initial Hydrostatic Pressure	(A) 2189 P.S.I.
Initial Flow PeriodMinutes1	5 (B) 9 P.S.I. to (C) 12 P.S.I.
Initial Closed In Period	(D) F.S.I.
Final Flow PeriodMinutes	0 (E) 12 P.S.I. to (F) 13 P.S.I.
Final Closed In PeriodMinutes	0 (G) 44 P.S.I.
Final Hydrostatic Pressure	(H)2181 _{P.S.I.}

Beaver Valley Supply 4-1 Formation: Cherokee Pool: Wildcat Job Number: K141



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CELL # 620-617-0527

General Information

Company Name LB Exploration, Inc.

Contact Mike Petermann Job Number K141 **Beaver Valley Supply 4-1 Representative Well Name** Jason McLemore **Unique Well ID** DSt #5 Cherokee 4576-4636 Well Operator LB Exploration, Inc. **Surface Location** 4-10s-32w-Thomas Prepared By Jason McLemore Wildcat Qualified By Steve Petermann Field **Vertical Test Unit Well Type** #7

Test Information

Representative Jason McLemore
Test Type Drill Stem Test Well Operator
Formation Cherokee Report Date 2014/07/06
Well Fluid Type 01 Oil Prepared By Test Purpose (AEUB) Jason McLemore

 Start Test Date
 2014/07/05 Start Test Time
 23:49:00

 Final Test Date
 2014/07/06 Final Test Time
 04:40:00

Test Results

RECOVERED:

Drilling Mud
 TOTAL FLUID



DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

FILE: BVS41dst5

TIME ON: _11:49 PM

TIME OFF: 4:40 AM

Company LB Exploration, Inc	Lease & Well No. Beaver Valley Supply 4-1
Contractor Ninnescah	Charge to LB Exploration, Inc.
	Effective PayFt. Ticket NoK141
	inge32 W County Thomas State KANSAS
Test Approved By Steve Petermann	Diamond Representative Jason McLemore
Formation Test No. 5 Interval Tested from 45	76 ft. to_ 4636 ft. Total Depth 4636 ft.
Packer Depth	Packer depth ft. Size 6 3/4 in.
Packer Depth 4576 ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4 in.
Depth of Selective Zone Set	A STATE OF THE STA
Top Recorder Depth (Inside) 4557 ft.	Recorder Number
Bottom Recorder Depth (Outside) 4558 ft.	Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.
Mud Type Chemical Viscosity 60	Drill Collar Length 0 ft. I.D. 2 1/4 in
Weight 9.4 Water Loss 8.8 cc.	Weight Pipe Length 0 ft. I.D 2 7/8 in
Chlorides 2000 P.P.M.	Drill Pipe Length 4543 ft. I.D 3 1/2 ir
Jars: Make STERLING Serial Number Jars & Joint	Test Tool Length 33 ft. Tool Size 3 1/2-IF ir
Did Well Flow? No Reversed Out NO	Anchor Length 60 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.	30' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open: Weak Surface Blow, Died in 8 Min., N	o Blowback
^{2nd Open:} Dead, Pull Tool	2
Recovered 1 ft. of Drilling Mud	
Recovered 1 ft. of TOTAL FLUID	
Recoveredft. of	Other Charges
Remarks:	Insurance
y	
	Total
Time Set Packer(s) 1:43 AM P.M. Time Started Off Bo	ttom2:43 A.M. P.M. Maximum Temperature129
Initial Hydrostatic Pressure	(A) 2264 P.S.I.
Initial Flow Period	(B) 9 P.S.I. to (C) 13 P.S.I.
Initial Closed In Period	(D)
Final Flow PeriodMinutes15	(E)10 P.S.I. to (F)11 P.S.I.
Final Closed In PeriodMinutes	(G)P.S.I.
Final Hydrostatic Pressure	(H) 2257 P.S.I.

Beaver Valley Supply 4-1 Formation: Mississippi Pool: Wildcat Job Number: K142 5513 Temperature, °F 159.6 133.0 106.4 53.2 26.6 79.8 0.0 22:00 21:00 p = 2301.0420:00 **Beaver Valley Supply 4-1** p = 14.67Temp = 128.92p = 13.16p = 967.795513 Time 19:00 p = 12.59p = 9.38 p = 2322.81 18:00 17:00 LB exploration, Inc DST #6 Mississippi 4653-4705 Start Test Date: 2014/07/06 Final Test Date: 2014/07/06 16:00 2014/7/6 2500 2000 1500 5513 Pressure , psi(a) 200 -200 0





CELL # 620-617-0527

General Information

Company Name LB exploration, Inc

Contact Mike Petermann Job Number K142 **Beaver Valley Supply 4-1 Representative Well Name** Jason McLemore **Unique Well ID** DST #6 Mississippi 4653-4705 Well Operator LB Exploration, Inc **Surface Location** 4-10s-32w-Thomas Prepared By Jason McLemore Wildcat Qualified By **Steve Petermann** Field **Vertical Test Unit Well Type** #7

Test Information

Representative Jason McLemore **Test Type** Drill Stem Test Well Operator LB Exploration, Inc Mississippi Report Date **Formation** 2014/07/06 01 Oil Prepared By **Well Fluid Type Jason McLemore Test Purpose (AEUB) Initial Test**

Start Test Date 2014/07/06 Start Test Time 16:40:00 2014/07/06 Final Test Time **Final Test Date** 21:55:00

Test Results

RECOVERED:

10 **Drilling Mud TOTAL FLUID** 10



DIAMOND TESTING P.O. Box 157 HOISINGTON, KANSAS 67544

(800) 542-7313

DRILL-STEM TEST TICKET

FILE: BVS41dst6

TIME ON: 4:40 PM

TIME OFF: 9:55 PM

Company LB Exploration, Inc	Lease & Well No. Beaver Valley Supply 4-1
Contractor Ninnescah	Charge to LB Exploration, Inc.
	sippi Effective PayFt. Ticket NoK142
	Range 32 W County Thomas State KANSAS
Test Approved By Steve Petermann	The second secon
Formation Test No. 6 Interval Tested from	4653 ft. to 4705 ft. Total Depth 4705 ft.
Packer Depth4648_ft. Size6_3/4in.	Packer depthft. Size 6 3/4 in.
Packer Depth 4653 ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4 in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 4634 ft.	Recorder Number
Bottom Recorder Depth (Outside) 4635 ft.	Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.
Mud Type Chemical Viscosity 44	Drill Collar Length 0_ft. I.D 2_1/4 in.
Weight9.5 Water Loss9.6	cc. Weight Pipe Length0 ft. I.D2 7/8 in
Chlorides 1500 P.P.M.	Drill Pipe Length 4620 ft. I.D 3 1/2 in
Jars: Make STERLING Serial Number Jars & Joint	Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow? No Reversed Out NO	Anchor Length 52 ft. Size 4 1/2-FH in 31' DP in Anchor
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH i	31' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open: Weak Surface Blow, Died in 10 Min	, No Blowback
^{2nd Open:} Dead, Pull Tool	
Recovered 10 ft. of Drilling Mud	
Recovered 10 ft. of TOTAL FLUID	
Recoveredft. of	
Recoveredft. of	
Recoveredft. of	B :
Recoveredft. of	Other Charges
Remarks:	Insurance
y	
	Total
Time Set Packer(s) 6:37 PM A.M. P.M. Time Started Off	Bottom 7:37 PM A.M. Maximum Temperature 129
Initial Hydrostatic Pressure	(A) 2323 P.S.I.
Initial Flow Period	(B) 9 P.S.I. to (C) 13 P.S.I.
Initial Closed In Period	(D)
Final Flow PeriodMinutes1	5 (E) 13 P.S.I. to (F) 15 P.S.I.
Final Closed In PeriodMinutes	(G)P.S.I.
Final Hydrostatic Pressure	(H) 2301 P.S.I.

Ses

C:\Users\Roger Friedly\Desktop\BVS41dst7 07-Jul-14 Ver



CELL # 620-617-0527

General Information

Company Name LB Exploration, Inc

Contact Mike Petermann Job Number K143 **Beaver Valley Supply 4-1 Representative Well Name** Jason McLemore **Unique Well ID** DSt #7 Spergen 4699-4720 Well Operator LB Exploration, Inc **Surface Location** 4-10s-32w-Thomas Prepared By Jason McLemore Wildcat Qualified By **Steve Petermann** Field **Vertical Test Unit Well Type**

Test Information

Representative Jason McLemore
Test Type Drill Stem Test Well Operator
Formation Spergen Report Date 2014/07/07
Well Fluid Type 01 Oil Prepared By Test Purpose (AEUB)

Representative Well Operator LB Exploration, Inc 2014/07/07
Prepared By Jason McLemore Initial Test

 Start Test Date
 2014/07/07 Start Test Time
 04:48:00

 Final Test Date
 2014/07/07 Final Test Time
 12:09:00

Test Results

RECOVERED:

1 Free Oil

35 VSOCM, 5% Oil, 95% Mud



P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

FILE: BVS41dst7

TIME ON: 4:48 AM

TIME OFF: 12:09 PM

Company LB Exploration, Inc	Lease & Well No. Beaver Valley Supply 4-1
Contractor Ninnescah	Charge to LB Exploration, Inc.
Elevation GL 3092 Formation Sper	en Effective PayFt. Ticket NoK143
	RangeStateKANSA
Test Approved By Steve Petermann	Diamond Representative Jason McLemore
Formation Test No. 7 Interval Tested from	699 ft. to 4720 ft. Total Depth 4720 ft.
Packer Depth 4694 ft. Size_ 6 3/4 in.	Packer depthft. Size 6 3/4 in.
Packer Depth 4699 ft. Size6 3/4in.	Packer depthft. Size6 3/4 in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 4680 ft.	Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4681 ft.	Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.
Mud Type Chemical Viscosity 44	Drill Collar Length 0 ft. I.D. 2 1/4 i
Weight 9.5 Water Loss 9.6	:. Weight Pipe Length0 ft. I.D2 7/8
Chlorides 1500 P.P.M.	Drill Pipe Length 4666 ft. I.D. 3 1/2
Jars: Make STERLING Serial Number Jars & Joint	Test Tool Length 33 ft. Tool Size 3 1/2-IF
Did Well Flow? No Reversed Out NO	Anchor Length 21 ft. Size 4 1/2-FH
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in	Surface Choke Size 1 in. Bottom Choke Size 5/8
Blow: 1st Open: Weak Blow, Built to 3/4', No Blowba	k
^{2nd Open:} Intermittent Surface Blow After 30 Min.	No Blowback
Recovered 1 ft. of Free Oil	
Recovered35_ft. of VSOCM, 5% Oil, 95% Mud	
Recovered 36 ft. of TOTAL FLUID	
Recoveredft. of	
Recoveredft. of	Price Job
Recoveredft. of	Other Charges
Remarks:	Insurance
C.20 AM A.M.	Total A.M. A.M.
Time Set Packer(s) 6:30 AM P.M. Time Started Off	
Initial Hydrostatic Pressure	(A) 2304 P.S.I.
Initial Flow Period	(B) 9 P.S.I. to (C) 17 P.S.I.
Initial Closed In Period	(D)1127 P.S.I.
Final Flow Period	(E)18 P.S.I. to (F)35 P.S.I.
Final Closed In PeriodMinutes90	(G)1122 _{P.S.I.}
Final Hydrostatic Pressure	(H) 2302 _{P.S.I.}

ALLIED OIL & GAS SERVICES, LLC 064069

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999	SERVICE POINT:
SOUTHLAKE, TEXAS 76092	- Oakley KS
DATE 7-23-14 SEC. 4 TWP. W RANGE 3 2 CAL	LED OUT ON LOCATION JOB START JOB FINISH 3:30 Am 1730 335
Kan Wildham I	1 to RIF, 2W, Themas STATE KS
OLD OR (NEW (Circle one)	
CONTRACTOR Chose Well Service	OWNER SOME
TYPE OF JOB POST COLLAR	CEMENT
HOLE SIZE '7'/k T.D. CASING SIZE 5'/12 DEPTH	AMOUNT ORDERED 500sts Life 60/40 8/gel
CASING SIZE 5/12 DEPTH TUBING SIZE 2.7/8 DEPTH	AMOUNT ORDERED 500 Sts Life boldo sigel,
DRILL PIPE DEPTH	
TOOL Port Celler DEPTH 2666	
PRES. MAX MINIMUM	COMMON@
MEAS, LINE SHOE JOINT	POZMIX@
CEMENT LEFT IN CSG.	GEL@
PERFS.	020
DISPLACEMENT 14 bb) water	11 310 ss @ 19.89 6165.80
EQUIPMENT	@
DIMPTRICK CEMENTER YOU BYOUTE	Sand 4 sts @ 10.08 40.32
TOWN THOOK	Flo-Seel 78 # @ 2.97 231.66
	Flo-Seel 10 @
#818/287 DRIVER ESTEDIAN (TWS)	-17 10 Jene C 10 C.C. 6.431.00
BULK TRUCK	(1081.38/00)20
# DRIVER	HANDLING 565. 66 (13 @ 2.48 1402.84)
	MILBAGE
REMARKS:	TOTAL
Gode Lood hole willbill KCL water, Test to	OND MADE
700 to Did and bold Run 20 Jts	SERVICE
sont sand only water Dilly test to 140	DEPTH OF JOB 2666
and nortically get grate.	PUMP TRUCK CHARGE 2,483,59
Disolate white the institution	EXTRA FOOTAGE @
	MILEAGE MIAV 10 @ 7.70 77.00
water, amount did citable	MANIFOLD @ 1116
Thankki	
1 1.	1000
CHARGE TO: LB Exploration	(929.52/20%) TOTAL 4.64763
,	
STREET	TO THE POST OF THE PARTY OF THE
CITYSTATEZIP	PLUG & FLOAT EQUIPMENT
	@
To: Allied Oil & Gas Services, LLC.	@
You are hereby requested to rent cementing equipment	@
and furnish comenter and helper(s) to assist owner of	
contractor to do work as is listed. The above work was	TOTAL
done to satisfaction and supervision of owner agent of	
contractor. I have read and understand the "GENERAL	SALES TAX (If Any)
TERMS AND CONDITIONS" listed on the reverse side	TOTAL CHARGES 1080.
N	000000000000000000000000000000000000000
PRINTED NAME	DISCOUNT DISCOUNT PAID IN 30 DAYS
SIGNATURE Y	5,868 40 Net.
SH -DIVILIAN I AN ANIA	

ALLIED OIL & GAS SERVICES, LLC 064044 Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

SERVICE POINT:	
Oakl	ey 5

	SEC. 4/	TWP	PANCE	CALLED OUT	ON LOCATIO	N JOB START	JOB FINISH
DATE 7-8-14	SEC. 4	TWP. /6	RANGE 32	Cricodo Co.	5130pe	m 160000	
Beauerialtey LEASE PPLY Y	WELL#	/	LOCATION Dak	lay 5N, 20	1, Yar,	Thomas	STATE
OLD OR NEW C	ircle one)		Wini	fv			
	1-	<i>t</i> .	121	_			
CONTRACTOR	vinne	scan	Post Citters	OWNER 5	aree_		
	1000 ac	from (Port Collars 4820	CEMENT			
	19/8	T.D.	4020	_ CEMBERT	DEPEN 19	OSKI ASC	10% 500
CASING SIZE 5 72 DEPTH 48141				_ AMOUNT OF	TAG LO	uita / 1/3	al KCL
TUBING SIZE DEPTH				17661	mud fl.	est.	
TOOL Parte	Cillar		YTH YTH	12001	2224) 2		
	puer		TH	COMMON_		@	
PRES. MAX		MIL	NIMUM DE JOINT 42/3	POZMIX			
MEAS. LINE CEMENT LEFT II	V CCC //	3 /3 /	DE JUINI 42/3	GEL	3.5	1.05	374.85
	N C30. 7	213		CHLORIDE		@	
PERFS.	1/2	12/1	1	ASC CBA	194 19	05/20 23.50	1465.00
DISPLACEMENT				(CLE KOL	1	@	
	EQU	IPMENT		Gilsonit		50#@ .95	931.00
		, /	1	1 1001 3 -V	_	@	
PUMP TRUCK	CEMENT	ERLak	one Ewen,	W Dai	110	ial @ 34.4	0 378.40
# 4/3/	HELPER	And	rew Forslund	1 /		@	
BULK TRUCK				Chruch	was bein 12	661 @ 4/1:09	493.08
#818/287	DRIVER	John 1	Poore (TUS)	Imph	cal) To	10 (0)	CG4333
BULK TRUCK				1117	1.308.46	12000	
#	DRIVER			HANDLING	24289-54	@ 2.48	60237
4				MIL FAGE	o. Cofon X1	0 X 2.75	291.28
	ne	MADIC.		MILLERIOUS		TOTA	11
0 1		MARKS:	1 0 - 11			1017	10
Pump ball	throw	zh	# Circlho				
Mix made	lean,	Plug	R. H. 30519. PC	ug	SE	RVICE	
NA 2058	Mrs.	14851	y down casi	ing	./0/	rel	-
Displace	rith K	Chlike	tor Land.	DEPTH OF	JOB 4/8/	7	20/505
plug	#. FL	bust	held	PUMPTRU	CK CHARGE_		7765.75
7 0				EXTRA FO	OTAGE	@	
				MILEAGE	MIHU	10@ 2.70	275,00
		Th	onkyou.	MANIFOLD	Head		44.00
		100	,	MILLU		1004.40	47,00
						@	
CHARGE TO:	BSV	Mala	transfer Time	/	1 -	- /	110000
CHAROL TO. 2	200				811.18/20	TOT.	AL 4,0559
STREET						k	
CITY	97	FATE	7.IP			o im politina	PAIG
CITY		INID				LOAT EQUIPM	ENI
				Weafle	erford s	5 62 "	
				AFUE	lost Shoe	@	545.00
				Lateral	oun lleig	@	66000
				Port-C	oclar"	@	3590.00
To: Allied Oil &	& Gas Serv	rices, LLC	<i>.</i>	Turbol	rers ((11) @ 95.0	0 1045.00
You are hereby	requested	to rent ce	menting equipmen	Basket	5 (Q) @ 395.	00 790.00
and furnish cen	nenter and	helper(s)	to assist owner or	1	0%)		
contractor to do	o work as i	s listed.	The above work wa	IS .	(0,0)	TOT	AL 6,6300
done to satisfac	ction and s	upervisio	n of owner agent or		No.	.0.	
contractor. I ha	ave read ar	d unders	land the "GENERA	L	V (If Anu)		
TERMS AND	CONDITI	ONS" list	ed on the reverse si	de. SALES IA	Λ (II ΛIIY)——	17272 1	13
				TOTAL CH	IARGES	11,300.6	, <u>)</u>
				DISCOUN	A /X	64(202)	PAID IN 30 DAYS
PRINTED NAM	IE			DISCOUN	1 -4,10,		
		, .			15.1	88.58 Ke	. 1 .
SIGNATURE -	21	10	Barrey	7000000			

ALLIED OIL & GAS SERVICES, LLC 064024

RI

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	SERVICE POINT: Oakky KS
I SEC 1 TWP RANGE - 2 CA	LLED OUT ON LOCATION JOB START JOB FINISH 12:00a, m. 2! 30a, m. 3:80a, m.
DATE (-)8-14 50 1110 32	
Beauer Villey WELL# LOCATION Bakley	NORDE F 112 Thanas STATEKS
OLD OR NEW (Circle one)	
CONTRACTOR Ninnescah	OWNER Saine
TYPE OF JOB SUC Lace	
HOLESIZE 1214 T.D. 355	CEMENT
CASING SIZE 85/8 DEPTH 340 '	AMOUNT ORDERED 225 SKS (om 3/1)
TUBING SIZE DEPTH DRILL PIPE DEPTH	CC 21. get
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON 2255ES @ 17.90 4827.50
MEAS. LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG. 15'	GEL 4234 @ 1.05 444.15
PERFS.	CHLORIDE 635 4 @ 1.10 695.50
DISPLACEMENT 20.70 bbl water	ASC@
EQUIPMENT	Mcfecc 1016 5,000
	TIMETER TOTAL
PUMPTRUCK CEMENTER Tay Deaver	(103903/202)
# 120 HELPER THEY Flipse	
BULK TRUCK	@
# 600 DRIVER Juan 2 (Tws)	@
BULK TRUCK # DRIVER	@
T DRIVER	HANDLING 243.3 443 @ 2.48 603.38
D 50 4 1 D4/0	MILEAGE 11.10 *cosx 10mi x 2.75 305.25
REMARKS:	TOTAL
mix 225 sks lom 3/10 71. gel	
_ Displace w/ worker	SERVICE
coment did circulate	DEPTH OF JOB 355'
and the second s	PUMP TRUCK CHARGE 151239
	EXTRA FOOTAGE @
	MILEAGE MINI/ 10 @ 7.70 77.00
	MANIFOLD Swedge @ 275.00 MILV 10 @4.40 44.00
Thank You!	MILV 10 @ 4.40 44.00
twitten	@
CHARGE TO: LB Exploration	(563.37/20%) 28/18/
STREET	TOTAL 2, 016.00
CITYSTATEZIP	PLUG & FLOAT EQUIPMENT
	@
To: Allied Oil & Gas 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	TOTAL
contractor. I have read and understand the "GENERAL	
TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)
·	TOTAL CHARGES 100
PRINTED NAME	DISCOUNT 1097.46 (206) F PAID IN 30 DAYS
PRINTED NAME	
SIGNATURE	6,389.62 Net