

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1076556

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:			Sec	TwpS. R		
Address 2:			Feet	from North / South Line of Sectio		
City: St	ate: Zip	D:+	Feet	from East / West Line of Section		
Contact Person:			Footages Calculated from Ne	earest Outside Section Corner:		
Phone: ()			□ NE □ NW	☐ SE ☐ SW		
CONTRACTOR: License #			GPS Location: Lat:	, Long:		
Name:				g. xx.xxxxx) (e.gxxx.xxxxx)		
Wellsite Geologist:			Datum: NAD27 NAD27			
Purchaser:			County:			
Designate Type of Completion:			Lease Name:	Well #:		
New Well Re-	·Fntrv	Workover	Field Name:	Field Name:		
	_		Producing Formation:			
☐ Oil ☐ WSW	SWD	SIOW	Elevation: Ground: Kelly Bushing:			
☐ Gas ☐ D&A ☐ OG	☐ ENHR	☐ SIGW ☐ Temp. Abd.	Total Vertical Depth:	Plug Back Total Depth:		
CM (Coal Bed Methane)	G3W	iemp. Abd.	Amount of Surface Pipe Set a	and Cemented at: Fee		
Cathodic Other (Core	Expl etc.)		Multiple Stage Cementing Co			
If Workover/Re-entry: Old Well Inf				Fee		
Operator:				nent circulated from:		
Well Name:			, ,	w/sx cm		
Original Comp. Date:			loot doparto.			
	_	NHR Conv. to SWD				
Deepening Re-perf. Plug Back	Conv. to GS		Drilling Fluid Management F (Data must be collected from the			
Commingled	Permit #:		Chloride content:	ppm Fluid volume: bbl		
Dual Completion	Permit #:		Dewatering method used:			
SWD	Permit #:		Location of fluid disposal if ha	auled offsite:		
☐ ENHR	Permit #:		One water Name :			
GSW Permit #:						
				License #:		
Spud Date or Date Rea	iched TD	Completion Date or		TwpS. R		
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 Approved by: Date:				

Page Two



Operator Name:			Lease Name: _			Well #:		
Sec Twp	S. R	East West	County:					
open and closed, flow and flow rates if gas t	ving and shut-in presson to surface test, along w	formations penetrated. I ures, whether shut-in pro vith final chart(s). Attach	essure reached stati n extra sheet if more	c level, hydrosta space is neede	itic pressures, bott d.	tom hole tempe	erature, fluid r	recovery,
		otain Geophysical Data a or newer AND an image		egs must be ema	ailed to kcc-well-lo	gs@kcc.ks.gov	n. Digital elec	tronic log
Drill Stem Tests Taken (Attach Additional	•	Yes No		_	on (Top), Depth ar		Samp	
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	e		Тор	Datur	m
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
		CASING	RECORD Ne	ew Used				
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, 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 P Additiv	
		ADDITIONAL	OFMENTING / OOL					
Purpose:	Depth		CEMENTING / SQL	JEEZE RECORD		araant Additiraa		
Perforate	Top Bottom	Type of Cement # Sacks Used Type and Percen			ercent Additives			
Protect Casing Plug Back TD								
Plug Off Zone								
Did vou perform a hydra	ulic fracturing treatment o	on this well?		Yes	No (If No, ski	p questions 2 ar	nd 3)	
	=	raulic fracturing treatment ex	xceed 350,000 gallons		= ' '	p question 3)	,	
Was the hydraulic fractu	ring treatment information	n submitted to the chemical	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per			cture, Shot, Cement			Depth
	Сроспу Г	octago of Laon morvari of	ioratou	(>1	mount and rand or ma	teriar Good)		Борит
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or EN							
Fotimeted Day 1 . C	0" -	Flowing			Other (Explain)	) O" D "		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	Gas-Oil Ratio	Gr 	ravity
DISPOSITI	ON OF GAS:	1	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:	
Vented Sold		Open Hole	Perf. Dually	Comp. Con	mmingled			
	bmit ACO-18.)	Other (Specify)	(Submit )	ACO-5) (Sub	omit ACO-4)			

Form	ACO1 - Well Completion		
Operator	Mull Drilling Company, Inc.		
Well Name	LPR, Inc. 1-23		
Doc ID	1076556		

### Tops

Name	Тор	Datum
Anhydrite	2168	+ 598
B/Anhydrite	2187	+ 579
Heebner	3688	- 922
Lansing	3735	- 969
Muncie Creek	3899	- 1133
Stark	3991	- 1225
ВКС	4070	- 1304
Marmaton	4104	- 1338
Ft. Scott	4263	- 1497
Cherokee	4290	- 1524
Mississippian	4430	- 1664

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

March 26, 2012

Mark Shreve Mull Drilling Company, Inc. 1700 N WATERFRONT PKWY BLDG 1200 WICHITA, KS 67206

Re: ACO1 API 15-109-21033-00-00 LPR, Inc. 1-23 NE/4 Sec.23-15S-33W Logan County, Kansas

### **Dear Production Department:**

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Mark Shreve



Brito Oil Co

1700 N Waterfront Pkw y

Bldg 300 Suite C

ATTN: Derek Patterson

23 15s 33w

Unit No:

LPR, Inc #1-23

Job Ticket: 45368 **DST#:1** 

Test Start: 2011.12.04 @ 00:19:00

Walter

### **GENERAL INFORMATION:**

Formation: LKC E

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:23:30 Time Test Ended: 07:09:45

Interval: 3806.00 ft (KB) To 3824.00 ft (KB) (TVD)

Total Depth: 3824.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley

Reference Elevations: 2766.00 ft (KB)

2761.00 ft (CF) KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Press@RunDepth: 17.02 psig @ 3807.00 ft (KB) Capacity: 8000.00 psig

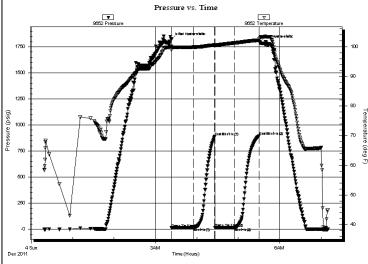
 Start Date:
 2011.12.04
 End Date:
 2011.12.04
 Last Calib.:
 2011.12.04

 Start Time:
 00:19:05
 End Time:
 07:09:44
 Time On Btm:
 2011.12.04 @ 03:23:15

 Time Off Btm:
 2011.12.04 @ 05:30:30

TEST COMMENT: IF: Surface Blow.

ISI: No return. FF: Surface blow. FSI: No return.



	PRESSURE SUMMARY				
1	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	1819.35	100.18	Initial Hydro-static	
	1	12.28	98.98	Open To Flow (1)	
	32	15.89	99.86	Shut-In(1)	
7	63	888.87	100.58	End Shut-In(1)	
Temperature (ded	63	16.00	100.26	Open To Flow (2)	
rature	92	17.02	101.29	Shut-In(2)	
dea	127	895.30	102.21	End Shut-In(2)	
פ	128	1794.99	102.71	Final Hydro-static	

### Recovery

Length (ft)	Description	Volume (bbl)
3.00	Oil 100o (6" mud on botom)	

Gas Rates			
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)	

Trilobite Testing, Inc Ref. No: 45368 Printed: 2011.12.04 @ 10:50:08



**FLUID SUMMARY** 

Brito Oil Co 23 15s 33w

1700 N Waterfront Pkw y LPR, Inc #1-23

Bldg 300 Suite C Job Ticket: 45368 **DST#:1** 

ATTN: Derek Patterson Test Start: 2011.12.04 @ 00:19:00

Serial #:

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API

Viscosity: 51.00 sec/qt Cushion Volume: bbl

Water Loss: 6.40 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3800.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

Length ft	Description	Volume bbl
3.00	Oil 100o (6" mud on botom)	0.030

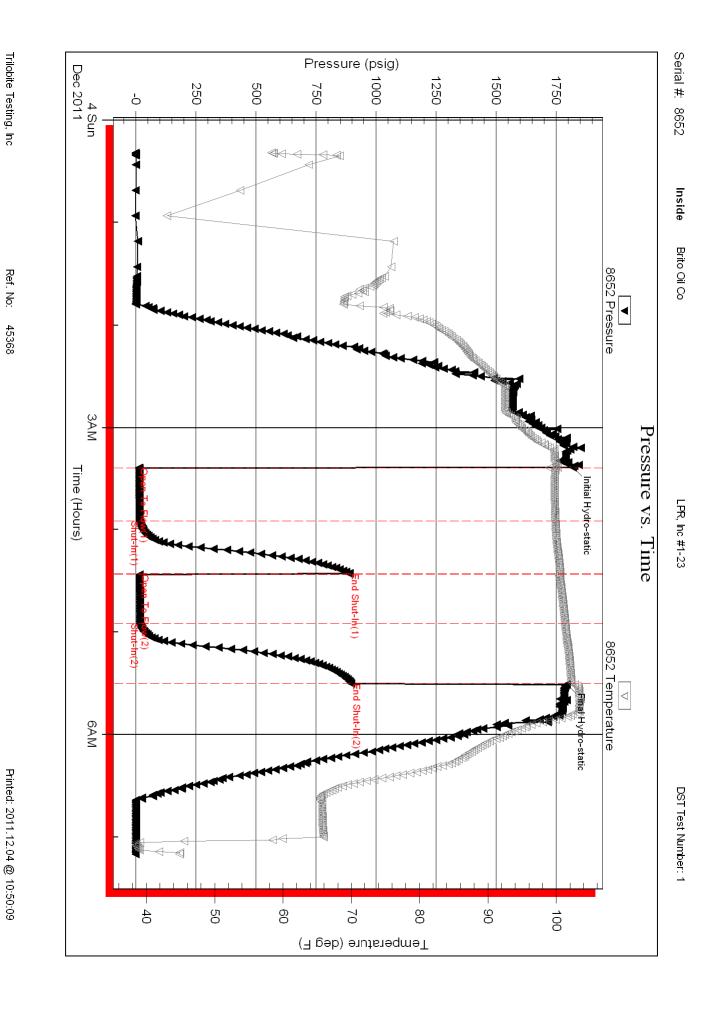
Total Length: 3.00 ft Total Volume: 0.030 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 45368 Printed: 2011.12.04 @ 10:50:09





Brito Oil Co

LPR, Inc #1-23

23 15s 33w

1700 N Waterfront Pkw y Bldg 300 Suite C

,

ATTN: Derek Patterson

Job Ticket: 45369 **DST#:2** 

2766.00 ft (KB)

Test Start: 2011.12.04 @ 22:13:00

### **GENERAL INFORMATION:**

Formation: LKC I

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 01:08:30 Tester: Bradley
Time Test Ended: 05:03:15 Unit No: Walter

Interval: 3924.00 ft (KB) To 3960.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 3960.00 ft (KB) (TVD) 2761.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Press@RunDepth: 33.31 psig @ 3925.00 ft (KB) Capacity: 8000.00 psig

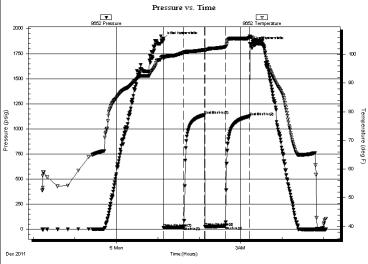
 Start Date:
 2011.12.04
 End Date:
 2011.12.05
 Last Calib.:
 2011.12.05

 Start Time:
 22:13:05
 End Time:
 05:03:14
 Time On Btm:
 2011.12.05 @ 01:08:00

Time Off Btm: 2011.12.05 @ 03:13:15

TEST COMMENT: IF: Surface blow.

ISI: No return. FF: Surface blow . FSI: No return.



	PRESSURE SUMMARY				
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	1898.67	99.25	Initial Hydro-static	
	1	16.53	98.56	Open To Flow (1)	
	30	24.24	100.60	Shut-In(1)	
7	60	1139.23	101.57	End Shut-In(1)	
Temperature	61	25.14	101.17	Open To Flow (2)	
rature	90	33.31	102.57	Shut-In(2)	
neb)	125	1126.31	105.87	End Shut-In(2)	
פ	126	1846.36	106.32	Final Hydro-static	

DDECCLIDE CLIMANA DV

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m	0.30
* Recovery from mul	tiple tests	

Gas Rates					
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)		

Trilobite Testing, Inc Ref. No: 45369 Printed: 2011.12.05 @ 09:03:28



**FLUID SUMMARY** 

Brito Oil Co 23 15s 33w

LPR, Inc #1-23 1700 N Waterfront Pkw y

Bldg 300 Suite C Job Ticket: 45369 DST#: 2

ATTN: Derek Patterson Test Start: 2011.12.04 @ 22:13:00

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API 0 ppm

Mud Weight: Cushion Length: 9.00 lb/gal Water Salinity: ft

Viscosity: 46.00 sec/qt Cushion Volume: bbl

Water Loss:  $6.40 in^3$ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

3800.00 ppm Salinity: Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100m	0.298

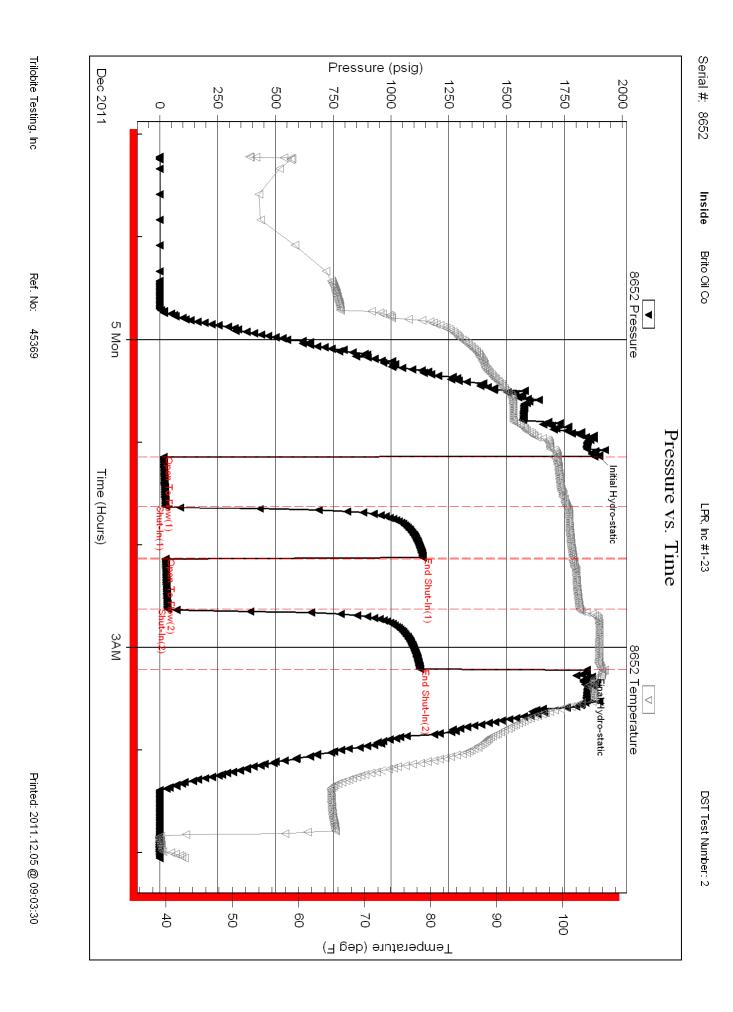
30.00 ft Total Volume: 0.298 bbl Total Length:

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Printed: 2011.12.05 @ 09:03:29 Trilobite Testing, Inc Ref. No: 45369





Brito Oil Co

1700 N Waterfront Pkw y

Bldg 300 Suite C

ATTN: Derek Patterson

23 15s 33w

Time Off Btm:

LPR, Inc #1-23

Job Ticket: 45370 DST#: 3

Test Start: 2011.12.06 @ 08:55:00

Bradley

Walter

### **GENERAL INFORMATION:**

Formation: Altamont B-C

Deviated: Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 11:28:30 Tester: Time Test Ended: 18:11:00 Unit No:

Interval: 4136.00 ft (KB) To 4180.00 ft (KB) (TVD)

Total Depth: 4180.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Reference Elevations: 2766.00 ft (KB)

> KB to GR/CF: 5.00 ft

> > 2011.12.06 @ 15:01:30

2761.00 ft (CF)

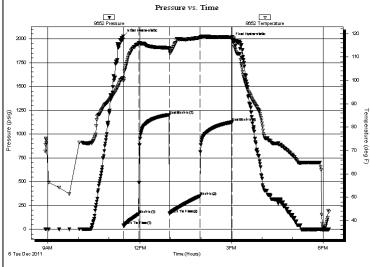
Serial #: 8652 Inside

Press@RunDepth: 4137.00 ft (KB) 347.09 psig @ Capacity: 8000.00 psig

Start Date: 2011.12.06 End Date: 2011.12.06 Last Calib.: 2011.12.06 Start Time: 08:55:05 End Time: Time On Btm: 2011.12.06 @ 11:28:15 18:11:00

TEST COMMENT: IF: BOB @ 8 min.

ISI: 1" return. FF: BOB @ 8 min. FSI: 2" return.



1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2025.62	101.13	Initial Hydro-static
	1	44.99	99.81	Open To Flow (1)
	30	160.27	115.79	Shut-In(1)
4	90	1202.42	113.93	End Shut-In(1)
	91	167.07	113.30	Open To Flow (2)
1	150	347.09	118.17	Shut-In(2)
(doa	213	1125.36	118.33	End Shut-In(2)
9	214	1988.91	118.66	Final Hydro-static

Cac Datas

PRESSURE SUMMARY

### Recovery

Length (ft)	Description	Volume (bbl)
190.00	gmco 30g 5m 65o	1.89
755.00	gmco 30g 30m 40o	7.51
0.00	700' GIP	0.00
* Recovery from mult	iple tests	

Oas Nai	.03	
Choko (inchos)	Proceuro (peig)	Gas Pato (Mof/d)

Trilobite Testing, Inc. Ref. No: 45370 Printed: 2011.12.07 @ 08:22:18



**FLUID SUMMARY** 

Brito Oil Co

1700 N Waterfront Pkw y

Bldg 300 Suite C

LPR, Inc #1-23

23 15s 33w

Job Ticket: 45370 **DST#: 3** 

ATTN: Derek Patterson Test Start: 2011.12.06 @ 08:55:00

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 23 deg API

Viscosity: 46.00 sec/qt Cushion Volume: bbl

Water Loss: 10.38 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4400.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

Length ft	Description	Volume bbl
190.00	gmco 30g 5m 65o	1.890
755.00	gmco 30g 30m 40o	7.510
0.00	700' GIP	0.000

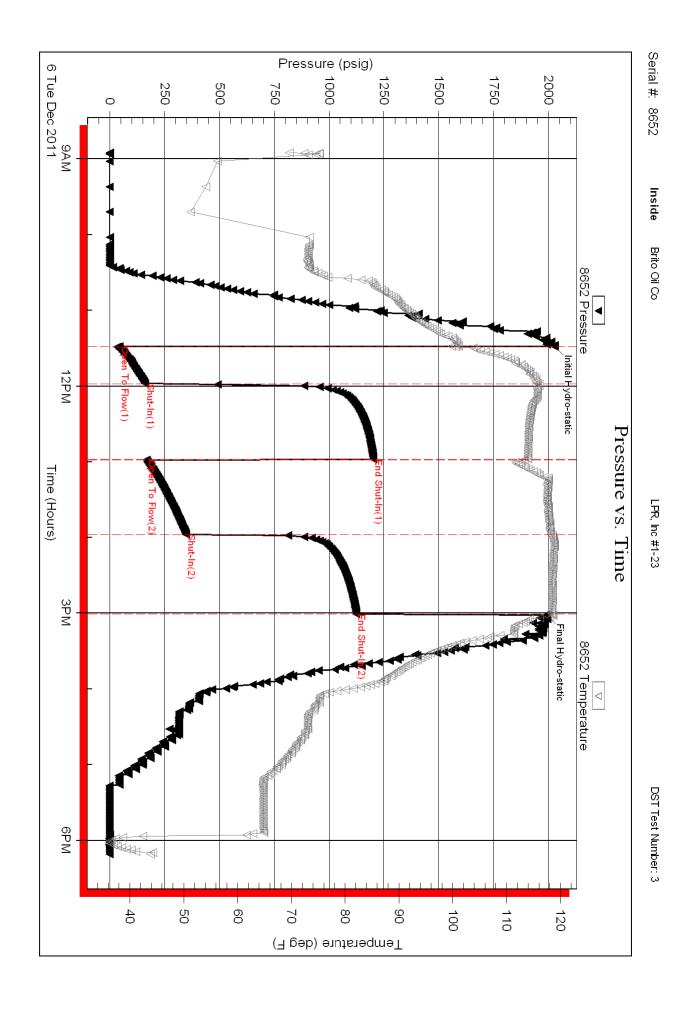
Total Length: 945.00 ft Total Volume: 9.400 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 45370 Printed: 2011.12.07 @ 08:22:19



Trilobite Testing, Inc

Ref. No:

45370

Printed: 2011.12.07 @ 08:22:19



Scale 1:240 (5"=100') Imperial

Well Name: LPR, Inc. #1-23

Location: Sec. 23 - T15S - R33W, Logan County, KS

Licence Number: API No.: 15-109-21033-0000 Region: Wildcat

Spud Date: November 28, 2011 Drilling Completed: December 9, 2011

Surface Coordinates: 466 FNL & 374' FEL; 3-D Location

**Bottom Hole Coordinates:** 

Ground Elevation (ft): 2761' K.B. Elevation (ft): 2766' Logged Interval (ft): 3400' To: 4510' Total Depth (ft): 4509' (LTD)

Formation: Mississippian

Type of Drilling Fluid: Chemical Gel/Polymer

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

### **OPERATOR**

Company: Brito Oil Company, Inc.
Address: 1700 N. Waterfront Parkway

Building 300, Suite C Wichita, KS 67206

#### **GEOLOGIST**

Name: Derek W. Patterson

Company: Valhalla Exploration, LLC

Address: 133 N. Glendale

Wichita, KS 67208

#### **REMARKS**

After review of the open hole logs, positive DST results, and sample evaluations for the LPR, Inc. #1-23, it was decided upon by operator to run 5 1/2" production casing to further evaluate the multiple zones encountered while drilling said well.

The well samples were saved, submitted, and will be available for review at the Kansas Geologic Survey's Well Sample Library located in Wichita, KS.

Respectfully Submitted,

Derek W. Patterson

## Brito Oil Co., Inc.

### DAILY DRILLING REPORT

Company: Brito Oil Co., Inc.

1700 N. Waterfront Parkway Building 300, Suite C

Wichita, KS 67206

Contact: Raul Brito

Cell: 316.204.3093 Office: 316.263.8787

Geologist: Derek W. Patterson

Cell: 316.655.3550 Office: 316.558.5202

Drilling Contractor: L.D. Drilling, Inc. - Rig #1

Well: LPR, Inc. #1-23 Location: 466' FNL & 374' FEL Sec. 23 - T15S - R33W Logan Co., KS Elevation: 2761' GL - 2766' KB

Field: Wildcat

API: 15-109-21033-0000

Surface Casing: 255.35' of 8 5/8" set @ 263' KB

Spud Date: November 28, 2011

Drilling Complete: December 9, 2011

Toolpushe	r: Rick Wilson	
DATE	7:00 AM DEPTH	PREVIOUS 24 HOURS OF OPERATIONS
12.3.2011	3631'	Drilling and connections upper Pennsylvanian beds and into Topeka. Geologist Derek W. Patterson on location, 2240 hrs 12.2.11. Drilling and connections Topeka.  Made 466' over past 24 hrs of operations.  DMC: \$918.55 CMC: \$7,971.80
12.4.2011	3824'	Drilling and connections Topeka, Heebner, Toronto, and into Lansing. CFS @ 3780' (LKC 'B'). Resume drilling and connections Lansing. CFS @ 3824' (LKC 'E'). Shows warrant DST #1. CTCH, short trip, CTCH, drop survey, strap out for DST #1, 2200 hrs 12.3.11. TIH with tool. Conducting DST #1, test successful.  Made 193' over past 24 hrs of operations.  DMC: \$184.00 CMC: \$8,155.80
12.5.2011	3960'	TIH with bit, CTCH, resume drilling following DST #1, 1055 hrs 12.4.11. Drilling and connections Lansing. CFS @ 3960' (LKC 'I'). Shows warrant DST #2. CTCH, TOH for DST #2, 2045 hrs 12.4.11. TIH with tool. Conducting DST #2, test successful. TIH with bit.  Made 136' over past 24 hrs of operations.  DMC: \$580.60 CMC: \$8,736.40
12.6.2011	4180'	TIH with bit. Down for rig maintenance. CTCH, resume drilling following DST #2, 1005 hrs 12.5.11. Drilling and connections Lansing. CFS @ 4030' (LKC 'K'). Resume drilling and connections Lansing. CFS @ 4070' (LKC 'L'). Resume drilling and connections Lansing, Base Kansas City, Marmaton, and into Altamont. CFS @ 4156' (Altamont). Resume drilling Altamont. CFS @ 4180' (Altamont). Shows warrant DST #3. CTCH, drop survey. First 7 stands pulled tight, decision made to short trip. Short trip, CTCH.  Made 220' over past 24 hrs of operations.  DMC: \$179.50 CMC: \$8,915.90
12.7.2011	4240'	CTCH, TOH for DST #3, 0730 hrs 12.6.11. TIH with tool. Conducting DST #3, test successful. TIH with bit, CTCH, resume drilling following DST #3, 2240 hrs 12.6.11. Drilling and connections into Pawnee. Rig down for mud pump repairs. Resume drilling. CFS @ 4224' (Pawnee). Resume drilling and connections Pawnee.  Made 60' over past 24 hrs of operations.  DMC: \$839.95 CMC: \$9,755.85
12.8.2011	4356'	Drilling Pawnee, Myrick Station, and into Fort Scott. CFS @ 4266' (Fort Scott). Resume drilling and connections Fort Scott. CFS @ 4286' (Fort Scott). Shows warrant DST #4. CTCH, TOH for DST #4, 1345 hrs 12.7.11. TIH with tool. Conducting DST #4, test successful. TIH with bit, resume drilling following DST #4, 0030 hrs 12.8.11. Drilling and connections Fort Scott, Cherokee, and into Johnson. Made 116' over past 24 hrs of operations.  DMC: \$1,718.55 CMC: \$11,474.40
12.9.2011	RTD - 4510' LTD - 4509'	Drilling through Johnson. CFS @ 4373' (Johnson). Shows warrant DST #5. CTCH, TOH for DST #5, 0930 hrs 12.8.11. TIH with tool. Conducting DST #5, test successful. TIH with bit, resume drilling following DST #5, 2000 hrs 12.8.11. Drilling and connections lower Johnson and through Morrow Sand. CFS @ 4405'. Resume drilling and connections into Mississippian and ahead to RTD of 4510'. RTD reached, 0645 hrs 12.9.11. CTCH.  Made 154' over past 24 hrs of operations.  DMC: \$0.00 CMC: \$11,474.40
12.10.2011	RTD - 4510' LTD - 4509'	CTCH, drop survey, TOH for open hole logging operations, 0830 hrs 12.9.11. Commence open hole logging operations, 1045 hrs 12.9.11. Logging operations complete, 1500 hrs 12.9.11. Orders received to run 5 1/2" production casing to further evaluate the multiple zones encountered while drilling the LPR, Inc. #1-23.  Geologist Derek W. Patterson off location, 1545 hrs 12.9.11.  CMC: \$ 11,474.40

## Brito Oil Co., Inc.

### WELL COMPARISON SHEET

	DRILLING WELL			DRILLING WELL COMPARISON WELL						COMPARI	SON WELL	
	Brito Oil Co - LPR, Inc. #1-23				Vickers - Deweese #1			Brito Oil Co - Fairleigh #1-13				
		466' FNL 8	374' FEL			SW SW SW			1650' FNL & 2310' FWL			
		Sec. 23 - T	15S - R33W			Sec. 13 - T	15S - R33W			Sec. 13 - T	15S - R33W	
						ry	Stru	ctural	Oil - A	ltamont	Struc	tural
	2766	KB			2795	КВ	Relati	onship	2779	KB	Relati	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	3466	-700	3463	-697	3492	-697	-3	0	3470	-691	9	-6
Heebner	3690	-924	3688	-922	3719	-924	0	2	3695	-916	-8	-6
Toronto	3708	-942	3707	-941	3738	-943	1	2	3712	-933	-9	-8
Lansing	3732	-966	3735	-969	3758	-963	-3	-6	3737	-958	-8	-11
Muncie Creek	3901	-1135	3899	-1133	3926	-1131	4	-2	3897	-1118	-17	-15
LKC 'H'	3910	-1144	3910	-1144	3935	-1140	4	-4	3913	-1134	-10	-10
Stark	3992	-1226	3991	-1225	4028	-1233	7	8	3994	-1215	-11	-10
LKC 'K'	4000	-1234	4000	-1234	4035	-1240	6	6	4003	-1224	-10	-10
Hushpuckney	4036	-1270	4035	-1269	4073	-1278	8	9	4036	-1257	-13	-12
Base Kansas City	4071	-1305	4070	-1304	4109	-1314	9	10	4072	-1293	-12	-11
Marmaton	4103	-1337	4104	-1338	4144	-1349	12	11	4105	-1326	-11	-12
Altamont	4120	-1354	4123	-1357	4164	-1369	15	12	4118	-1339	-15	-18
Pawnee	4212	-1446	4213	-1447	4247	-1452	6	5	4205	-1426	-20	-21
Myrick Station	4249	-1483	4250	-1484	4285	-1490	7	6	4239	-1460	-23	-24
Fort Scott	4262	-1496	4263	-1497	4301	-1506	10	9	4254	-1475	-21	-22
Cherokee	4290	-1524	4290	-1524	4328	-1533	9	9	4282	-1503	-21	-21
Johnson Zone	4335	-1569	4334	-1568	4373	-1578	9	10	4325	-1546	-23	-22
Mississippian	4431	-1665	4430	-1664	4463	-1668	3	4	4410	-1631	-34	-33
Total Depth	4510	-1744	4509	-1743	4692	-1897	153	154	4500	-1721	-23	-22

### **BIT RECORD**

Bit #	Size	Make	Туре	Serial Number	Depth In	Depth Out	Feet	Hours
1	12 1/4"	Varel	STRT	HA1160	0,	263'	263'	2.25
2	7/78"	Reed	S-52	D148953	263'	4373'	4110'	120
3	7 7/8"	Reed (RR)	S-52	HA2512	4373'	4510'	137'	9.25

### SURFACE CASING RECORD

11.28.2011 Ran 6 joints of new 23#/ft 8 5/8" casing, tallying 255.35', set @ 263' KB. Cemented with 175 sacks common (3% gel, 2% calcium chloride). Cement did circulate to surface. Plug down @ 2215 hrs 11.28.11.

### PRODUCTION CASING RECORD

12.9.2011 Ran 109 joints of new 14#/ft 5 1/2" production casing, set @ 4501' KB. Cemented with 220 sacks 50/50 Poz mix (10% salt, 2 % gel).

Plug down @ 0545 hrs 12.10.11.

### **DEVIATION SURVEY RECORD**

Depth	Survey
263'	1/4°
3824'	3/4°
4180'	1°
4510'	1 1/4°

### PIPE STRAP RECORD

 Depth
 Pipe Strap

 3824'
 0.2' Short to Board



Brito Oil Co

23 15s 33w

1700 N Waterfront Pkw y Bldg 300 Suite C LPR, Inc #1-23

Job Ticket: 45368

DST#:1

ATTN: Derek Patterson

Test Start: 2011.12.04 @ 00:19:00

#### GENERAL INFORMATION:

Formation: LKC E

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 03:23:30 Tester: Bradley
Time Test Ended: 07:09:45 Unit No: Walter

Interval: 3806.00 ft (KB) To 3824.00 ft (KB) (TVD)

Reference Elevations: 2766.00 ft (KB) 2761.00 ft (CF)

Total Depth: 3824.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Press@RunDepth: 17.02 psig @ 3807.00 ft (KB) Capacity: 8000.00 psig

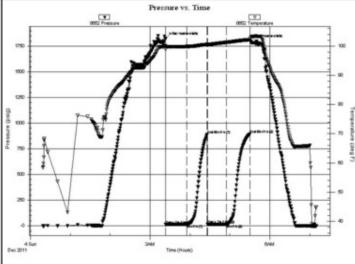
 Start Date:
 2011.12.04
 End Date:
 2011.12.04
 Last Calib.:
 2011.12.04

 Start Time:
 00:19:05
 End Time:
 07:09:44
 Time On Btm:
 2011.12.04 @ 03:23:15

Time Off Btm: 2011.12.04 @ 05:30:30

TEST COMMENT: IF: Surface Blow.

ISI: No return. FF: Surface blow. FSI: No return.



Г	Time	Pressure	Temp	Annotation	
ı	(Min.)	(psig)	(deg F)	Service Control Contro	
ı	0	1819.35	100.18	Initial Hydro-static	
ı	1	12.28	98.98	Open To Flow (1)	
ı	32	15.89	99.86	Shut-In(1)	
ı	63	888.87	100.58	End Shut-In(1)	
ı	63	16.00	100.26	Open To Flow (2)	
l	92	17.02	101.29	Shut-In(2)	
L	127	895.30	102.21	End Shut-In(2)	
L	128	1794.99	102.71	Final Hydro-static	
l					
l					

DDECCURE CUMMARY

### Recovery

Length (ft)	Description	Volume (bbl)
3.00	Oil 100o (6" mud on botom)	0.03

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 45368 Printed: 2011.12.04 @ 07:42:04



Brito Oil Co

23 15s 33w

Time Off Btm:

1700 N Waterfront Pkw y Bldg 300 Suite C LPR, Inc #1-23 Job Ticket: 45369

DST#:2

ATTN: Derek Patterson

Test Start: 2011.12.04 @ 22:13:00

### GENERAL INFORMATION:

Formation: LKC I

Interval: Total Depth:

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 01:08:30
Time Test Ended: 05:03:15

3924.00 ft (KB) To 3960.00 ft (KB) (TVD)

3960.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Good

Tester: Bradley
Unit No: Walter

Reference Elevations: 2766.00 ft (KB)

2761.00 ft (OF)

KB to GR/CF: 5.00 ft

2011.12.05 @ 03:13:15

Serial #: 8652 Inside

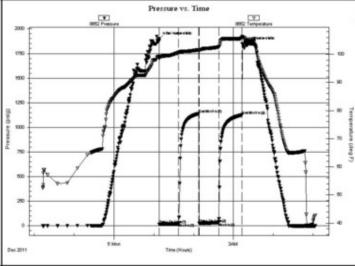
Press@RunDepth: 33.31 psig @ 3925.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2011.12.04
 End Date:
 2011.12.05
 Last Calib.:
 2011.12.05

 Start Time:
 22:13:05
 End Time:
 05:03:14
 Time On Btm:
 2011.12.05 @ 01:08:00

TEST COMMENT: IF: Surface blow.

ISI: No return. FF: Surface blow . FSI: No return.



	PRESSURE SUMMARY			E SUMMARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1898.67	99.25	Initial Hydro-static
	1	16.53	98.56	Open To Flow (1)
	30	24.24	100.60	Shut-ln(1)
1	60	1139.23	101.57	End Shut-In(1)
Temperature (deg F)	61	25.14	101.17	Open To Flow (2)
rature	90	33.31	102.57	Shut-ln(2)
(deg	125	1126.31	105.87	End Shut-In(2)
3	126	1846.36	106.32	Final Hydro-static
				**

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m	0.30

Gas Rates
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Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc.

Ref. No: 45369

Printed: 2011.12.05 @ 05:34:56



Brito Oil Co

23 15s 33w

Time Off Btm:

1700 N Waterfront Pkw y

LPR, Inc #1-23

Bldg 300 Suite C

Job Ticket: 45370

DST#:3

ATTN: Derek Patterson

Test Start: 2011.12.06 @ 08:55:00

### GENERAL INFORMATION:

Formation: Altamont B-C

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 11:28:30 Tester: Bradley
Time Test Ended: 18:11:00 Unit No: Walter

Interval: 4136.00 ft (KB) To 4180.00 ft (KB) (TVD) Reference Elevations:

2766.00 ft (KB) 2761.00 ft (CF)

2011.12.06 @ 15:01:30

Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Total Depth:

Press@RunDepth: 347.09 psig @ 4137.00 ft (KB) Capacity: 8000.00 psig

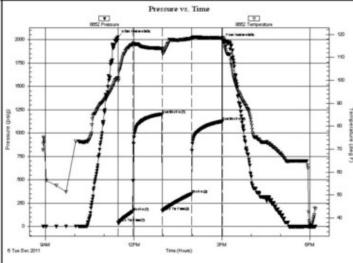
 Start Date:
 2011.12.06
 End Date:
 2011.12.06
 Last Calib.:
 2011.12.06

 Start Time:
 08:55:05
 End Time:
 18:11:00
 Time On Btm:
 2011.12.06 @ 11:28:15

TEST COMMENT: IF: BOB @ 8 min.

ISI: 1" return. FF: BOB @ 8 min. FSI: 2" return.

4180.00 ft (KB) (TVD)



1		PRESSURE SUMMARY			
İ	Time	Pressure	Temp	Annotation	
- 1	(Min.)	(psig)	(deg F)		
- 1	0	2025.62	101.13	Initial Hydro-static	
- 1	1	44.99	99.81	Open To Flow (1)	
- 1	30	160.27	115.79	Shut-In(1)	
٦l	90	1202.42	113.93	End Shut-In(1)	
9 000	91	167.07	113.30	Open To Flow (2)	
Temperature (deg F)	150	347.09	118.17	Shut-In(2)	
(6eg)	213	1125.36	118.33	End Shut-In(2)	
3	214	1988.91	118.66	Final Hydro-static	
١					
١					
- 1					
- 1					
- 1					
- 1					

#### Recovery

Description	Volume (bbl)	
gmco 30g 5m 65o	1.89	
gmco 30g 30m 40o	7.51	
700' GIP	0.00	
	gmco 30g 5m 65o gmco 30g 30m 40o	

Gas Ra	tes	
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Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc.

Ref. No: 45370

Printed: 2011.12.06 @ 18:44:39



Brito Oil Co

23 15s 33w

1700 N Waterfront Pkw y Bldg 300 Suite C

LPR, Inc #1-23

Job Ticket: 45371

DST#:4

ATTN: Derek Patterson

Test Start: 2011.12.07 @ 15:33:00

### GENERAL INFORMATION:

Formation: Pawnee - Ft Scott

Deviated: Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset) No

Time Tool Opened: 17:32:45 Tester: Bradley Walter Time Test Ended: 21:32:45 Unit No:

4188.00 ft (KB) To 4286.00 ft (KB) (TVD) Interval:

Reference Elevations: 2766.00 ft (KB) 2761.00 ft (OF)

Total Depth: 3824.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

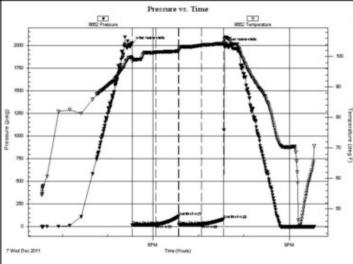
Press@RunDepth: 25.08 psig @ 4189.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2011.12.07 End Date: 2011.12.07 Last Calib .: 2011.12.07 Start Time: 15:33:05 End Time: 21:32:44 Time On Btm: 2011.12.07 @ 17:32:30

Time Off Btm: 2011.12.07 @ 19:34:30

TEST COMMENT: IF: 1 1/2 " blow .

ISI: No return. FF: 1" blow. FSI: No return.



		PI	RESSUR	E SUMMARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2021.10	99.54	Initial Hydro-static
	1	17.63	98.36	Open To Flow (1)
	32	20.72	101.46	Shut-In(1)
4	61	113.46	101.76	End Shut-In(1)
enge	62	20.76	101.93	Open To Flow (2)
Temperature (deg F)	92	25.08	103.70	Shut-In(2)
(deg	121	83.68	104.29	End Shut-In(2)
2	122	2005.90	105.80	Final Hydro-static
	11.00	200000000000000000000000000000000000000	45000000	

#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m (oil Spots)	0.30
0.00	30' Gassy oder	0.00

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc.

Ref. No: 45371

Printed: 2011.12.07 @ 22:02:27



Brito Oil Co

23 15s 33w

Time Off Btm:

1700 N Waterfront Pkw y Bldg 300 Suite C

LPR, Inc #1-23 Job Ticket: 45372

DST#:5

ATTN: Derek Patterson

Test Start: 2011.12.08 @ 11:36:00

#### GENERAL INFORMATION:

Formation: Johnson

Total Depth:

Deviated: No Whipstock ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 13:42:30 Tester: Bradley Time Test Ended: 17:31:00 Unit No: Walter

4298.00 ft (KB) To 4373.00 ft (KB) (TVD) Interval:

Reference Bevations: 2766.00 ft (KB)

2011.12.08 @ 15:45:30

4373.00 ft (KB) (TVD) 2761.00 ft (OF) Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

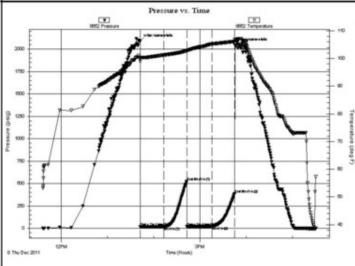
Serial #: 8652 Inside

Press@RunDepth: 24.79 psig @ 4299.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2011.12.08 End Date: 2011.12.08 Last Calib .: 2011.12.08 Start Time: End Time: 11:36:05 17:30:59 Time On Btm: 2011.12.08 @ 13:42:15

TEST COMMENT: IF: Surface blow.

ISI: No return. FF: Surfacew blow. FSI: No return.



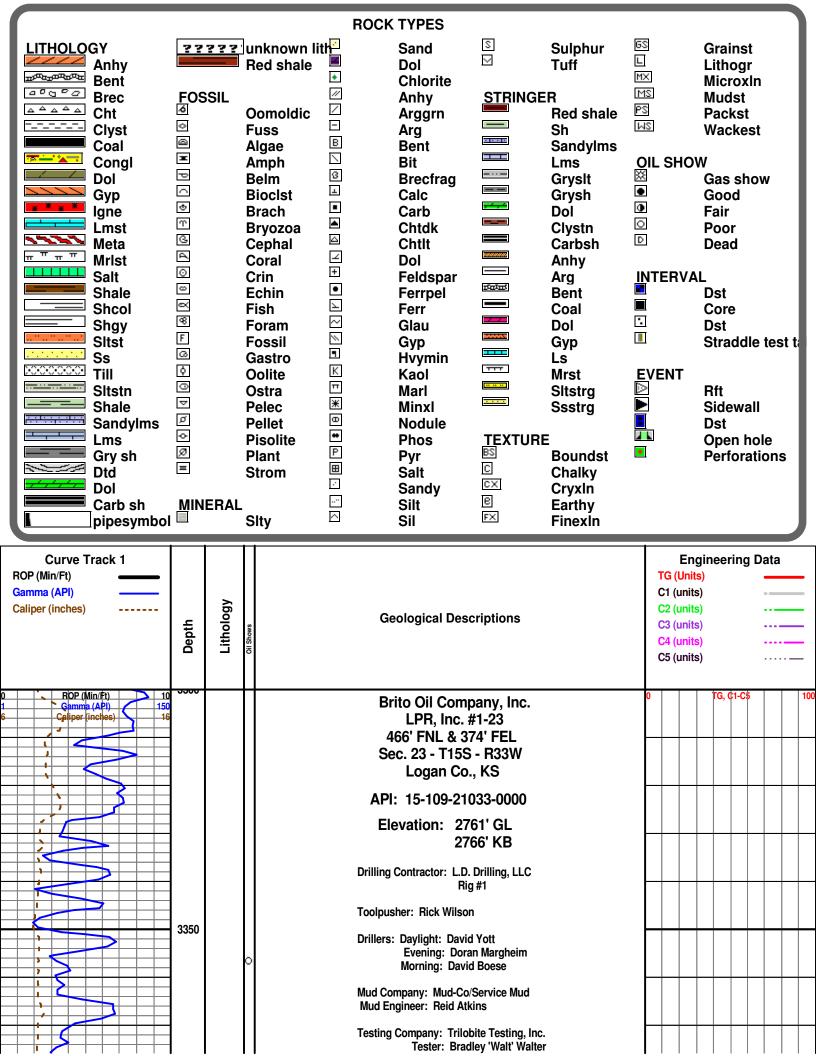
T	PRESSURE SUMMARY			
t	Time	Pressure	Temp	Annotation
١	(Min.)	(psig)	(deg F)	
ı	0	2087.05	99.89	Initial Hydro-static
ı	1	17.45	98.90	Open To Flow (1)
ı	31	19.22	101.25	Shut-In(1)
J	61	523.22	102.82	End Shut-In(1)
	61	19.57	102.61	Open To Flow (2)
ı	94	24.79	105.25	Shut-In(2)
	123	384.35	106.17	End Shut-In(2)
1	124	2044.99	106.98	Final Hydro-static
ı	Spanolis	(10000000000000000000000000000000000000	194000000000000000000000000000000000000	
ı				
ı				
١				
١				
ı				

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100m (oil spots)	0.05
Beenen from	<u> </u>	

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

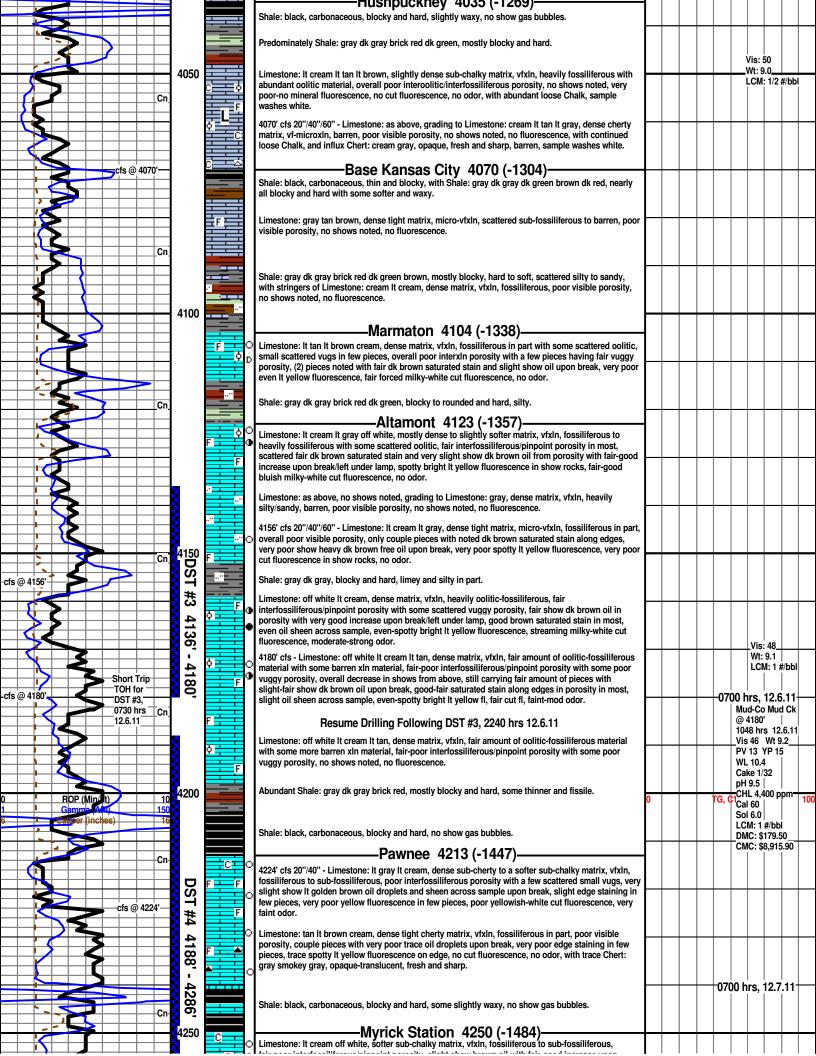
Ref. No: 45372 Printed: 2011.12.08 @ 18:04:51 Trilobite Testing, Inc.



	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ -									Logging Company: Log Tech Logging Engineer: Dan Martin							
	1		\$								Geologist: Derek W. Patterson							
Drill T	im	e ca	ugł	nt by	y ha	nd _					Displace Mud System @ 3389'							
from 3	340	0' to	R <sup>T</sup>	ΓD	n/Ft)		+	10	3400		Start 10' Wet & Dry Samples @ 3400'				1.00			
	7	- 1	Ghn	ımbı	(API)			150 16		F	Limestone: It gray gray, mostly dense matrix, micro-vfxln, fossiliferous to sub-fossiliferous, poor visible porosity, no shows noted, scattered poor It yellow mineral fluorescence.	U		G, ¢	1-00			10
			2					Cn										
5	X				_	1		GI			Shale: gray dk gray, blocky and hard, some limey.							
	3	X		\ <b>&gt;</b>						F	Limestone: gray It gray It cream some mottled, dense tight matrix, micro-vfxln, fossiliferous to sub-fossiliferous, scattered loose fossils in sample, poor visible porosity, no shows noted, no fluorescence, with interbedded Shale as above.							
	X			<b>*</b>					3450	F								
		}		<	<b>\frac{1}{5}</b>			Cn			Shale: gray dk gray, mostly blocky and hard.						_	_
	<b>*</b>	\$	#	1	+	+	+				Topeka 3463 (-697)					Vis:	8.8	
	*	1								¢ F	Limestone: cream It cream, dense matrix, micro-vfxln, fossiliferous with abundant oolitic, overall poor interfossiliferous porosity, no shows noted, very poor even dull pale yellow mineral fluorescence across majority of sample.  Geologist Derek W. Patterson on location, 2240 hrs 12.2.11					LCM	l: 2 #/	bbl
	Ė		*			<b>\$</b>		Cn			Limestone: cream It cream, dense matrix, grainy in part, fossiliferous with scattered oolitic, poor					+		
			< 	<b>≥</b>						0	interfossiliferous/interxln porosity, no shows noted, very poor even dull pale yellow mineral fluorescence.							
				<b>=</b>					3500		Shale: gray dk gray, mostly blocky and hard.  Limestone: cream lt gray, dense matrix, micro-vfxln, fossiliferous, overall poor interxln					+		
								Cn			porosity, no shows noted, scattered poor mineral fluorescence, with interbedded Shale: gray dk gray, mostly blocky and hard.					+		
	1 1	\{\}			}						Shale: gray dk gray, mostly blocky and hard, some limey.							
T T		<b>}</b>								Ė	Limestone: It cream It gray some mottled, dense matrix, vfxln, fossiliferous, poor interxln porosity, no shows noted, no fluorescence.					+		
<						>		Cn		F	Limestone: It gray It cream It brown, dense matrix, vf-fxln, fossiliferous, poor interxln porosity, no shows noted, little-no mineral fluorescence, with some interbedded Shale: gray dk gray, blocky and hard.							
	1				>	•			3550	F	Limestone: It cream It gray off white, dense sub-chalky matrix, vf-microxln, fossiliferous to							
	1		<b>{</b>							C C	sub-fossiliferous, overall poor visible porosity, no shows noted, no fluorescence, with a few scattered pieces of loose Chalk in sample.				.M.	I-Co I	Musel	
	1 1	<b>5</b>		\ \{\}				Cn		F	Shale: black, carbonaceous, blocky and hard, no show gas bubbles, with Shale: gray dk gray, blocky and hard.				@ 39 0420 Vis 9 PV 1	570' ) hrs 59 V 19 YI	12.3 Vt 8.8	.11
	3	3								F	Limestone: It tan It cream, dense matrix, vf-microxln, fossiliferous in part, poor visible porosity, no shows noted, no fluorescence.				WL ( Cake pH 1	6.4 e 1/32 l1.0 . 3,20	2	n
		1	+	1	+						Predominately Shale: gray dk gray, blocky and hard, with scattered Limestone as above.				Sol 4		/bbl	

		Limestone: off white It cream It gray, dense matrix, vf-microxln, fossiliferous to heavily fossiliferous						18.55 ,971.8	
0 ROP (Min/Ft) 10 1 Gamma (API) 150	3600	with abundant oolitic material, fair-poor interxln porosity, no shows noted, very poor mineral fluorescence.	0		TG, (	C1-C	_	,5,, 1.0	10
6 Caliner (inches) 150	F								
Cn		Shale: gray dk gray brick red brown, dense and blocky, mostly hard, some silty in part.	$\vdash$	++			Н		+
			Ш						
	F							Ţ	
		Shale: black, carbonaceous, mostly blocky and hard, no show gas bubbles.							
	<u>-</u>		$\vdash$	++	07	/ // h	re '	12.3.	11
	Ŷ	Limestone: off white It cream It gray, dense matrix, vf-microxln, fossiliferous to heavily fossiliferous with abundant oolitic material, poor interxln porosity in most with some fair interfossiliferous porosity,			"		3, 	. Z.J.	
		no shows noted, very poor mineral fluorescence, with interbedded Shale; gray dk gray, blocky and hard.	dash	++-	1	_	Н	4	+
Cn		naru.							
	2650	Limestens II are made at white It was a decreased about a sub-state at the state of							
	3650 F	Limestone: It cream off white It gray, dense sub-chalky to sub-cherty matrix, micro-vfxln, fossiliferous to barren lithographic non-descript, overall poor interxln porosity, no shows noted, no fluorescence.							
		Limestone: It cream off white It gray, dense matrix, vf-fxln, grainy in part, fossiliferous to	$\vdash$	++	<del>                                     </del>		Н	+	+
	F	sub-fossiliferous, scattered fair interxIn/pinpoint porosity, no shows noted, no fluorescence.							
			Щ	$\perp \perp$			Ц		
		Chales was all was weath, block and book							
Cn		Shale: gray dk gray, mostly blocky and hard.							
		Limestone: It cream off white It gray, dense matrix, vf-microxin, grainy in part, fossiliferous to	$\vdash$	++			Н	$\dashv$	+
	F	sub-fossiliferous, scattered fair interxln/pinpoint porosity, no shows noted, no fluorescence.							
		Heebner 3688 (-922)  Shale: black, carbonaceous, blocky and hard with some softer and waxy, no show gas bubbles.	$\vdash$	+	-	_	Н	-	+
		The state of the s							
	3700		Ш						
	3100	Shale: gray dk gray brick red dk green pale green, blocky to rounded, hard to soft.							
Cn-		Toronto 3707 (-941)							
		, ,	$\vdash$	++	+	_	Н	$\dashv$	+
	- V	Limestone: off white It cream, dense cherty to slightly softer chalky matrix, vfxln, fossiliferous with some sub-oolitic in part, poor visible porosity, no shows noted, even dull pale yellowish-white mineral							
		fluorescence, with some scattered Chert: cream It cream, opaque, fresh and sharp, barren.	$\vdash$	+	_	_	Щ	4	_
	≏ <b>≡</b> F								
		Shale: gray dk gray pale green, blocky to rounded, hard to soft.							
			$\sqcap$				П	$\dashv$	$\neg$
	F	Lansing 3735 (-969)							
Cn	C +	Limestone: off white It cream, dense slightly chalky matrix, vfxln, fossiliferous with some oolitic, overall poor visible porosity, no shows noted, even dull pale yellow-white mineral fluorescence, with	$\vdash$	++	+		Н	$\dashv$	+
	A	scattered loose Chalk in sample.							
	3750	Limestone: as above, pieces becoming denser and slightly cherty, no shows noted, even dull pale	Щ				Ш		
	F	yellow-white mineral fluorescence, with continued loose Chalk.							
3									
		Shale: gray dk gray dk red dk brown, blocky to rounded, mostly hard.	$\vdash$	++			Vis:	53 9.0	+
		3780' cfs 20" - Limestone: off white It cream It brown, dense sub-cherty matrix, vfxIn, fossiliferous						9.0   /1: 2 #/	bbl
Cn.	FΞΔφ	oolitic, overall poor interoolitic porosity, no shows noted, even dull pale yellow mineral fluorescence, with scattered Chert: cream tan off white, opaque-translucent, fresh and sharp, fossiliferous in part.	$\vdash$	++	<u> </u>		Н	+	+
	B	3780' cfs 40"/60" - Limestone: cream It brown, dense sub-cherty matrix, vfxIn, fossiliferous with some							
cfs @ 3780'—	φ F	olitic to sub-oolitic, poor visible porosity, no shows noted, even dull pale yellow mineral fluorescence, no cut fluorescence, with Chert as above.	Ш						
CIS (# 3700 —		Shale: gray dk gray, blocky and hard, fissile in part.						$\top$	
		Limestone: It cream It tan off white, dense sub-cherty to sub-chalky matrix, vfxln, scattered							
<b>3</b>		sub-fossiliferous to barren, poor visible porosity, no shows noted, even dull pale yellow mineral fluorescence, with scattered Chert: cream It tan It gray, opaque to translucent, fresh and sharp, mostly	$\vdash$	++	+		Н	+	+
		barren.							
DOD (Autority)	3800	Limestone: It cream off white It tan, dense sub-cherty to sub-chalky matrix, vf-microxln, mostly barren with some scattered sub-fossiliferous, fair amount 2ndary xln along edges, some imbedded calcite		$\perp \perp$	10	04.5	Ц		<del> </del>
1 Gamma (API)	DST	crystals, poor visible porosity, no shows noted, even dull pale yellow mineral fluorescence, with	υ		IG, (	01-C			10
6 (aliper (inches) 16		continued Chert as above, and few pieces of loose Chalk in sample.							
	#	Shale: gray dk gray, blocky and hard.	$\sqcap$	$\top$			П		$\top$
	ω ====	2004' of 20"/40"/CO". Limostona: It aroum It arous donos alightly shallos matrix of fuln with some					Vis	53	

			1	5	Sho	rt Tri	p			806'		microxin, fossiliferous, small-med scattered vugs, fair-good pinpoint/vuggy porosity in those with					Wt: 9	.0   2 #/bb	
	1				–Stra	ip Ou DST #	it $+$		4		E	shows, poor-fair show heavy dk brown oil from porosity with fair-good increase upon break/left under lamp, fair sat stain in most, even bright It yellow fluorescence, good forced milky-white cut	$\vdash$		1	<del>   </del>		$\neg$	
cfs @	38	24'			-	0 hrs	. , ,	.11	╡	3824	F	fluorescence, faint-no odor.  Resume Drilling Following DST #1, 1055 hrs 12.4.11			07		- 1	2.4.11	
		4	₹		$\rightarrow$	$\downarrow$	$\pm$		╛	24		Shale: gray dk gray brick red, mostly blocky and hard, sample washes reddish-brown.					1-C0 IV 824'_	lud Ck	
	1	_			7	7	+	+	Cn	•							5 hrs 51 W	12.4.11 + 9 0	
$\dashv$	A		7		-	$\perp$	$\mp$	$\exists$			r i	Limestone: It cream off white It tan, dense tight matrix, micro-vfxln, sub-fossiliferous to barren, poor				PV ·	14 YP		
	3			<b>3</b>	#	$\Rightarrow$	#		4		F	visible porosity, no shows noted, very poor dull yellowish-white mineral fluorescence.	$\perp$				6.4   e 1/32	_	Ш
	_1				$\pm$	$\pm$	$\pm$				F						11.0	   ppm	
			$\geq$			$\pm$	$\pm$	$\pm$								Cal	40		
					7	+	+	+	$\dashv$	3850		Shale: gray dk gray, mostly blocky and hard.	$\vdash$		+	Sol	4.9 <u> </u> 1: 2 #/I	obl	$\vdash$
7	4	=	$\blacksquare$	$\exists$	4	+	$\mp$	$\dashv$				Limestone: It cream off white tan, dense matrix, micro-vfxln, oolitic, heavily oomoldic with small-large				DM	C: \$18	4.00	
<b>1</b>	Ų				_	$\perp$	#	7	_		φ±	molds, fair amount of 2ndary xln within porosity, good oomoldic porosity in most, no shows noted,				CIVIC	ر عود :ر 	55.80	
4	1					$\perp$	$\Rightarrow$		╡			poor dull pale yellowish-white mineral fluorescence, no cut fluorescence, with scattered Chert: white cream, opaque to translucent, fresh and sharp, sub-fossiliferous in part.				П			$\vdash$
			2			$\pm$	$\pm$		Cn										
	7	₹	$\dashv$	$\dashv$	+	+	+	$\dashv$	$\dashv$										
$\dashv$	<del>-</del>	$\exists$	H	$\dashv$	$\dashv$	$\mp$	$\mp$	$\dashv$	=		8	Limestone: cream It gray, dense tight slightly cherty matrix, micro-vfxln, fossiliferous in part, few							
	ď		2		7	1	$\mp$	$\dashv$				sub-oomoldic pieces, overall poor visible porosity with some fair-poor oomoldic porosity, no shows noted, even poor dull pale yellow mineral fluorescence.							
		Ţ	2			$\pm$	$\downarrow$						$\sqcup$						Ш
$\Rightarrow$	/	$\preceq$		$\exists$	$\Rightarrow$	$\downarrow$	$\pm$	$\Rightarrow$									Vis: 40		
$\perp$		7	J		$\pm$		$\pm$	$\pm$			F						Wt: 9.	l   1.5 #/bl	 bl
	_[		4		Ŧ	F	-	-	$\dashv$			Limestone: cream It gray gray, dense tight matrix, vfxln, fossiliferous in part, some scattered poor 2ndary xln along edges, poor visible porosity, no shows noted, even poor dull pale yellow mineral	$\vdash\vdash$	+	-	Н	+	+	$\vdash$
$\dashv$	7			3		*	7	$\dashv$	=		_ ==	fluorescence, with influx interbedded Shale: gray dk gray brick red, mostly blocky and hard, some fissile.							
		4				#			Cn										
					$\dashv$	+	-	=		3900		Muncie Creek 3899 (-1133)  Shale: black, carbonaceous, thin fissile, blocky and mostly hard, no show gas bubbles.	$\vdash$			Н	$\top$	+	Н
$\pm$				$\exists$	$\pm$	$\pm$	$\pm$	$\exists$											
$\pm$	_			$\geq$	$\Rightarrow$		$\pm$	$\pm$				Shale: gray dk gray, blocky to rounded, mostly hard with some scattered softer.							
$-\Gamma$	₫			$\dashv$	Ŧ	Ŧ	Ŧ	$\mp$	$\dashv$		c								
			3	-	$\dashv$	$\dashv$	$\mp$	7	=			Limestone: It cream It gray It brown, dense matrix, vfxIn, chalky in part, sub-fossiliferous to barren, poor visible porosity, no shows noted, very poor-no mineral fluorescence.							
	₹				_	$\mp$	#		_			,	$\vdash$						Ш
	1			1	#	$\pm$	$^{\pm}$	$\exists$	⇉		<b>='</b>  =	Limestone: tan It brown brown, dense tight matrix, vf-microxln, mostly barren, scattered poor 2ndary							
	(				$\pm$	$\pm$	$\pm$	$\exists$				xln along edges in few pieces, overall poor visible porosity, no shows noted, no fluorescence, with scattered Chert: gray It gray white, translucent, fresh and sharp, barren.							
							_	$\perp$	Cn	DST		3 - 7 - 3 - 7	$\vdash$	++		Н	+	+	$\vdash$
$-\Gamma$	4	1	4		$\overline{}$	Ŧ	1		-1	Т #2		Limestone: tan cream It cream It gray, dense tight matrix, vf-microxIn, mostly barren, scattered poor							
$\dashv$	$\dashv$	Ţ	7	J	Ų	$\mp$	7	$\dashv$	-			2ndary xln along edges in few pieces, overall poor visible porosity, no shows noted, no fluorescence, with interbedded Shale: gray dk gray, blocky and hard.							
$\dashv$			7		4	+	1	1	-	3924'	F		$\sqcap$			П	$\top$		
$\Rightarrow$	1			4	<b>3</b>	$\downarrow$	$^{+}$	#	_	24'		3960' cfs 0"/20"/40" - Limestone: off white It cream It gray, dense matrix, vfxln, sub-chalky to							
$\Rightarrow$	2			d	#	+	#	1	_			sub-cherty, fossiliferous-heavily fossiliferous with fair amount of oolitic material, small scattered vugs, fair interoolitic/vuggy porosity in most, good oily sheen across sample, fair-good show heavy	$\sqcup \!\!\!\!\!\perp$	$\sqcup$		<u> </u>	 /is: 52	$\perp$	$\sqcup$
Η.	1	7	$ \Box $	$\exists$	$\pm$	$\pm$	$\pm$	$\pm$		3960'	ř P	dk brown tarry oil from porosity with good increase upon break, fair saturated stain in most, spotty bright It yellow fluorescence, streaming milky-white cut fluorescence, fair-moderate odor.				١ ١	Vt: 9.0		7 
$\vdash$	$\exists$		2			۷	$\pm$		_	0		wasaa a yonon muorosoonoo, sucaming miiky-miile out muoresoenoe, idh-iliouetate ouot.					-SWI. 1	.5 #/DL	j l
cfs @ 3960'						or DS			Cn			Resume Drilling Following DST #2, 1005 hrs 12.5.11	$\vdash \vdash$	+	+070			2.5.11	
	4		$\neg$			rs 12			=			Limestone: It cream cream It tan, dense matrix, vfxln, heavily oomoldic with scattered oolitic, good					d-Co N 960'	lud Ck	
4	1	5	$\dashv$	7	$\dashv$	$\dashv$	$\mp$	$\dashv$	=			oomoldic porosity in most, slight oily sheen across sample, only few pieces with poor-fair show dk brown oil saturation in porosity, poor live show noted in these pieces, even bright It yellow-green				034		12.5.11 + 0 1	
			$\dashv$	7	$\dashv$	$\mp$	$\mp$	1	=		•	fluorescence, very poor cut fluorescence, faint odor.				PV	12 YF		
7	Š		$\Rightarrow$	$\dashv$	$\Rightarrow$	$\downarrow$	$\pm$	$\Rightarrow$	=		J						7.2   e 1/32		
	Į,		$\exists$		$\perp$	$\downarrow$	$\pm$	$\dashv$			•	Limestone: It cream It tan, dense matrix, vf-microxln, sub-fossiliferous to barren, few pieces with poor oomoldic development, overall poor visible porosity, no shows noted, no fluorescence.	oxdot			pН	10.5	 ) ppm=	$\sqcup$
$\pm$		5		$\exists$	$\pm$	$\pm$	$\pm$	$\exists$			6 F =					Cal	80	, ppiii	
		$\leq$					$\perp$		$\exists$			Limestone: It cream It tan, dense matrix, vf-microxln, mostly barren, poor visible porosity, no shows				LCI	5.4   /I: 1 #/		
			J	4	7	7	7	4				noted, no fluorescence. ——Stark 3991 (-1225)———————————————————————————————————	$\vdash\vdash$	++	-		C: \$58 C: \$8.	0.60 <u></u> 736.40	$\vdash$
$\dashv$	=					+	+		UN-			Shale: black dk gray, carbonaceous, blocky, hard to softer and waxy, no show gas bubbles, grading to							
$\perp$	٦,		₹		$\Rightarrow$		$\downarrow$	#	=			Shale: gray dk gray, blocky and hard.							
0	1		A		lin/Ft		$\downarrow$	1	10	4000	+ + +		0		TG, C	:1-C	+		100
6			Gali		(API inche	,	$\pm$	#	150 16		C	Limestone even It ton mostly dense sub-shallor matrix utility sub-facility sub-facility sub-facility							
	_	Ş				-/	$\pm$					Limestone: cream It tan, mostly dense sub-chalky matrix, vfxln, sub-fossiliferous in part to mostly barren, poor visible porosity, no shows noted, no fluorescence, with fair amount of loose Chalk,							
$\overline{}$	7	7		$\dashv$	$\dashv$	$\perp$	$\mp$	$\dashv$	$\neg$		F	sample washes whitish-gray.							
$\dashv$	Ų	-	₹	#	$\mp$	$\mp$	#	#			K								
$\Rightarrow$		abla	U	$\dashv$	$\Rightarrow$	$\downarrow$	$\downarrow$	$\dashv$	=				$\sqcup$			Ш	_	_	Ш
$\Rightarrow$			1		$\pm$	$\pm$	$\pm$	$\rightrightarrows$	Cn			4030' cfs 20"/40" - Limestone: It cream off white, mostly dense sub-chalky matrix, vfxln, mostly barren							
		5	≾				$\pm$		511		C:	with some scattered sub-fossiliferous, poor visible porosity, no shows noted, no fluorescence, with continued loose Chalk, sample washes whitish-gray.							
1	₹	A	1	$\exists$	$\top$	—cfs	s @ 4	4030	-				$\vdash\vdash$	++		Н	+	+	$\vdash$
					#	#	#	4			<b>∓</b> c‡∓	Healmooleane 4005 / 4000\	<u>                                     </u>	<u> </u>		<u> </u>	_	_	
				_												_			



												b	rair-poor interrossimerous/pinpoint porosity, slight show brown oil with rair-good increase upon break, even saturated stain, spotty bright It yellow fluorescence, forced bluish-white cut fluorescence, very faint odor.									
	ı	3											Shale: black, carbonaceous, blocky and hard, slight show gas bubbles upon break.	П	$\top$	$\top$	T				Н	
				3			cfs @	D 426	66'—		φF	ol⊿	Fort Scott 4264 (-1498)— 4266' cfs 40"/60" - Limestone: tan It brown, dense matrix, vixin, heavily oolitic, scattered small-med	1					id-Co 4266	Muc	Ck	
	_										V T T	<b>▼</b>  s	saturation vugs, poor with trace fair intercolitic/vuggy porosity, oily sheen across sample, poor-fair	Ц	4		╙	100	00 hr	s 12		
		7									===		show dk brown oil from porosity with fair-good increase upon break, even dk brown interoolitic saturated stain in most, spotty bright It yellow fluorescence, forced-streaming bluish-white cut							Wt 9 YP 13		
$\dashv$	4	$\dashv$	$\dashv$		2			$\vdash$	0		o e		fluorescence, strong odor.						_ 10.4 ke 2/			
	V	$\exists$			$\geq$				Cn		F		4286' cfs 20"/40"/60" - Limestone: tan brown gray, dense cherty matrix, slightly fossiliferous to barren, overall poor visible porosity, few pieces with slight show and saturated stain as above (may be from	$\vdash$	+	+	-	⊥pH	10.0	Ļ.	Н	
	_,			5	J								uphole), only noted fluorescence is in few pieces with show, fair cut in show rocks, very faint-no odor.						IL 6,4 I 80	100 p	pm	
	t	<			_T(			4286' ST #4				Ш	Resume Drilling Following DST #4, 0030 hrs 12.8.11						15.4			
		-	4					2.7.11				۱ŀ	Cherokee 4290 (-1524)  Shale: black, carbonaceous, blocky and hard with some slightly softer and waxy, no show gas	$\vdash$	+	+	+			#/bb 839.9		
	7												Shale: black, carbonaceous, blocky and hard with some slightly softer and waxy, no show gas bubbles.					CN	/C: \$	9,755	5.85	
			5							_	F C	$\sim$	Limestone: cream It cream It gray some mottled, dense slightly chalky in part matrix, vfxln, scattered									
					>					4300			sub-fossiliferous to barren, poor visible porosity, very slight oil sheen across sample, few pieces with very slight show It brown oil droplets upon break, poor dull yellow fluorescence, very poor-no cut	$\vdash$	+	_					Н	
		4		$\dashv$	$\dashv$						==		fluorescence, no odor, with interbedded Shale: gray dk gray, blocky and hard.									
	Ţ	2										Ш										
									Cn			Ц,	Shale: black, carbonaceous, blocky and hard, no show gas bubbles.	H							Н	
												۱۱۶	onale. Diack, calbonaceous, blocky and naid, no snow gas bubbles.									
$\dashv$		$\dashv$		3							F		NITEDDEDDED Limestone it was the same and done and the same and the sa									
			1							DS	F		NTERBEDDED - Limestone: It gray It cream gray, dense matrix, vf-microxln, fossiliferous to barren, poor visible porosity, no shows noted, no fluorescence, with Shale: black, carbonaceous, blocky and	$\Box$							П	
			<	₫						-			hard, no show gas bubbles.									
		_	_		$\geq$			$\perp$		#5	F	Ц,	Limestone: as above, grading to Shale: gray dk gray, blocky and hard.									
$\neg$	8	$\neg$	$\dashv$		7			5				'										
$\Box$										4298		ָן,	Johnson Zone 4334 (-1568)  Limestone: cream It brown brown, dense cherty matrix, vf-microxln, scattered slightly fossiliferous to	1								
	#	#	$\Box$		Z					ω,	F	ĭa n	mostly barren, scattered small solution vugs, poor interxln with some poor-fair vuggy porosity,	Щ							Ш	
		_	7			_		$\vdash$	_Cn_				scattered brown free oil droplets in tray, poor-fair show free oil from porosity with fair-good increase upon break in few pieces, fair-good brown saturated stain, spotty It yellow fluorescence, streaming									
$\dashv$	7			9	2					4373			milky-white cut fluorescence, faint-moderate odor.									
			2							ယ္ 4350	F	ျ	Limestone: It cream It gray, dense matrix, vfxln, sub-fossiliferous to barren, overall poor visible	$\sqcup$		_	_				Щ	
-Incr	ese •	ا ۾				2						l p	porosity, few pieces with poor brown saturated stain along edges, very poor show brown oil from									
WO		_		4							F C'		those with staining, overall decrease in show from above, spotty-no fluorescence, poor cut in those with shows, faint-no odor.				07	'00 h	ırs,	12.8	.11	
Ť	7			Z									(4354'-4366') Limestone: off white It cream It gray mottled, dense matrix, vf-fxln, some slightly chalky,	$\vdash$	-	+	-				Н	
	_	#		3									fossiliferous, poor interxIn porosity, few pieces noted with poor edge staining and very poor show brown oil upon break, spotty-no fluorescence, poor cut in those with shows, faint-no odor, with							: 48		
				5		)Η f	Or Do	 ST #5					scattered loose Chalk, and influx Chert: tan brown amber, fresh and sharp.							: 9.0 M: 2	 #/bbl	
			4	$\subseteq$				2.8.1			C F	$     _{\lambda}$	4373' cfs 20"/40"/60" - Limestone: as above, no shows noted, no odor, with continued loose Chalk and	$\vdash$	+	+	+	NA:	'	Mu	-	
cfs @	<b>43</b>	73'	$\neg$						Cn				Chert.					@	4373	<b>'</b>		
$\dashv$	_	_	-	◁		7					F C		Resume Drilling Following DST #5, 2000 hrs 12.8.11							's 12 Wt9		
	ı			₹		_								$\vdash$	+	+	+	†р∨	17	YP 1		
	t			1									Sandstone: clear silica grains in white-It gray dense calcareous matrix, f-vf grained, sub-angular to sub-rounded, well sorted and cemented, slightly glauconitic, poor intergranular porosity, no shows					Ca	L 7.2 ike 1	32		
$\dashv$			7		$\exists$				$\Box$		~		noted, no fluorescence, no cut fluorescence.						1 10.5	5 400 p	 nm	
$\dashv$	-		-	Ş		_						s	Shale: pale green It gray gray, blocky to rounded, softer, sandy.	$\Box$	$\neg$			Ca	ıl 40	Ι.	["]	
	7						>		$\Box$										ol 4.5 CM: 2	 :#/bb		
		4								4400	P ~		1405' cfs 20"/40" - INTERBEDDED - Sandstone: It gray pale green dense siliceous matrix, very blocky,					DI	ИC: 9	1,718	3.55	
			E.	<b>P</b> (1	/lin/F	t)			16	<del>-10</del> 0	.==:		vf grained, very well cemented, glauconitic and micaceous, some slightly pyritic, no visible porosity, no shows noted, no fluorescence, no cut fluorescence, with Shale: pale green It gray gray, blocky to	0			TG,	¢1ºŮ	и <b>с:</b> \$	11,4	74.40	100
cfs @	9 44(	05'	Call	per (	inch	es)	<		Cn		~::::		rounded, softer, sandy.						\\	 s: 51		
$\dashv$				$\supset$		•					F	٦١	Shale: black, carbonaceous, blocky and hard, no show gas bubbles.	Ц		$\perp$			⊥Wı	: 9.0		
$\exists$						_						$\ \cdot\ ^{s}$	onaic. Mack, Calbullaceous, Mocky and Hard, No Show gas bubbles.						LC	M: 1	#/bbl	
$\dashv$		-		$\leq$					$\Box$													
_	j	_	1	$\leq$		_			$\Box$			s	Shale: pale green It gray gray, blocky to rounded, hard to soft, sandy, pyritic in part.	$\vdash$	_	$\perp$	_				Ш	
#			لـ			_						$\  \ _{_{-}}$	Doubles and the second and the secon									
	4			5							:::::::::::::::::::::::::::::::::::::::		Sandstone: gray It gray dense siliceous matrix, very blocky, vf grained, very well cemented, glauconitic and micaceous in part, no visible porosity, no shows noted.									
	4	$\rightarrow$	4		$\exists$	_		1	$\Box$		· · · · · · · · · · · · · · · · · · ·	ΙĽ	Mississippian 4430 (-1664)	$\vdash$	+	+	+		-		Н	
$\Rightarrow$		$\Box$			l				$\Box$			Ц,	Limestone: cream It gray, dense tight matrix, micro-vfxln, heavily arenaceous, no visible porosity, no									
$\Rightarrow$		2			_	_			Cn			s	shows noted, no fluorescence, with scattered Sandstone: gray It gray dense siliceous matrix, very									
_		4	7			_			$\vdash$		:: <del>: : : :</del>		blocky, vf grained, very well cemented, glauconitic and micaceous in part, no visible porosity, no shows noted.	$\vdash$	+	+	+	+	$\vdash$		Н	-
$\dashv$		4	H	$\dashv$	$\dashv$																	
	1								$\Box$				Limestone: It cream It gray, dense tight matrix, vfxln, heavily arenaceous, no visible porosity, no shows noted, no fluorescence, with continued scattered Sandstone, and influx loose Chalk, sample									
+	_	S							$\Box$	4450	<del></del>	V	washes It gray, grading to Limestone: It cream cream It gray tan, dense matrix, vfxln, scattered chalky,	$\vdash$	+	+	$\vdash$	+			Н	$\exists$
$\dashv$	1		⋛	$\dashv$	$\dashv$		$\vdash$	-	$\vdash$			۱l°	occasional sand inclusion, barren, poor interxln porosity, no shows noted, no fluorescence.									
$\dashv$	1	$\exists$	>																			
#	7	7	\$						$\Box$			Ц,	Limestone: It cream cream It gray tan, dense matrix, vfxln, scattered chalky, occasional sand	$\vdash$	+	+	T		T		Н	
	_	J										iı	inclusion, barren, poor interxin porosity, no shows noted, no fluorescence, with scattered loose									
$\dashv$		4	-		$\exists$	_	F	-	Cn			Π	Chalk, sample washes It gray.									
	1			>					$\Box$		Ċ			$\Box$		$\top$					П	
- 1	al.	4		_			I	1				1 1		1	- 1	- 1	I	1	I	1	<u> </u>	

								4550		Geologist Derek W. Patterson off location, 1545 hrs 12.9.11  Respectfully Submitted, Derek W. Patterson	DMC: \$0.00 CMC: \$11,474.40
										Commence Open Hole Logging Operations, 1045 hrs 12.9.11 Complete Open Hole Logging Operations, 1500 hrs 12.9.11 Orders Received to Run 5 1/2" Production Casing	PH 10.0    CHL 5,000 ppm   Cal 80     Sol 5.9     LCM: 2 #/bbl
										Rotary TD @ 4510', 0645 hrs 12.9.11 Log Tech Open Hole Logging TD @ 4509'	Vis 52 Wt 9.2  PV 16 YP 15  WL 8.8    Cake 1/32
TOH	i		ging, 08	330 I	hrs 12.	9.11				RTD 4510 (-1744) LTD 4509 (-1743)	0700 hrs, 12.9.11   Mud-Co Mud Ck  @ 4510'     0835 hrs 12.9.11
ata (	2.45	:40!	<b>~</b>	<b>&gt;</b>			-Cn	4500	o o	4510' cfs 30"/60" - Limestone: It cream tan It gray, dense slightly chalky matrix, vf-fxln, oolitic in part, poor-fair interxln/interoolitic porosity in most, no shows noted, no fluorescence, with loose Chalk, sample washes It gray-white.	Vis: 50- Wt: 9.0 LCM: 2 #/bbl
	, , , ,			<b>&gt; &gt; &gt; &gt; &gt; &gt; &gt; &gt; &gt; &gt;</b>					\$ 	Limestone: off white It cream It gray, dense to softer matrix, vf-fxln, chalky to cherty, occasional sand inclusion, barren, poor interxln porosity, no shows noted, no fluorescence, with loose Chalk, sample washes It gray.	
			}	<b>&gt;</b>						Limestone: It cream cream It gray tan, dense matrix, vf-fxln, scattered chalky to cherty, occasional sand inclusion, barren, poor interxln porosity, no shows noted, no fluorescence, with continued loose Chalk, sample washes gray.	

# ALLIED CEMENTING CO., LLC. 035288 Federal Tax I.D.# 20-5975804

REMITTO P.O. BÓX 31 RUSSELL, KANSAS 67665

SERVICE POINT:

,			ORAL	<del>/</del>
DATE 25 ZS	ALLED OUT	ON LOCATION	JOB START	JOB FINISH
LARR INC WELL# 1- LOCATION DOGLE	KG 230.	a. 3/15	COUNTY LOGG	STATE_
OLD OR NEW (Circle one) Winto	<u> </u>	5 2 3/2-	120301	177
		_ <del></del>	٦	
CONTRACTOR L D	OWNER .	same		
TYPE OF JOB SURFACE				
HOLE SIZE 12/4 T.D. 266	CEMENT			•
CASING SIZE 898 DEPTH 263'	AMOUNT OR	DERED 125	.3 K3 .CC	<u> کمبر</u>
TUBING SIZE DEPTH	3%CC.	2%gec		
DRILL PIPE. DEPTH	*	<del></del>		•
TOOL DEPTH PRES. MAX: MINIMUM		1000.60	. 11 25	~ C100 ~
147.0.17.0	COMMON_/	دعری در	<u>.@/6/22</u>	<u>2887,50</u>
MEAS. LINE SHOE JOINT CEMENT LEFT IN CSG. 15"	POZMIX	5 5/05	_@_ <del></del> _	`
PERFS.		3 5/5	_@ <i>2/,25</i>	
DISPLACEMENT 15,29 BBL	CHLORIDE <u>-</u> ASC_	<u> </u>		- <u>349,20</u>
	ASC	·		
EQUIPMENT				
DUL DOWN CONTROL OF THE PROPERTY OF THE PROPER				
PUMPTRUCK CEMENTER Judges		<del></del>		
HELPER SETTY	<del></del>	······································		-
BULK TRUCK				
# 404 DRIVER Ethan	-		~	
BULK TRUCK # DRIVER				
# DRIVER	HANDLING	184545	@ 2125	414,00
	MILEAGE 7	1456/mile	2	607,00
Cement Did circulate	-	SERVI	CE	
	DEPTH OF JO		<u> </u>	· ·
	PUMPTRUCE			1125,00
	EXTRA FOOT		@	
	MILEAGE 3		_@ <u> </u>	210,00
thoule see	MANIFOLD -	head	_@	200,00
thank god	Cight V	rencere.	@ <u>400</u>	120,00
CHARGETO: Brito Dil company		<del></del>	_@	-
CHARGE TO: STOTO DIL COMPANY				· · · · · · · · · · · · · · · · · · ·
STREET			TOTAL	1655,00
CITYSTATEZIP		PLUG & FLOAT	r equipmen	T
w .			_@	
•		•		
To Allied Cementing Co., LLC.			@	
You are hereby requested to rent cementing equipment				
and furnish cementer and helper(s) to assist owner or	<del> </del>		@	
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 CHAR			• ,
PRINTED NAME				
	DISCOUNT		112 071	D IN 10 D AVO
NIGNATURE ALL I	, DISCOUNT_		IF PAI	D-IN 30 DAY

# C.

### CONSOLIDATED OF WAS SERVICED LLC



TICKET NUMBER_	<u>33</u> 757
LOCATION	Klay Ks

PO Box 884, Chanute, KS 66720 820-431-9210 or 800-467-8676

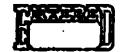
		•	rop
IELD	TICKET	& TREATME	NT REPORT

	01 000-107-0070		CEMEN	T			
DATE	CUSTOMER#	WELL NAME & NUM	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
CUSTOMER	5659	PR-1-93		23	15	33	1
M.	Il Del Co		Oakley				
MAILING ADDR	ESS 6		23-5	TRUCK#	DRIVER	TRUCK#	DRIVER
			5W	<u> 399 -</u>		the mil	as Skaul
CITY	STATE	ZIP CODE	45	566 -	Berck C	G55	
JOB TYPE P	MOLESI	- 000	J				
CASING DEPTH	11		_ HOLE DEPTH	45091	CASING SIZE & V	EIGHT_5/	2 14th
BLURRY WEIGH			_TUBING			OTHER	
DISPLACEMEN	100 14 1		WATER gal/si	<u></u>	CEMENT LEFT In	CASING 1/	*
	a Fet Wart	EMENT PSI	MIX PS[		RATE_ & BO	<i>p</i> r	
100		5 - K15 - F	an 1-D s	the run	Elect Tour	and (	Parta.
4 44	a. <i>10</i> 11 a	-13-15-17-19		* College a	a Jo Beech	stan 55	-210
120. 1		they I ke	spect 5	BBC KCL	, 1000 cal	Flo-Cho	F4.5-
BIX KC	~	5/5 10 RH,					
- INIXIEC	0 190 sks 5%		4,2%(0)		1-115 Clar	c Person	Lune
-7eicesc	Plus + Displace	a 40 BBC W		out, Bung	of JOBBL	My D & 4	19 BIX
W 5 90	2 800 - Land	bel Plus 2	1300#	, released	A		doll
			·		Thank	You	
ACCOUNT	Ollower .				Walte	cre.	
CODE	QUANITY or UNITS	DE	SCRIPTION of S	ERVICES or PRO	DUCT	UNIT PRICE	TOTAL
5401C		PUMP CHARG					
5406	25	MILEAGE				2822	28200
1124	220 sk	81/-				.5∞	12500

	ACCOUNT	Ollowers to the same	WG	It & Cred	
	CODE	QUANITY or UNITS	DESCRIPTION of SERVICES OF PRODUCT	UNIT PRICE	TOTAL
	5401C		PUMP CHARGE	2820	0000
	5406	25	MILEAGE	500	2880
	1124	220 sks	5450 900	1253	12500
	IIIBB	374#	Boutouto		2,2560
Ŋ	1111	1050#	Salf	124	89.76 441.60
	1102	240#	Colours Olla-0	142	441=
ļ	1444	200#	Sochum Matraite	184	20160
ŀ	1215 -	cel	· KC/ ·	2,26	4520
L	5407	9,34		3520	95-20
L	4203	1	Tou Miloso Delivery	158	41000
	4177	<del></del>	5/2- buido Shac	193.00	19300
	4136	1.5	56- Floor Calles	44/00	44100
	HIAU	1	5/2 Turbalizers	7200	10800
L	429- T	<del> </del>	5/2 Port Callor 5/2 Port Callor	27609	27600
	4406		5h R. 1/a DI	20750	2,07500
L	1135A	47#	Rither Plan	8800	89 00
L		Υ	CF1-115	995	4675
L			<u> </u>		11.98231
L			246 436 Less 10% Des	-119823	10.784 68
Hen	n 3737	ai .	# 1	SALES TAX	603.52
AI	JTHORIZTION_	When I in		ESTIMATED TOTAL	1/387,60
~	THORIZINON	1. 4. 1	TITLE MDC	OLAL L	173,400

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

# CONSOLIDATED OF WAS SERVICE LLS



TICKET NUMB	ER 33759	
LOCATION	Oaklanks	
FOREMAN	Kelly Eable	
PORT	Walt Dinks	_

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

	or 800-467-867			CEMEN	ĬŤ			vince:
DATE	CUSTOMER#	WELL	NAME & NUME	ER '	SECTION	TOWNSHIP	RANGE	COUNTY
2-13-11	5659	LRR	1-23		23	155	330	120ccu
USTOMER	1 24 0			Oaklay			SAMME:	器的影響。
AILING ADDR	SS		<del></del> -	235	11/00/14	DRIVER	TRUCK#	DRIVER
				60	399	Damin		
TY	_	STATE	ZIP CODE	45	528-T127	Cooky &	octs.	<del>                                     </del>
		ł			<del></del>		<u> </u>	
DB TYPE	A Collan	HOLE SIZE	<u></u>	l しょら HOLE DEPTI		CASING SIZE & \	VEIGHT 5	<del>/</del>
asing Depth		DRILL PIPE			23/8	WHO INTE OFF		C 21781
.URRY WEIGH	17 11, +14	SLURRY VOL_		WATER galls		CEMENT LEFT In		
SPLAÇEMENT	742	DISPLACEMEN'		MIX PSI		RATE_		
MARKS:	in Februar	eating	BLC UD O	ici LPD	1-23, Tasi		- too 年	411
	et Callan	- Wive	0 305	כל תומים	110 and	3 44 316	# 7	- ELEVIA
76 BB		7. 7. 7. 7.	+ Collec	TIT	1117 011	1/1385-119		
_			COURT	1451	to loon# H	W, ran	30 745	Tubus_
TO YEL	e out c	Jeen,	· · · · · · · · · · · · · · · · · · ·	-	<del></del>			
		<u>.</u>	enat	SA C	arc.	_		
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								<del></del>
					<del></del>	- 17	7 7/ -	
				_	-		k You	· · · · · · · · · · · · · · · · · · ·
ACCOUNT	QUANITY	or UNITS	DES	CRIPTION ~	SERVICES or PRO	DUOT KAL	+era.	
54018	7				GENTIOES OF PAC		UNIT PRICE	TOTAL
466	25		PUMP CHARGE				460000	16mg
1045	275		MILEAGE	11 0			500	125 5
1101	516 \$			A Ca	vait.		16 20	46200
1102	516#	-	Cal-Se				146	2373
111) 🛦	516 H		Calcun	" Chlori	de		184	433 44
MEB	1032	#		Mates	uliceto_		2,26	1,166 16
407_	69	-	Benton				.24	247 63
5407A	12.93		Flo-Sa	<u>al</u>		-	266.	18359
7 40 ()(		<del>5</del> ———	Tou will	eage I	Deliver		150	51075
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					1			1,123 73
					Less 10%	Disc		91739
		<del></del>	246	542				21154
राग		atta 1	7				SALES TAX	483.55
		CARAA. AL		/ / J		• • • • • • • • • • • • • • • • • • • •	TOWNS OF A SHOPLEY	

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TOTAL