

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1081520

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 □ SHOW □ Gas □ D&A □ ENHR □ SIGW □ OG □ GSW □ Temp. Abd. □ CM (Coal Bed Methane) □ Cathodic □ Other (Core, Expl., etc.): □ If Workover/Re-entry: Old Well Info as follows: Operator: Well Name:	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 If Alternate II completion, cement circulated from: sx cmt.			
Original Comp. Date: Original Total Depth: 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)			
□ Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:			
GSW Permit #:	Cuerter See Two S R Total West			
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. R East West County: Permit #:			

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY				
Confidentiality Requested				
Date:				
Confidential Release Date:				
Wireline Log Received				
Geologist Report Received				
UIC Distribution				
ALT I III Approved by: Date:				

Page Two



Operator Name:				Lease N	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres o surface test, along	sures, whethe with final cha	er shut-in pre art(s). Attach	essure reac n extra shee	hed stati t if more	c level, hydrosta space is neede	itic pressures, bot d.	tom hole temp	erature, fluid re	ecovery,
Final Radioactivity Lo files must be submitte						ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electr	ronic log
Drill Stem Tests Taker (Attach Additional		Yes	☐ No				on (Top), Depth ar		Sampl	
Samples Sent to Geo	logical Survey	Yes	□No		Nam	е		Тор	Datum	1
Cores Taken Electric Log Run		☐ Yes ☐ Yes	☐ No ☐ No							
List All E. Logs Run:										
				RECORD	Ne					
	2	1				ermediate, product		T	I	
Purpose of String	Size Hole Drilled		Casing n O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Pe Additive	
			ADDITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of	Cement	# Sacks	Used	Type and Percent Additives				
Perforate Protect Casing	100 20111111									
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, ski	ip questions 2 ar	nd 3)	
Does the volume of the t							= :	p question 3)		
Was the hydraulic fractur	ring treatment information	on submitted to	the chemical	disclosure re	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ION RECORD Footage of Eac					cture, Shot, Cement			epth
	open,					,,				
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or Ef	NHR. F	Producing Met	hod: Pumpin	a \square	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat			Gas-Oil Ratio	Gra	avity
	1									
	ON OF GAS:		en Hole	METHOD OF			mmingled	PRODUCTION	ON INTERVAL:	ļ
Vented Solo	I Used on Lease bmit ACO-18.)		en noie _	Perf.	(Submit		mmingled mit ACO-4)			

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Balthazor A 3
Doc ID	1081520

Tops

Name	Тор	Datum
Anhydrite	1716	+524
Anhydrite (base)	1748	+490
Topeka	3195	-957
35' Topeka	3215	-977
Plattsmouth	3338	-1100
Heebner	3392	-1154
Heebner (base)	3396	-1158
Toronto	3416	-1178
Lansing A	3433	-1195
Lansing B	3472	-1234
Lansing C	3490	-1252
Lansing F	3510	-1272
Lansing G	3524	-1286
Lansing H	3562	-1324
Lansing I	3588	-1350
Lansing J	3602	-1364
Lansing K	3620	-1382
Kansas City (base)	3662	-1424
Arbuckle	3736	-1498
RTD	3830	
LTD	3833	
Granite Wash	4136	-1898
RTD	4189	

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

May 17, 2012

Bruce Meyer BEREXCO LLC 2020 N. BRAMBLEWOOD WICHITA, KS 67206-1094

Re: ACO1 API 15-065-23825-00-00 Balthazor A 3 NE/4 Sec.23-09S-21W Graham 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, Bruce Meyer

ED CEN. INTING CO., LLC. 05.648 Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell

	,								
DATE 4-14-12	SEC 3	TWP. 3	RANGEL 21	C/	ALLED OUT	ON I	OCATION	JOB START	JOB FINISH
LTHAZOR LEASE	WELL# A	143	LOCATION Red	d Live	e CHuech -	24	YE	COUNTY	STATE
OLD OR (NEW)(Cir			SOUTH I'		;			GRAHAM	
CONTRACTOR A	200101	~ #10	3		OMNED			2	•
TYPE OF JOB S	GEFAC	13			OWNER	***************************************			
HOLE SIZE 12	Yu	T.D	325		CEMENT			_	
	85/8		PTH 323.23		AMOUNTO	RUEDE	D 225	5K 300	2%
TUBING SIZE	<u> </u>		PTH		AMOUNTO	KDEKE	U OCALO		2010
DRILL PIPE			PTH						
TOOL	•		PTH						
PRES. MAX	***************************************		NIMUM		COMMON_		125	@ 16.25	3656.2
MEAS. LINE			DE JOINT		POZMIX			_@ <i>10127</i>	20200
CEMENT LEFT IN	CSG. / S	F	DESORTE		GEL		4	@ 21,25	8500
PERFS.					CHLORIDE		8		465.60
DISPLACEMENT	19.6	3 661	_		ASC			0	765460
				-	A3C			_	
	EQUI	PMENT						_	
							7		
11-0			SmiTH -	+ Too	1d			 	
	HELPER	TON	. Y					_	
BULK TRUCK			// ·					_ <u>~ ·</u> _ @	-
	DRIVER	Robe	RT /		**			_ @	
BULK TRUCK								_ @	-
Į I	DRIVER		P-1-2-1		HANDLING	2	37	_ ~	533.25
					MILEAGE 4				1303.50
	REM	IARKS:				_			
	KDI.	ILVIKIZO.			Deagage	2 11,8	50	TOTAL	6043.60
PumpEd	1 229	55k					SERVI	CR	
							BERTI		
сетел	7 C	RCul	ATEM		DEPTH OF J	OB 3	23.23		
70	SURF	A CE			PUMP TRUC	CK CHA	RGE		112500
	····				EXTRA FOO	TAGE	23.23	@ . 95	22.07
,					MILEAGE			@ 700	35000
					MANIFOLD	542	doe	@ 2500	- 8
					Lolv		50	@	-0
								@	
HARGE TO:	3ER	EX	CO		-				
								TOTAL	1497.07
TREET					v		*	IUIAL	1.13/40/
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,111				-		PLUG	& FLOAT	EQUIPMEN	VT.
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			4				1,11-1,41-1,111, E. A		
D. 4111 2 22								_@	
To Allied Cement								_@	
You are hereby re-							1	_@	
and furnish cemen								_@	
contractor to do w	ork as is l	isted. Tl	ie above work w	vas		*			
done to satisfactio	n and sup	ervision	of owner agent o	or				TOTAL	· - 63-
contractor. I have					(a)	4	200	1	(♥
TERMS AND CO					SALES TAX	(If Any	1//	6/	- :; .
	4.4		•		TOTAL CHA	RGES	75.40.	67	·
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KINTED NAME_	1.11/1	0 70	1195	·	DISCOUNT	5416	100%	IF PAI	D IN 30 DAYS
	00 0	1	/().	<i>j</i> .					
SIGNATURE	MAN	N X							
	1	574							

ALLIED DIL & GAS SERV. JES, LLC 056390

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31 SERVICE POINT: RUSSELL, KANSAS 67665 & USSell RANGE CALLED OUT DATE 4-22. ON LOCATION JOB START JOB FINISH 2141 4:00Am 630 Am LEASEDOLT HAZ WELL# COUNTY STATE LOCATION HW YOSE Chathan OLD OR NEW (Circle one) Rig # 10 (milo) **OWNER** TYPE OF JOB PRODUCTION STRING 1 HOLE SIZE 77/8 T.D. CEMENT AMOUNT ORDERED 50 SX ASC. Q CASING SIZE 5/2 DEPTH 15 TUBING SIZES S/ASURTACL DEPTH 2200 SX 150 6% GeL 4. IT + 12. Seal DRILL PIPE \$ 450 Sx 40 475 GeL 4# FID SOUL **DEPTH** TOOL DV DEPTH SOO GALWERZ MUP FINSH PRES. MAX MINIMUM COMMON MEAS. LINE SHOE JOINT POZMIX **GEL** CHLORIDE DISPLACEMENT (a) **EQUIPMENT** @ @ PUMP TRUCK CEMENTERGLERA 417 HELPER WOODY O BULK TRUCK 500 GAL-WITRZFASH @ #410/481 DRIVER O MRIS G BULK TRUCK DRIVER CODY (a) 57 15 007 92,93,94, 95,96 REMARKS: DATOOL ON HANDLING SA@2 25 MILEAGE TO MILE TOTAL SOTE 3860, ROCIOUD CIRCULATION, INR **SERVICE** PUMP WER 2-MUD FILISH & Coment willSOS ATCH DAL Plug. Y DISPIECE 90BBL-L DEPTH OF JOB PUMP TRUCK CHARGE 1800 F (HELD) DROP DORTH ORN DU TONG EXTRA FOOTAGE @ 1200th Directife IHR, & Commit MILEAGE 72 HY ME @ 4% 44 1/0 SCUL STOGO W/ 450 5x 60 Release Top Stage Trud & Bisplace 413/4 PC 120 LANDE (2000 #. Release # & HELD: MANIFOLD_ _ @ V MI @ CHARGE TO: () ereveo MKS STREET TOTAL SSX@ MOUSE HOLE 30 SX @ KAT HOLE PLUG & FLOAT EQUIPMENT ment DID CIRCULATE (a) O SURFACE ACSV@_ To: Allied Oil & Gas Services, LLC. @ RHREAD LOCK You are hereby requested to rent cementing equipment (a) TURRO Centralizers and furnish cementer and helper(s) to assist owner or _@ 1- DVASTage TOOL contractor to do work as is listed. The above work was D. Basker's 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 ____ PRINTED NAME_ DISCOUNT ____ IF PAID IN 30 DAYS SIGNATURE

BEREXCO, LLC. BALTHAZOR A # 3 N2SWNENE SECTION 23 9S-21W GRAHAM COUNTY, KANSAS

GEOLOGIST WILLIAM B. BYNOG

DISCUSSION

Balthazor A # 3 was drilled a total depth of 4189 feet testing the Lansing Kansas City and Arbuckle formations in Graham County, Kansas. It was planned that if Balthazar A # 3 was a dry hole drilling would continue to the Granite wash for a water disposal well.

Structurally, Balthazar A # 3 came in four feet low to a nearby producing well Balthazar A # 2 on the Lansing top and ten feet low on the Arbuckle.

The Lansing Kansas City formation had a few sample shows with poor to fair porosity development, none worthy of a drill stem test. The top four feet of the Arbuckle has good porosity development with good sample shows and was tested with poor results recovering 2405 feet of water and mud with a trace of oil. After logs, another drill stem straddle test was attempted on the second Arbuckle bench but the top packer failed. Drilling continued to the Granite wash in preparation for a water disposal well.

Logs agreed with sample evaluation recording poor to fair porosity development in the Lansing Kansas City. The Arbuckle has good porosity development and the second bench calculates productive with very good sample shows of free oil.

A decision was made to run production pipe for a disposal well and possible production from the Arbuckle second bench.

BALTHAZOR A #3 SAMPLE DESCRIPTIONS BEREDCO DRILLING RIG 10 DRILLING 7 7/8 HOLE

ANHYDRITE 1716(+524) L
BASE 1748(+490) L
SAMPLE DESCRIPTIONS
3100-60 LIMESTONE buff,hard,micxln, slightly sandy,fossils,poor porosity,no shows
3160-95 SHALE gray,green,soft,argillaceous TOPEKA
3195-3215 LIMESTONE buff,very hard,dense, blocky,poor porosity,no shows 35' TOPEKA
3215-25 LIMESTONE white, firm, very fossils, slightly chalky, poor to fair porosity, no shows
3225-66 LIMESTONE buff,hard,dense,as above

3266-80 LIMESTONE white, buff, firm,	fossils, fair porosity, no shows
--------------------------------------	----------------------------------

3280-3310 SHALE gray, as above

3310-38 LIMESTONE buff,hard,fossils,poor porosity,no shows,

PLATTSMOUTH

3338-50 LIMESTONE white, buff, firm, slightly chalky, very fossils, fair intg porosity, no shows with thin SHALE as above

3350-60 LIMESTONE as above dense

3360-84 LIMESTONE white, buff, soft, sandy, slightly chalky, fair porosity, no shows

3384-92 LIMESTONE buff, very hard, dense, abundant Chert white

HEEBNER

3392-96 SHALE black, green, carbonaceous

3396-3404 LIMESTONE buff, very hard, dense, black

3402-16 SHALE gray, green, red, firm, fissile

TORONTO

3416-24 LIMESTONE buff,very hard,dense, abundant Chert white,gray
3424-33 SHALE as above
LANSING A
3433-48 LIMESTONE buff,slightly hard,fossils, slightly chalky,poor to fair porosity,no shows some Chert white,gray
3448-60 LIMESTONE buff,hard,blocky, dense,fossils,poor porosity,no shows
3460-72 SHALE as above B ZONE
3472-82 LIMESTONE as above dense, fossils, poor porosity, no shows, abundant Chert gray, white
3482-90 SHALE as above
C ZONE
3490-3510 LIMESTONE as above,no shows F ZONE
3510-16 LIMESTONE buf,firm,fossils,poor to fair intg porosity,spotty brown live stain,good cut,poor

Page 3

show free oil	37 (3 (4 (3 (3 (3 (4 (3 (4 (3 (4 (3 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4
3516-24 SHALE as above	
G ZONE	
3524-54 LIMESTONE buff,hard,blocky, dense,poor porosity,no sho	M1/6
or a constraint of the contract of the constraint of the constrain	JW3
3554-62 SHALE color as above	
H ZONE	
3562-80 LIMESTONE buff, very hard, dense, trace micxln, poor porowhite, gray	osity,no shows,abundant Chert
3580-88 SHALE as above	
I ZONE	
IZONE	
3588-96 LIMESTONE buff, very hard, dense, with Chert as above	
3596-3602 SHALE as above	
J ZONE	
3602-06 LIMESTONE buff, firm, fossils, slightly chalky, poor porosi	ty,very spotty brown stain,poor cut

3606-20 LIMESTONE buff, very hard, dense, no shows

K ZONE

3620-30 LIMESTONE buff,hard,dense,poor pinpoint vuggy porosity,very spotty brown stain,poor cut

3630-40 LIMESTONE buff, very hard, dense, no shows

3640-62 SHALE red,soft,very argillaceous with thin LIMESTONE as above dense,no shows BKC

3662-70 LIMESTONE white, buff, firm, oolitic, poor to fair intg porosity, spotty brown live stain, good cut and odor, nfo

3670-80 SHALE red, soft, argillaceous

3680-88 LIMESTONE buff,pale gray,very hard,dense,abundant Chert yell,translucent

3680-3715 SHALE red, green, yell, with very abundant Chert red, yell, translucent

3715-20 SANDSTONE translucent, firm, fine to mg, srnd, wsrtd, fair intg porosity, even live brown stain, very good cut and odor, good show free oil

3720-36 SHALE red,green,yell,ble,firm, fissile, with thin SANDSTONE translucent,friable, mg,rounded,fair porosity,abundant dead black flaky stain,poor cut

ARBUCKLE

3736-44 DOLOMITE buff,firm to slightly hard,micxln to micsuc texture,fair to good intxln porosity,even live brown stain,very good cut and odor,good show free oil

3744-66 DOLOMITE buff,hard,micsuc,good crystalline porosity,even live brown stain,very good cut and odor,good show free oil

3766-75 DOLOMITE buff, very hard, very dense, very spotty live brown stain, good cut, abundant Chert white,

3775-85 DOLOMITE buff,firm,micsuc,good crystalline porosity,spotty to even live brown stain,very good cut and odor,good show free oil

3785-3798 DOLOMITE buff,hard,dense,no shows, abundant Chert white

3798-05 DOLOMITE buff, slightly hard, micsuc, good crystalline porosity, spotty brown stain, good cut, fair show free oil

3805-60 DOLOMITE buff, very hard, dense, abundant Chert white

RTD 3830'

LTD 3833'

3860-72 DOLOMITE buff, slightly hard, fair to good micsuc porosity, no shows

3872-3910 DOLOMITE as above very hard, dense, abundant Chert white

3910-30 DOLOMITE buff, pale green, fair micsuc porosity, no shows

3930-78 DOLOMITE very hard, dense, abundant Chert white with thin DOLOMITE hard, micsuc, fair porosity, no shows

3978-90 DOLOMITE buff, firm, micsuc, good intg porosity, no shows

3990-40 DOLOMITE as above dense

4000-60 DOLOMITE buff, firm, good intxln micsuc to coarse crystalline porosity, no shows

4060-4100 DOLOMITE as above dense, with thin DOLOMITE buff, slightly hard, fair to good porosity, no shows

4100-36 DOLOMITE buff,firm,good crse crystalline porosity,no shows

GRANITE WASH

4136-63 GRANITE WASH red, some mica abundant very sandy

4163-89 SANDSTONE translucent, firm, m to cg, rounded, wsrtd, good intg porosity, no shows
Page 7

4189' RTD

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: BALTHAZOR A # 3

Location: N2SWNENE 23-T9S-R21W GRAHAM COUNTY, KANSAS

Licence Number: 15-065-23825 Regi

ce Number: 15-065-23825 Region: MIDCONTINENT
Spud Date: 4-14-2012 Drilling Completed: 4-21-2012

Surface Coordinates: 740' FNL & 1000' FEL

Bottom Hole Coordinates:

Ground Elevation (ft): 2227

27 K 00 To: 4189

K.B. Elevation (ft): 2238 Total Depth (ft): 4189

Logged Interval (ft): 3000 To: 418 Formation: LKC & ARBUCKLE

Type of Drilling Fluid: CHEMICAL

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

OPERATOR

Company: BEREXCO, LLC.

Address: 2020 N. BRAMBLEWOOD

WICHITA, KANSAS 67206

GEOLOGIST

Name: WILLIAM B. BYNOG

Company:

Address: P.O. BOX 687

PINECLIFFE, CO. 80471

303-642-3681 OFFICE 303-250-0727 CELL

SURVEYs

DEPTH ANGLE 330' 3/4 1220' 1/2 3740' 1/4

DSTs

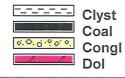
DST#1 3684-3740'

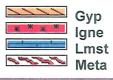
Comments

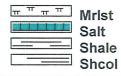
DRILLED TO 3830' RTD AND 3833' LTD, CONTINUED TO DRILL DEEPER TO 4189' ,THEN RAN 5 1/2 CASING

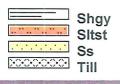
ROCK TYPES











ACCESSORIES

MIN	ERAL	11/1
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В	Bent	*
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ও	Brecfrag	**
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=	Carb	田
	Chtdk	
	Chtlt	
4	Dol	\triangle
+	Feldspar	S
•	Ferrpel	∇

<u></u>	Gyp	
1	Hvymin	
K	Kaol	
П	Marl	
*	Minxl	
Θ	Nodule	
00	Phos	
Р	Pyr	
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	Silt	
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S	Sulphur	
	7	

Tuff

P	CCESSOR
FOS	SIL
മ	Algae
CIC	Amph
Ф	Belm
\cap	Bioclst
	Brach
Υ	Bryozoa
હ	Cephal
A	Coral
⊙	Crin
8	Echin
\propto	Fish
8 ~	Foram
F	Fossil

	Ostra Pelec Pellet Pisolite Plant Strom
STR	RINGER Anhy Arg

Coal

Dol

Gyp

Sltstrg
Ssstrg

TEXTURE
BS Boundst
C Chalky
CX CryxIn
E Earthy
FX FinexIn
GS Grainst

Lithogr

Mudst

Packst

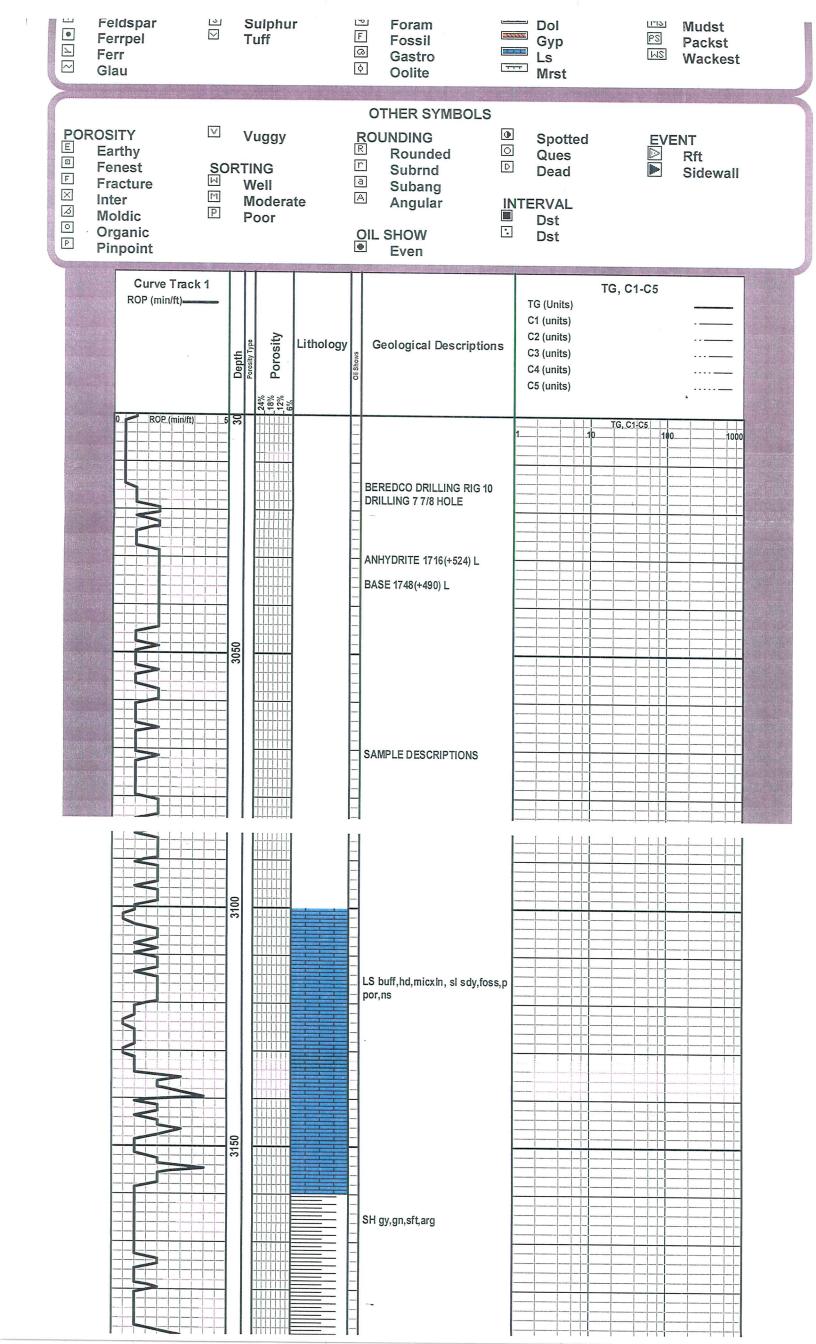
Microxln

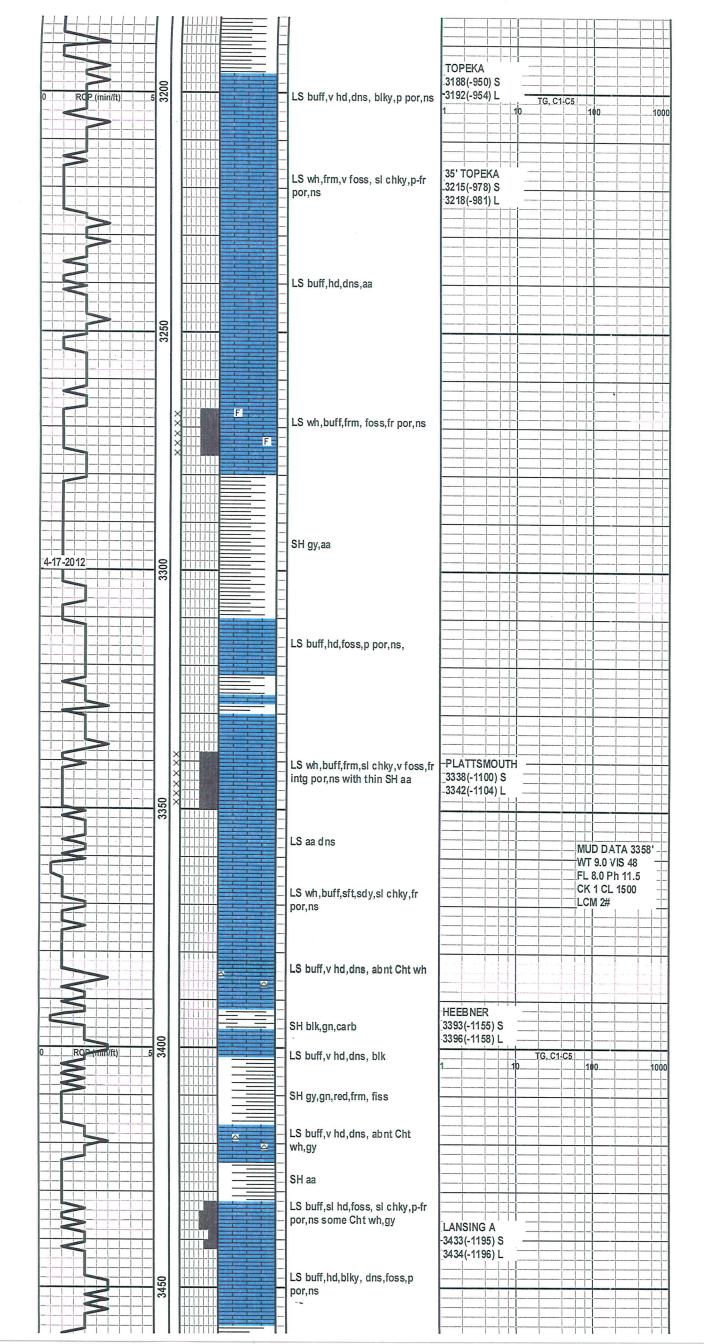
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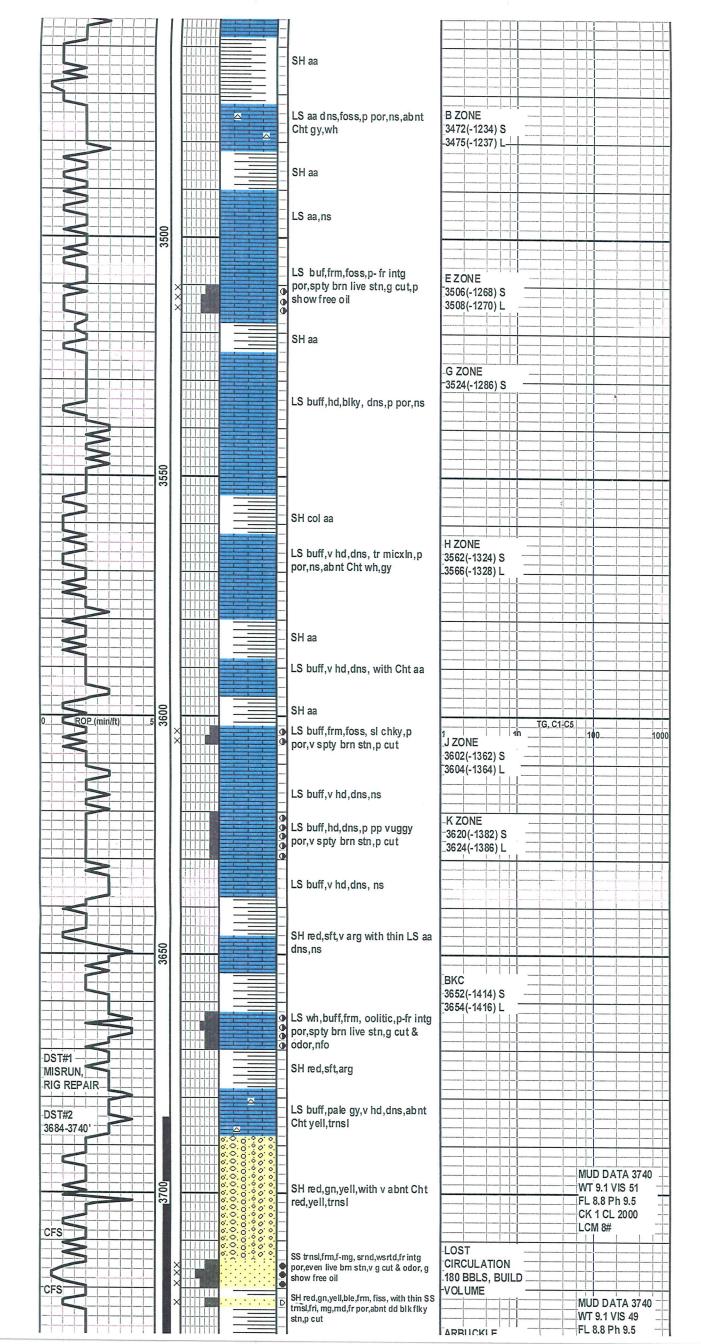
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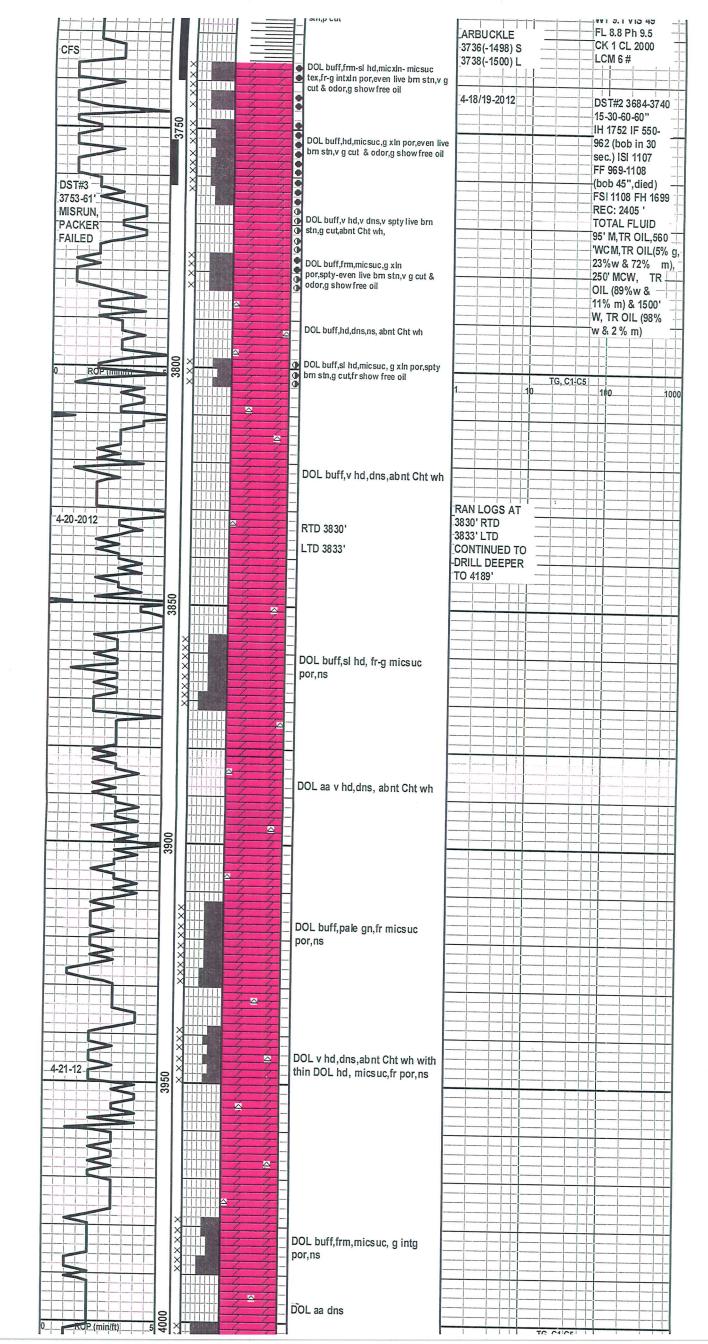
MS

PS









DOL buffirm, g infolin microus-coarse sin por rise DOL buffirm, g infolin microus-coarse sin por rise DOL buffirm, g infolin microus-		=1	• 11111111			_											
DOL buffirm, g rise in mics us coarse also por, rise MALD DATA 4025 WY 3 3 10 5 80 FOR SEP 13 3 - CK 1 0.2 200 DOL to drie, with this DOL buff, all buffire goor, ris DOL buff, firm, g rise xis por, ris GRANTE WASH red, across min por, ris Streat Lim, ring, rind, world, g into por, ris 4188' RTD 4188' RTD	0 KOP (min/ft) 5	휭		7 7					+			-C5	+			+	H
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DRILL STEM TEST REPORT

Berexco LLC

23/9s/21w Graham KS

2020 N Bramblew ood Wichita, KS 67206 Balthazor A #3

Job Ticket: 45672

DST#: 1

ATTN: Bryan Bynog

Test Start: 2012.04.18 @ 11:27:05

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: Tester: James Winder

Time Test Ended: 06:28:29 Unit No: 57

Interval: 3684.00 ft (KB) To 3740.00 ft (KB) (TVD) Reference Elevations: 2238.00 ft (KB)

Total Depth: 3740.00 ft (KB) (TVD) 2227.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6719 Inside

 Press@RunDepth:
 psig
 @ 3685.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2012.04.18 End Date: 2012.04.19 Last Calib.: 1899.12.30

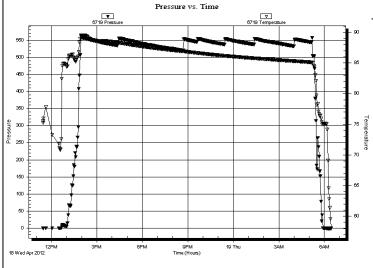
Start Time: 11:27:05 End Time: 06:28:29 Time On Btm: Time Off Btm:

TEST COMMENT: Mis-Run: Rig broke down at 14:00 - Drum clutch w ent out

Mechanic at location around 22:00 - He w ent for parts at 23:00

I w ent to w ait at Hill City

I was back on location at 5:35 4/19/12 to lay down and reset tools



	PRESSURE SUMMARY					
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation		
Temperature						

Cac Datas

Recovery

Length (ft)	Description	Volume (bbl)

Ous rui	.00	
Chalco (inabas)	Drocoure (poig)	Coo Roto (Mof/d)

Trilobite Testing, Inc Ref. No: 45672 Printed: 2012.04.20 @ 09:53:53



DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

23/9s/21w Graham KS

2020 N Bramblew ood Wichita, KS 67206 Balthazor A #3

Job Ticket: 45672

Serial #:

DST#: 1

ATTN: Bryan Bynog

Test Start: 2012.04.18 @ 11:27:05

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 51.00 sec/qt Cushion Volume: bbl

Water Loss: 8.77 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 2000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

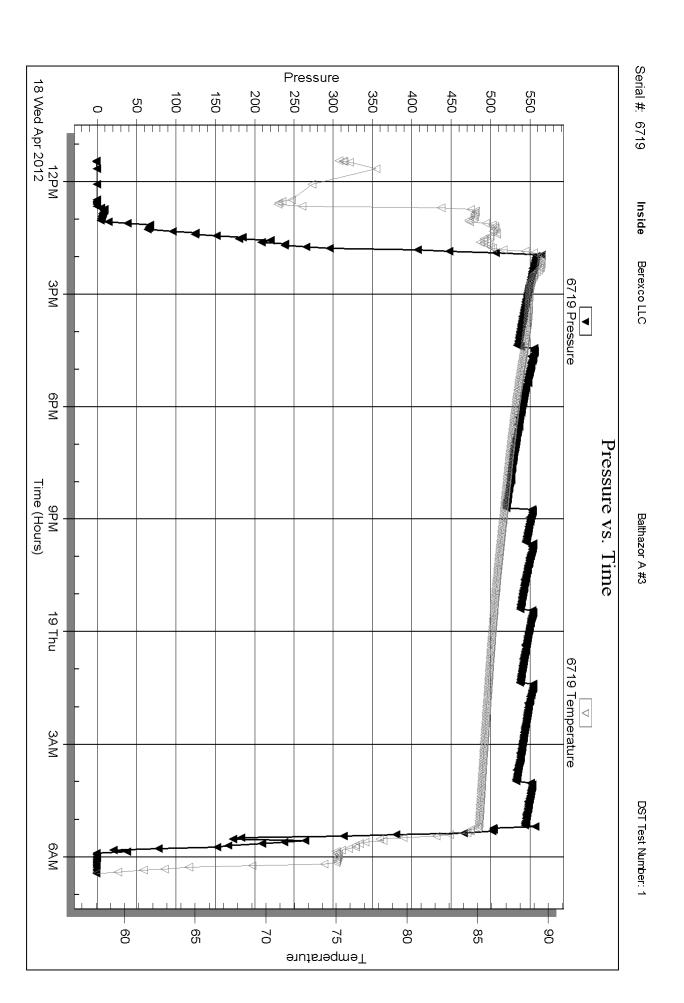
Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments: 8# of LCM

Trilobite Testing, Inc Ref. No: 45672 Printed: 2012.04.20 @ 09:53:54



Trilobite Testing, Inc

Ref. No:

45672



DRILL STEM TEST REPORT

Berexco LLC

2020 N Bramblew ood

ATTN: Bryan Bynog

Wichita, KS 67206

23/9s/21w Graham KS

Balthazor A #3

Job Ticket: 45673 DST#: 2

Test Start: 2012.04.19 @ 13:20:00

Formation: **Arbuckle**

GENERAL INFORMATION:

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

Time Tool Opened: 15:50:30 Tester: James Winder 57

Time Test Ended: 21:33:30 Unit No:

Interval: 3684.00 ft (KB) To 3740.00 ft (KB) (TVD) Reference Elevations: 2238.00 ft (KB)

Total Depth: 3740.00 ft (KB) (TVD) 2227.00 ft (CF)

7.88 inches Hole Condition: Fair KB to GR/CF: Hole Diameter: 11.00 ft

Serial #: 6719 Inside

Press@RunDepth: 3685.00 ft (KB) 1108.25 psig @ Capacity: 8000.00 psig

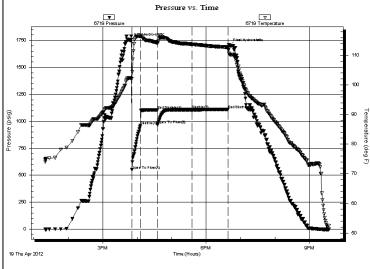
Start Date: 2012.04.19 End Date: 2012.04.19 Last Calib.: 2012.04.19 Start Time: 13:20:05 End Time: 21:33:29 Time On Btm: 2012.04.19 @ 15:48:00 2012.04.19 @ 18:41:00 Time Off Btm:

TEST COMMENT: 15 - IF: Blow built to BOB (11") in 30 sec.

30 - ISI: Bled off, No blow back

60 - FF: Blow built to BOB in 40 sec., dead by 45 min.

60 - FSI: No blow back



	PRESSURE SUMMARY							
Ī	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
	0	1751.72	102.34	Initial Hydro-static				
	3	550.26	102.00	Open To Flow (1)				
	18	961.95	116.41	Shut-In(1)				
_	47	1106.68	114.18	End Shut-In(1)				
Temperature (deg F)	48	969.02	114.02	Open To Flow (2)				
rature	108	1108.25	113.75	Shut-In(2)				
(deq	170	1109.27	112.73	End Shut-In(2)				
J	173	1699.45	110.30	Final Hydro-static				

Gas Rates

DDECCLIDE CLIMANA DV

Recovery

Length (ft)	Description	Volume (bbl)
1500.00	Water 98%w, 2%m, trace oil	16.09
250.00	MCW 89%w, 11%m, trace oil	3.51
560.00	WCM 72%m, 23%w, 5%g, trace oil	7.86
95.00	Mud w/trace oil 100%m	1.33
* Recovery from mul	tiple tests	

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

Trilobite Testing, Inc. Ref. No: 45673 Printed: 2012.04.20 @ 08:15:27



DRILL STEM TEST REPORT

FLUID SUMMARY

DST#: 2

Berexco LLC

23/9s/21w Graham KS

2020 N Bramblew ood Wichita, KS 67206

ATTN: Bryan Bynog

Balthazor A #3

Job Ticket: 45673

Test Start: 2012.04.19 @ 13:20:00

Mud and Cushion Information

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

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 32000 ppm

Viscosity: 49.00 sec/qt Cushion Volume: bbl

Water Loss: 8.75 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 2000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1500.00	Water 98%w, 2%m, trace oil	16.085
250.00	MCW 89%w, 11%m, trace oil	3.507
560.00	WCM 72%m, 23%w, 5%g, trace oil	7.855
95.00	Mud w /trace oil 100%m	1.333

Total Length: 2405.00 ft Total Volume: 28.780 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 6# LCM

RW = .279 ohms @ 55.3 deg F Chlorides = 32,000 ppm

Trilobite Testing, Inc Ref. No: 45673 Printed: 2012.04.20 @ 08:15:28

