Confidentiality Requested:

Yes No

#### Kansas Corporation Commission Oil & Gas Conservation Division

1251064

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
City: S	State:	Feet from East / West Line of Section
Contact Person:		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		□NE □NW □SE □SW
CONTRACTOR: License #		GPS Location: Lat:, Long:
Name:		(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84
Purchaser:		County:
Designate Type of Completion:		Lease Name: Well #:
New Well Re	e-Entry Workover	Field Name:
□ Oil □ WSW	,	Producing Formation:
Gas D&A	☐ SWD ☐ SIOW ☐ SIGW	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DaA	GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	_ long./bd.	Amount of Surface Pipe Set and Cemented at: Feet
	re, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Ir		If yes, show depth set: Feet
Operator:		If Alternate II completion, cement circulated from:
Well Name:		feet depth to:w/sx cmt.
Original Comp. Date:	Original Total Depth:	
<ul><li>□ Deepening</li><li>□ Re-perf.</li><li>□ Plug Back</li></ul>	Conv. to ENHR Conv. to SWD 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
Dual Completion	Permit #:	Dewatering method used:
SWD	Permit #:	Location of fluid disposal if hauled offsite:
☐ ENHR	Permit #:	
GSW	Permit #:	Operator Name:
_		Lease Name: License #:
Spud Date or Date Re	eached TD Completion Date or	QuarterSecTwpS. R East _ West
Recompletion Date	Recompletion Date	County: Permit #:

#### **AFFIDAVIT**

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

**Submitted Electronically** 

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

#### 1251064

Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in press	formations penetrated. Is sures, whether shut-in prewith final chart(s). Attach	essure reached stati	c level, hydrosta	itic pressures, bo		
		btain Geophysical Data a or newer AND an image		gs must be ema	ailed to kcc-well-lo	ogs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional S		Yes No	L	3	on (Top), Depth a		Sample
Samples Sent to Geo	ogical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
			conductor, surface, inte		ion, etc.		I
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and	Percent Additives	
Perforate Protect Casing							
Plug Back TD Plug Off Zone							
Did you perform a hydrau	=			Yes	=	kip questions 2 ar	nd 3)
	·	Iraulic fracturing treatment ex n submitted to the chemical		? Yes[ Yes[	=	kip question 3) I out Page Three	of the ACO-1)
							,
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per			cture, Shot, Cemen mount and Kind of M		Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No	)	1
Date of First, Resumed	Production, SWD or EN	IHR. Producing Met	hod:	Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wat	er B	bls.	Gas-Oil Ratio	Gravity
DISDOSITIO	ON OF GAS:		METHOD OF COMPLE	TION:		PRODI ICTIC	ON INTERVAL:
Vented Sold		Open Hole	Perf. Dually	Comp. Con	mmingled	FUODOCIIC	ZIV IIV I LEIVAL.
(If vented, Sul		Other (Specify)	(Submit		mit ACO-4)		·

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Judy 1-21
Doc ID	1251064

### Tops

Name	Тор	Datum
Anhydrite	3164	+82
Anhydrite (base)	3200	+46
Foraker	3761	-515
Topeka	3980	-734
Oread	3098	-852
Lansing A	4192	-946
Lansing B	4247	-1001
Lansing C	4308	-1062
Lansing D	4351	-1105
Lansing E	4396	-1150
Lansing F	4434	-1188
RTD/LTD	4550	-1304

Form	ACO1 - Well Completion			
Operator	BEREXCO LLC			
Well Name	Judy 1-21			
Doc ID	1251064			

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	300	common	3%CC, 2%gel

## ALLIED OIL & GAS SERVICES, LLCVE TO FINANCIA FEDERAL TEXT I.D. # 20-8651475

REMIT TO P.O. B SOUTH	OX 93999 ILAKE, TEXAS 760	92		SERVICE POINT:			
DATE 4-8-15	SEC. 21 TWP: /	RANGE 36	CALLED OUT	ON LOCATION	, -		
LEASE Tudy	WELL# 1-21	LOCATION	along ld N	to AA	Racilias	STATE	
OLD OR NEW CI	rcle one)	3/2 2	Ninto		7.		
CONTRACTOR A	Beredos /		OWNER >	aus	<b></b>		
	2 7 TD.	3031	CEMENT				
CASING SIZE		TH 30049		RDERED 225	Sto con	32/ce	
TUBING SIZE	DEP	······		? Esgal			
DRILL PIPE	DEB	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			***************************************		
TOOL PRES. MAX	DEP	<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>		カッシュ	200 com	Meno ca	
MEAS. LINE		IIMUM SE LOINTE	COMMON_	0205/2	_	462250	
CEMENT LEFT IN		E JOINT	POZMIX _	169.9 A.	@ @	27/56	
PERFS.	(COG: 7.9		GEL CHLORIDE	7,35#	- 0 - 1.10	211.50	
DISPLACEMENT	18.27 66	2.1	ASC	<u> </u>	@ 	Caron	
:	EQUIPMENT	•		э.	 :@		
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PUMP TRUCK (	CEMENTER LOX	au Eclen	te -		@ 1		
· / w " m.	HELPER Way	re cle 649	L - (00	11.00/20	2@		
BULK TRUCK	~ /-	A	<del></del>		_@		
#373/306 1	DRIVER Varie	a Kace He	<u> </u>		_@		
BULK TRUCK			·	~~~~	_@		
# 1	DRIVER	19	— HANDLING	2433443	@248	603.38	
				1.1 toux 50	275	1526.25	
	REMARKS:				TOTAL		
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Comet.	ded co	rulade	· · · · · · · · · · · · · · · · · · ·		**	***************************************	
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	Gas Services, LLC.		***************************************		.@		
	quested to rent cem-		( · ·			·	
and turnish cemen	iter and helper(s) to	assist owner or			_ @:		
	ork as is listed. The n and supervision o				TOTAL		
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	NDITIONS" listed			(If Any.)	***************************************		
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SIGNATURE X	WMAH ()	L. H	**************************************	L. I Char.	الله الله		
		M.					



## CEMENTING LOG

STAGE NO.

4/-8-	-15	of Darlel	a Ka	icket No. 6 4	1001	CEMENT DATA:
Date Y-0		Ct/O		icket No.		Spacer Type:
Company	Tucky	<u>~</u>		1 -	1	Amt Sks Yield ft <sup>a</sup> /sk Density PPG
Lease	2 cestins	<del></del>		Vell No. 1-02		
oounty	21-1-	36		tate / 3		
Location	nald-			igld	unte	LEAD: Pump Time hrs. Type Armer Science 2 To 2 Par Excess
CASING DATA:				<u></u>		EXCESS
CAGING DATA.					isc 🗌	7,000,000,000
- 87	Surface	Intermed	iate LI Pr	oduction 🔲 Lir	ner [_]	TAIL: Pump Time hrs. Type
Size	Type	Weig	jht <u></u>	Collar		Excess
<del></del>						Amt Sks Yield ft³/sk DensityPPG
		· · · · · · · · · · · · · · · · · · ·				WATER: Lead gals/sk Tail gals/sk Total Bbls.
				300.49		7/07/
Casing Depths: 1	op /		Bottom	300.91		Pump Trucks Used 122- way are Bulk Equip. 373/306- Do romen
						Bulk Equip. 372/306- Oo. W. Esc.
	· · · · · · · · · · · · · · · · · · ·					
Drill Pipe: Size _	1219	Weight	2 2 2	Collars P.B. to		
Open Hole: Size .	1214	T.D. <u>2</u>	ft.	P.B. to	ft.	Float Equip: Manufacturer
CAPACITY FACTO			_			Shoe: Type Depth
Casing:	Bbls/Lin. ft	2064	Lin. ft./E	3bl,		Float; Type Depth
Open Holes:	Bbls/Lin. ft,		Lin. ft./E	3bl		Centralizers: Quantity Plugs Top Btm
Drill Pipe:	Bbls/Lin. ft		Lin. ft./E	3bl		Stage Collars
Annulus:	Bbls/Lin. ft.		Lin. ft./E	3bl,		Special Equip
				3bl		Disp. Fluid Type wa few Amt. (3-27) Bbls. Weight PPG
Perforations: F	•			ft. Amt		Mud Type Weight PPG
TOTOSOGIONS: 1	10111	II. IO.			<del></del>	veignt rrd
COMPANY REPR	ECENTATIVE		****			CEMENTER La Lance
CONFANT NEFA	COCNIAIIVE					CEMENTER
TIME	PRESSU	RES PSI	FLL	JID PUMPED (	DATA	
AMJOM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	REMARKS
	CASING		FLUID	Time Period	Bois Min.	Hold Safely Meetin
-5 10	ļ					
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J	W TVANO	1 Chimmenson	( Joseph			
FINAL DISP PRES	is:	PSI	BUMP PLUC	3 TO		PSI BLEEDBACK BBLS. THANK YOU



Berexco, LLC.

2020 N. Bramlew ood

Wichita, KS 67206

ATTN: Bryan Bynog

21/1s/36w

Judy #1-21

Tester:

Capacity:

Job Ticket: 62267 DST#: 1

Test Start: 2015.04.12 @ 11:07:00

#### **GENERAL INFORMATION:**

Formation: LKC "A"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:19:30 Time Test Ended: 20:33:30

4140.00 ft (KB) To 4225.00 ft (KB) (TVD) Interval:

Total Depth: 4225.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Bottom Hole (Initial) Brandon Quintana

Unit No: 57

Reference Elevations:

3246.00 ft (KB)

3235.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8647 Inside

Press@RunDepth: 4141.00 ft (KB) 44.50 psig @

Start Date: 2015.04.12 End Date: Start Time: 11:07:01 End Time: 2015.04.12 Last Calib.: 20:33:30

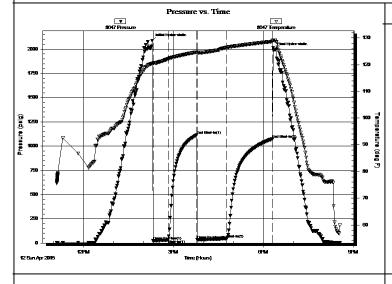
8000.00 psig 2015.04.12

2015.04.12 @ 14:18:00 Time On Btm:

2015.04.12 @ 18:21:00 Time Off Btm:

TEST COMMENT: 30 - IF - Opened w/surface blow, didn't build.

60 - ISI - No Return 60 - FF - No Blow 90 - FSI - No Return



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2086.63	120.40	Initial Hydro-static
2	22.36	120.46	Open To Flow (1)
32	34.89	122.10	Shut-In(1)
89	1113.36	124.65	End Shut-In(1)
90	34.00	124.40	Open To Flow (2)
149	44.50	126.43	Shut-In(2)
240	1074.06	128.66	End Shut-In(2)
243	1994.32	129.05	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
15.00	100%mud	0.07

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 62267 Printed: 2015.04.12 @ 22:51:59



**FLUID SUMMARY** 

Berexco, LLC. **21/1s/36w** 

2020 N. Bramlew ood **Judy #1-21** 

Wichita, KS 67206 Job Ticket: 62267 **DST#:1** 

ATTN: Bryan Bynog Test Start: 2015.04.12 @ 11:07:00

Serial #:

**Mud and Cushion Information** 

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

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 52.00 sec/qt Cushion Volume: bbl

Water Loss: 6.00 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 800.00 ppm Filter Cake: 2.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
15.00	100%mud	0.074

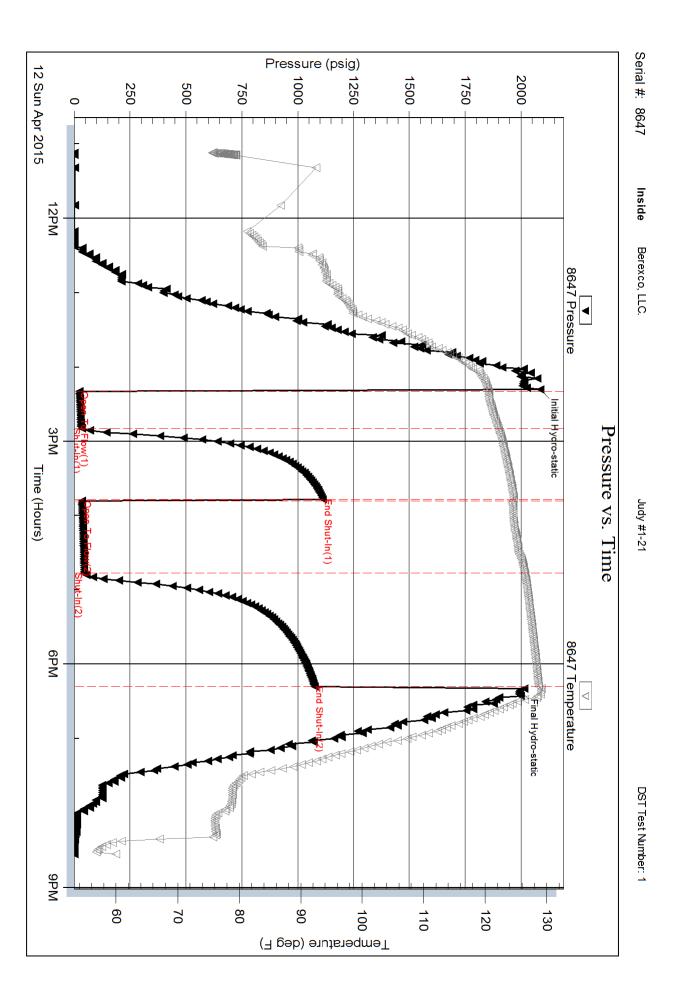
Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 62267 Printed: 2015.04.12 @ 22:51:59



Trilobite Testing, Inc

Ref. No:

62267

Printed: 2015.04.12 @ 22:51:59



Berexco, LLC.

21/1s/36w

2020 N. Bramlew ood Wichita, KS 67206

Judy #1-21

Job Ticket: 62268

DST#: 2

ATTN: Bryan Bynog

Test Start: 2015.04.13 @ 11:23:00

#### **GENERAL INFORMATION:**

Formation: LKC "B&C"

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

Time Tool Opened: 13:55:00 Time Test Ended: 21:08:00

Unit No: 57

Brandon Quintana

4205.00 ft (KB) To 4335.00 ft (KB) (TVD)

Reference Elevations: 3246.00 ft (KB) 3235.00 ft (CF)

7.88 inches Hole Condition: Fair Hole Diameter:

4335.00 ft (KB) (TVD)

KB to GR/CF: 11.00 ft

Serial #: 8647 Press@RunDepth:

Interval: Total Depth:

Inside

178.08 psig @

4206.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: 2015.04.13 Start Time: 11:23:01

End Date: End Time: 2015.04.13 21:08:00

Time On Btm:

Tester:

2015.04.13 2015.04.13 @ 13:53:30

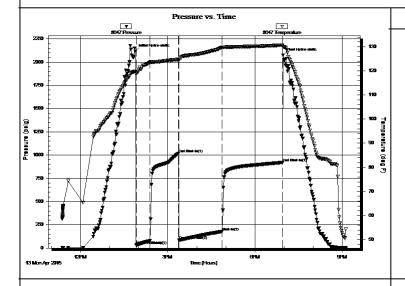
Time Off Btm:

2015.04.13 @ 18:58:00

TEST COMMENT: 30 - IF - Opened w / surface blow , built to 2"

60 - ISI - No Return 60 - FF - Blow built to 4 1/2"

90 - FSI - No Return



#### PRESSURE SUMMARY Pressure Temp Annotation

IIIIIC	ricssuic	remp	Alliotation	
(Min.)	(psig)	(deg F)		
0	2115.60	119.56	Initial Hydro-static	
2	30.04	119.07	Open To Flow (1)	
30	77.39	123.50	Shut-In(1)	
89	1018.65	124.72	End Shut-In(1)	
90	82.59	124.66	Open To Flow (2)	
179	178.08	129.64	Shut-In(2)	
303	921.35	130.63	End Shut-In(2)	
305	2074.79	130.02	Final Hydro-static	

#### Recovery

Length (ft)	Description	Volume (bbl)
205.00	205.00 MW 60%w, 40%mw/oil spots through	
150.00 100%mud		0.74

#### Gas Rates

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

Printed: 2015.04.14 @ 08:23:28 Trilobite Testing, Inc Ref. No: 62268



**FLUID SUMMARY** 

Berexco, LLC. **21/1s/36w** 

2020 N. Bramlew ood **Judy #1-21** 

Wichita, KS 67206 Job Ticket: 62268 **DST#:2** 

ATTN: Bryan Bynog Test Start: 2015.04.13 @ 11:23:00

**Mud and Cushion Information** 

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft Viscosity: 42.00 sec/qt Cushion Volume: bbl

Water Loss: 6.80 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 900.00 ppm Filter Cake: 2.00 inches

#### **Recovery Information**

#### Recovery Table

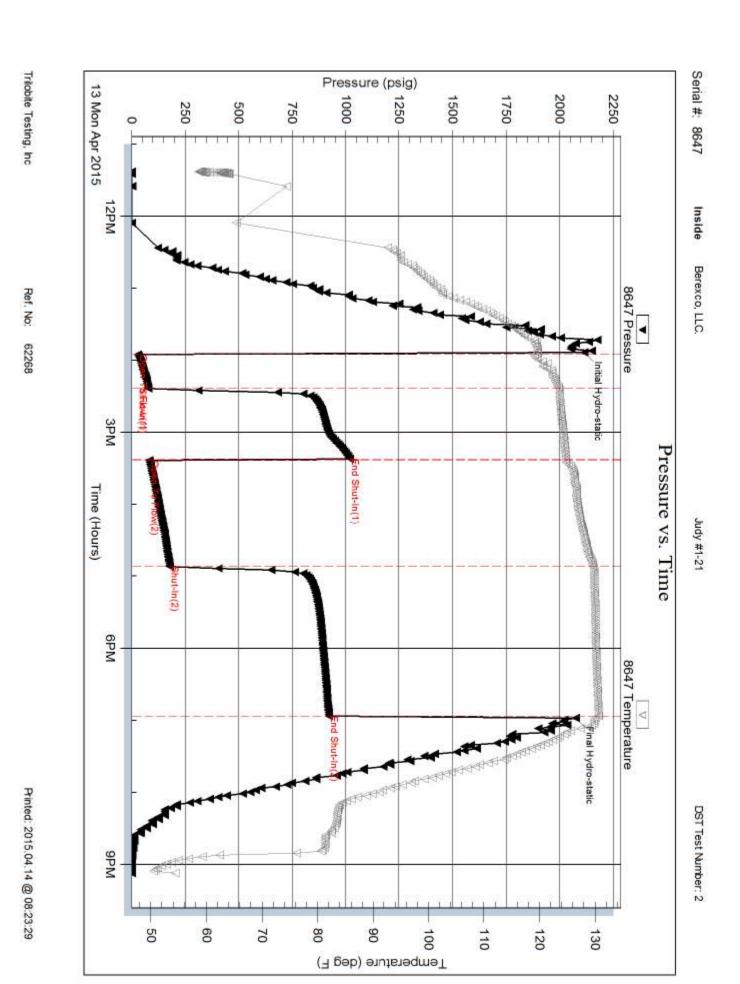
Length ft	Description	Volume bbl
205.00	MW 60%w, 40%mw/oil spots throughtout	1.008
150.00	100%mud	0.738

Total Length: 355.00 ft Total Volume: 1.746 bbl

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

Laboratory Name: Laboratory Location: Recovery Comments: RW .216 @ 56F Chlorides 42000 ppm

Trilobite Testing, Inc Ref. No: 62268 Printed: 2015.04.14 @ 08:23:29





Berexco, LLC.

2020 N. Bramblew ood Wichita, KS 67206

Test Start: 2015.04.14 @ 09:41:00

21/1s/36w

Judy #1-21

Tester:

Unit No:

Job Ticket: 62269

ATTN: Bryan Bynog

#### GENERAL INFORMATION:

Formation: LKC "D&E"

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

Time Tool Opened: 12:44:30 Time Test Ended: 19:05:00

Interval: 4315.00 ft (KB) To 4420.00 ft (KB) (TVD)

Total Depth: 4420.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3246.00 ft (KB)

Brandon Quintana

57

KB to GR/CF: 11.00 ft

DST#: 3

3235.00 ft (CF)

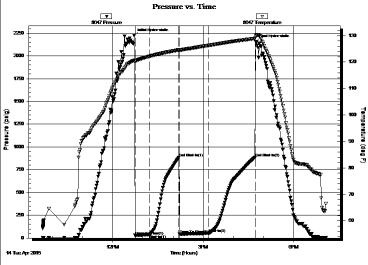
Serial #: 8647 Inside

Press@RunDepth: 4316.00 ft (KB) 8000.00 psig 55.39 psig @ Capacity:

Start Date: 2015.04.14 End Date: 2015.04.14 Last Calib.: 2015.04.14 Start Time: 09:41:01 End Time: 19:05:00 2015.04.14 @ 12:43:00 Time On Btm: Time Off Btm: 2015.04.14 @ 16:44:30

TEST COMMENT: 30 - IF - Opened w/surface blow, built to 3/4"

60 - ISI - No Return 60 - FF - No Blow 90 - FSI - No Return



	PRESSURE SUMMARY				
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2221.98	120.66	Initial Hydro-static	
	2	28.46	120.36	Open To Flow (1)	
	30	36.34	122.14	Shut-In(1)	
	89	885.98	124.59	End Shut-In(1)	
	90	41.78	124.46	Open To Flow (2)	
	149	55.39	126.29	Shut-In(2)	
,	240	885.20	128.86	End Shut-In(2)	
,	242	2152.13	129.75	Final Hydro-static	

DDECCLIDE CLIMMADY

#### Recovery

Length (ft)	Description	Volume (bbl)
58.00	,	
0.30		
<b>.</b>		

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

Trilobite Testing, Inc Ref. No: 62269 Printed: 2015.04.14 @ 20:07:54



Berexco, LLC. 21/1s/36w

2020 N. Bramblew ood Wichita, KS 67206

Judy #1-21

Job Ticket: 62269

Test Start: 2015.04.14 @ 09:41:00

DST#: 3

**GENERAL INFORMATION:** 

Formation: LKC "D&E"

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

Time Tool Opened: 12:44:30 Tester: Brandon Quintana

Time Test Ended: 19:05:00 Unit No: 57

Interval: 4315.00 ft (KB) To 4420.00 ft (KB) (TVD) Reference Elevations: 3246.00 ft (KB)

Total Depth: 4420.00 ft (KB) (TVD) 3235.00 ft (CF)

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

Serial #: 8372 Outside

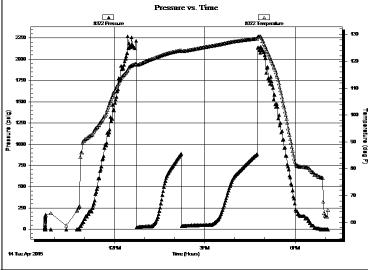
8000.00 psig Press@RunDepth: 4316.00 ft (KB) psig @ Capacity:

Start Date: 2015.04.14 End Date: 2015.04.14 Last Calib.: 2015.04.14

Start Time: 09:41:01 End Time: Time On Btm: 19:06:30 Time Off Btm:

TEST COMMENT: 30 - IF - Opened w/surface blow, built to 3/4"

60 - ISI - No Return 60 - FF - No Blow 90 - FSI - No Return



Р	RESSUR	RE SU	JMMAF	RY

	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
<b>=</b>				
Temperature (deg F)				
_				

#### Recovery

Length (ft)	Description	Volume (bbl)
58.00	58.00 OCM 90%m, 10%o 0.30 100%oil	
0.30		

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc. Ref. No: 62269 Printed: 2015.04.14 @ 20:07:54



**FLUID SUMMARY** 

Berexco, LLC.

2020 N. Bramblew ood Wichita, KS 67206 Judy #1-21

21/1s/36w

Job Ticket: 62269

DST#: 3

ATTN: Bryan Bynog

Test Start: 2015.04.14 @ 09:41:00

#### **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: 62.00 sec/qt Cushion Volume: bbl

Water Loss: 6.80 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1100.00 ppm Filter Cake: 2.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
58.00	OCM 90%m, 10%o	0.285
0.30	100%oil	0.001

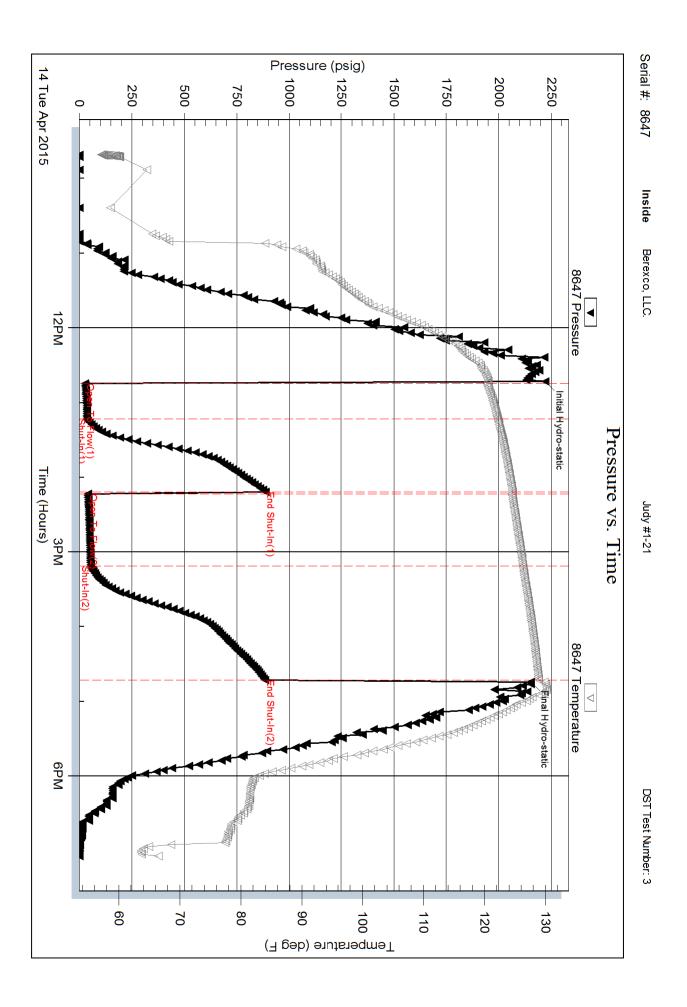
Total Length: 58.30 ft Total Volume: 0.286 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 62269 Printed: 2015.04.14 @ 20:07:55



Trilobite Testing, Inc

Ref. No: 62269

Printed: 2015.04.14 @ 20:07:55

# BEREXCO, LLC. JUDY #1-21 SENE SECTION 21 1S-36W RAWLINS COUNTY, KANSAS

**GEOLOGIST** WILLIAM B. BYNOG

#### RESUME

**OPERATOR:** 

BEREXCO, LLC.

WELL NAME & NUMBER:

JUDY #1-21

LOCATION:

SENE SECTION 21 1S-36W

COUNTY:

**RAWLINS** 

STATE:

**KANSAS** 

SPUD DATE: 4-7-2015

COMPLETION DATE: 4-16-2015

**ELEVATIONS:** 

GL: 3235

KB: 3246

CONTRACTOR:

**BEREDCO RIG 10** 

LOGS: LOG TECH

TYPES: RAG, MICROLOG

WELLSITE ENGINEER:

NONE

MUD COMPANY:

MORGAN MUD

MUD TYPE & ENGINEER:

FRESH CHEMICAL

GEOLOGIST:

WILLIAM B. BYNOG

HOLE SIZE:

7 7/8

MUD LOGGING BY:

**NONE** 

DRILL STEM TEST COMPANY:

TRILOBITE

DRILL STEM TEST:

DST#1 4140-4225, DST#2 4205-4335,

DST#3 4315-4420

WELL STATUS:

P & A

#### **DISCUSSION**

Judy #1-21 1S-36W was a wildcat drilled a total depth of 4550 feet testing the Lansing Kansas City in Rawlins County, Kansas. This well was drilled with the help of seismic data and well control, just west of East Fork field.

Structurally, Judy #1-21 came in 15 feet low to the prognosis and low to productive wells in the area.

As a result of running low there were either tight zones with fair shows or wet zones with fair porosity development.

There were minor shows of dead oil up hole in the lower Wabaunsee formation, not worthy of a drill stem test. The Lansing A zone was the first good show and was tested on drill stem test #1 recovering only 15 feet of drilling mud. The B and C zones were associated with a good drilling break and had fair sample shows, but tested 150 feet of oil spotted mud and 205 feet of muddy water on drill stem test #2. The D and E zones both had poor oil shows and were tested together on drill stem test #3 recovering only six inches of free oil and 58 feet of oil cut mud.

Logs agreed with sample evaluation recording fair porosity development but low resistive, porous zones indicating water or depleted reservoirs.

A decision was made to plug and abandon based on the poor drill stem test recoveries and log calculations.

3600-3720 SHALE red, soft, argillaceous, very silty in part

3720-30 LIMESTONE pale gray, hard, dense, dirty, sandy in part, poor porosity, no shows

3730-68 SHALE red, very soft, very argillaceous, some silty in part

**FORAKER** 

3768-96 LIMESTONE pale gray, buff, hard, abundant white, chalky, abundant Chert orn, poor vis porosity, no shows

3796-3811 LIMESTONE buff, slightly hard, slightly chalky, sandy in part, poor vis porosity, very spotty black dead stain, nfo

3811-3927 SHALE red, soft, very argillaceous

3927-3954 LIMESTONE white, buff, firm, chalky in part, slightly hard, blocky, poor porosity, no shows

3954-84 SHALE as above

**TOPEKA** 

3984-4012 LIMESTONE buff, white, hard, blocky, dense, crptoxln, abundant chalky in part abundant Chert tan, orange, poor porosity, no shows

4012-34 SANDSTONE white to pale red, friable, very fine grained, fair porosity, no shows with thin SHALE as above

4034-92 Shale red,maroon,firm,sil	ty with thin LIMEST	ΓΟΝΕ buff,hard, der	se,cprtoxln,no shows
OREAD			

4092-4110 LIMESTONE white, firm, micxln, chalky in part, slightly fossils, poor to fair micxln porosity, no shows

4110-50 LIMESTONE pale gray, very hard, dense, crptoxln, some Chert orange, no shows

4150-93 SHALE gray, gray green, gray black, firm, silty in part

LANSING A

4193-4198 LIMESTONE white, buff, slightly hard, slightly chalky, oolitic, poor intergranular porosity, spotty asphalt stain, fair cut, no free oil

4198-4210 LIMESTONE pale gray, very hard, dense, blocky, crptoxln, no shows

4210-20 SHALE red, soft, very argillaceous with thin SANDSTONE translucent, friable, very fine grained, poor to fair intergranular porosity, no shows

4220-44 SHALE red, soft, silty in part

В

4244-54 LIMESTONE white, firm, chalky, slightly oolitic, fair intergranular porosity, spotty thick black live oil stain, good cut, fair show thick oil

4254-70 LIMESTONE buff,hard,blocky,chalky in part,poor pinpoint vuggy porosity,very spotty live brown stain,good cut,no free oil abundant pyrite with thin SHALE as above
4270-80 SHALE green,gray green,red,firm,fissile with very thin LIMESTONE
4280-4308 SHALE red,soft,very argillaceous C
4308-15 LIMESTONE buff, slightly hard, slightly oolitic, poor to fair moldic porosity, spotty live brown stain, good cut, no free oil
4315-24 LIMESTONE buff,hard,blocky,crptxln,poor porosity,rare black dead stain
4324-54 SHALE red, firm, fissile
D
4354-70 LIMESTONE buff,very hard,dense,blocky,poor pinpoint vuggy porosity,very spotty live brown stain,fair cut,no free oil with thin SHALE as above
4370-96 Shale as above firm, fissile, some very argillaceous, gummy
E
4396-4400 LIMESTONE buff, slightly hard, fossils, chalky in part, poor molcic porosity, spotty live brown stain,

4400-10 LIMESTONE buff,very hard,dense,blocky,crptoxln,no shows
4410-36 SHALE red,firm,fissile,very silty in part F
4436-50 LIMESTONE buff,pale gray,very hard,dense,crptoxln,no shows
4450-70 LIMESTONE as above with abundant chalky, poor porosity, no shows, thin SHALE as above
4470-96 LIMESTONE as above chalky in part
4496-50 SHALE red, green, firm, fissile with thin LIMESTONE as above
RTD 4550'
LTD 4550'

## ALLIED OIL & GAS SERVICES, LLC 064703

Federal Tax I.D	. # 20-8651475
REMIT TO P.O. BOX 93999	SERVICE POINT:
SOUTHLAKE, TEXAS 76092	bakley,16
DATE 4-16-15 SEC. 21 TWP. 1 RANGE 36 C.	ALLED OUT ON LOCATION JOB START JOB FINISH
	rold N to AA ROENLESS KS
OLD OR NEW (Circle one)	
	5-278
CONTRACTOR Beredeo 10	OWNER Same
TYPE OF JOB	
HOLE SIZE 2/8 T.D. 4350	CEMENT 755 06 CHICASIZE
CASING SIZE DEPTH	AMOUNT ORDERED 255 56 6440, 420get
TUBING SIZE DEPTH  DRILL PIPE YY2 DEPTH 3/66'	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON@
MEAS, LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG.	GEL@
PERFS.	CHLORIDE@
DISPLACEMENT 37.91 661	ASC @ (COM)
EQUIPMENT	60/40/4 2555kg @18.82. 4824.60
	flo-sed 64#@ 227 190.08
PUMPTRUCK CEMENTER Lakene & Event	flo-sed 694 @ 227 190.08 Moderica Total @ 504.68
#422 HELPER Wayne Mc Chighy	11 10 10 10 10 10 10 10 10 10 10 10 10 1
BULK TRUCK	1005 00 14000
#818/287 DRIVER Darren Kacette	
BULK TRUCK # DRIVER	@
# DRIVER	HANDLING 27387 ft @ 298 679.20
	MILEAGE 1.44 for x 50 x 2,79 1573,00
REMARKS:	TOTAL
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MIX 100 8/9 23831	SERVIĈE
MIX 50 9/3 353/	2000000 21661
Phon M. S. 15 5/9	DEPTH OF JOB 3/66' PUMP TRUCK CHARGE 3650-47
Plea RH- 305/9	EXTRA FOOTAGE @
T No	MILEAGE MIHU 50@ 7.70 385,00
Moul you.	MANIFOLD @
r e	MICO 50@4,80 NC
Ø	
CHARGE TO: BENEXO CO	1 1 2 200 1
STREET	(2095.06/402) TOTAL 5,237.67
CITYSTATEZIP	PLUG & FLOAT EQUIPMENT
	2000 102 2011 12 2011
*	Woodan Dlug @ 110.00
To Allied Oil & Con Comings II C	
To: Allied Oil & Gas Services, LLC. You are hereby requested to rent comenting equipment	@
and furnish cementer and helper(s) to assist owner or	
contractor to do work as is listed. The above work was	(2111 x 1245)
done to satisfaction and supervision of owner agent or	TOTAL /10.00
contractor. I have read and understand the "GENERAL	
TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)
A	TOTAL CHARGES 10, 362, 35
PRINTED NAME GILLORY DAVIN JR	DISCOUNT 414194 (403) IF PAID IN 30 DAYS
EMINIED MAINE CANTALLY	DISCOUNT AND IN 30 DAYS
	Francis Buch



## CEMENTING LOG

STAGE NO.

Date 4 1 2 5 District October 5 Ticket No. 2 7 3 5 Find Company Best Company Best Company Best County State 5 Lease Vedey Well No. 2 1	Visit Line	IL & GAS SERVIC	JEO, IJEAJ					
Company Best Colors   Mile Mark   Mile   Mil	4-16-15 Nokla 6 - 64703					CEMENT DATA:		
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Site   View   View   Collect   Depth				/	<del></del> -	255	Excess	
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Ant Sta Yield 11/56 Density PPG WYER Lead gold/sk Tail gold/sk Total BBb.  Caling Depths Top. Bottom Process Used \$12.2 - Color State Stat	<b>~</b> :							
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		<u> X</u> }	WWV V					

PSI BUMP PLUG TO \_\_\_\_\_\_\_PSI BLEEDBACK \_\_\_

 BBLS. THANK YOU