KOLAR Document ID: 1358278

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
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.:		
Name:	Spot Description:		
Address 1:	SecTwpS. R East West		
Address 2:	Feet from North / South Line of Section		
City: State: Zip:+	Feet from		
Contact Person:	Footages Calculated from Nearest Outside Section Corner:		
Phone: ()	□NE □NW □SE □SW		
CONTRACTOR: License #	GPS Location: Lat:, Long:		
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
New Well Re-Entry Workover	Field Name:		
□ Oil □ WSW □ SWD	Producing Formation:		
Gas DH EOR	Elevation: Ground: Kelly Bushing:		
	Total Vertical Depth: Plug Back Total Depth:		
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet		
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?		
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet		
Operator:	If Alternate II completion, cement circulated from:		
Well Name:	feet depth to:w/sx cmt.		
Original Comp. Date: Original Total Depth:			
□ Deepening □ Re-perf. □ Conv. to EOR □ Conv. to SWD □ Plug Back □ Liner □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)		
	Chloride content: ppm Fluid volume: bbls		
Commingled Permit #:	Dewatering method used:		
Dual Completion Permit #:			
SWD Permit #:	Location of fluid disposal if hauled offsite:		
EOR Permit #:	Operator Name:		
GSW Permit #:	Lease Name: License #:		
	Quarter Sec TwpS. R		
Spud Date or Date Reached TD Completion Date or 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 Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II Approved by: Date:

KOLAR Document ID: 1358278

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	Type and Percent Additives			
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bridge Plug Bridge Plug Acid, Fracture, Shot, Cementing Squeeze Record Bottom Type Set At (Amount and Kind of Material Used)				Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	BAR B 1
Doc ID	1358278

All Electric Logs Run

Cement Bond Log
Dual Induction Log
Dual Compensated Porosity
Mircoresistivity

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	BAR B 1
Doc ID	1358278

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3596' - 3600'		3596' - 3600'
4	3557' - 3562'		3557' - 3562'
4	3498' - 3505'		3498' - 3505'

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	BAR B 1
Doc ID	1358278

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	269	Common	200	3% Calcium Chloride, 2% Gel
Production	7.875	5.5	15.5	3878	Lite	125	NA
Production	7.875	5.5	15.5	3878	ASC	250	2% Gel, 2% salt, 5# Gilsonite.
Production	7.875	5.5	15.5	3878	65/35 poz mix	200	4% gel



Berexco LLC

2020 N Bramblew ood

ATTN: Bryan Bynog

Wichita, Kansas

67206+1094

16/8S/23W/Graham

Bar B #1

Job Ticket: 64784

DST#: 1

8000.00 psig

Test Start: 2017.06.06 @ 19:06:00

GENERAL INFORMATION:

Formation: Oread

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:48:18 Time Test Ended: 10:36:47

Interval: 3310.00 ft (KB) To 3378.00 ft (KB) (TVD)

Total Depth: 3378.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney Unit No: 72 Hays/126

Reference Elevations: 2181.00 ft (KB)

2173.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 1108.41 psig @ Capacity: 3374.63 ft (KB)

Start Date: 2017.06.06 End Date: 2017.06.07 Last Calib.: 1899.12.30 Start Time: 19:07:23 End Time: 03:18:53 Time On Btm: 2017.06.06 @ 21:29:23

2017.06.07 @ 00:46:23 Time Off Btm:

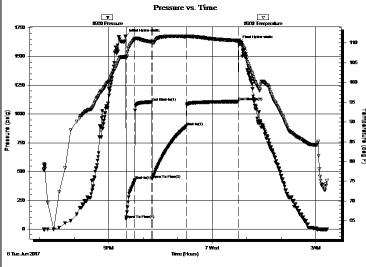
PRESSURE SUMMARY

TEST COMMENT: I.F. 15 Minutes/ Blow built to BOB in 2 minutes

> 30 Minutes/ No blow back LST

F.F. 60 Minutes/ Blow built to BOB in 3 minutes

90 Minutes/ No blow back F.S.I.



_	_	_	
lime	Pressure	lemp	Annotation
(Min.)	(psig)	(deg F)	
0	1673.62	106.50	Initial Hydro-static
1	85.63	106.08	Open To Flow (1)
16	425.01	110.89	Shut-ln(1)
46	1104.74	110.25	End Shut-In(1)
46	435.67	110.00	Open To Flow (2)
106	893.73	111.61	Shut-ln(2)
196	1108.41	110.56	End Shut-In(2)
197	1617.33	110.61	Final Hydro-static
	0 1 16 46 46 106 196	(Min.) (psig) 0 1673.62 1 85.63 16 425.01 46 1104.74 46 435.67 106 893.73 196 1108.41	(Min.) (psig) (deg F) 0 1673.62 106.50 1 85.63 106.08 16 425.01 110.89 46 1104.74 110.25 46 435.67 110.00 106 893.73 111.61 196 1108.41 110.56

Recovery

Length (ft)	Description	Volume (bbl)
1905.00	Muddy Water with show of oil	21.94
0.00	Mud 10% Water 90%	0.00

Gas Rat	es	
Choko (inohoo)	Drocoure (poig)	Coo Boto (Mof/d)

Printed: 2017.06.07 @ 11:38:05 Trilobite Testing, Inc. Ref. No: 64784



Berexco LLC

2020 N Bramblew ood

ATTN: Bryan Bynog

Wichita, Kansas

67206+1094

16/8S/23W/Graham

Bar B #1

Job Ticket: 64784

DST#: 1

Test Start: 2017.06.06 @ 19:06:00

GENERAL INFORMATION:

Formation: Oread

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 04:48:18 Tester: Ken Sw inney Time Test Ended: 10:36:47 Unit No: 72 Hays/126

Interval: 3310.00 ft (KB) To 3378.00 ft (KB) (TVD)

Total Depth: 3378.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair Reference Elevations: 2181.00 ft (KB)

> 2173.00 ft (CF) KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press@RunDepth: 3373.63 ft (KB) Capacity: 8000.00 psig psig @

Start Date: 2017.06.06 End Date: 2017.06.07 Last Calib.: 1899.12.30

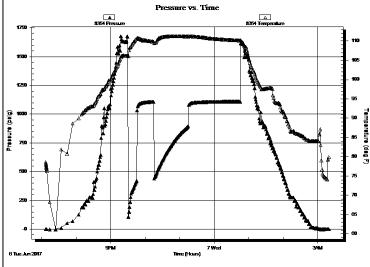
Start Time: 19:07:24 End Time: Time On Btm: 03:18:54 Time Off Btm:

TEST COMMENT: I.F. 15 Minutes/ Blow built to BOB in 2 minutes

> 30 Minutes/ No blow back LST

F.F. 60 Minutes/ Blow built to BOB in 3 minutes

F.S.I. 90 Minutes/ No blow back



Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	

Recovery

Length (ft)	Description	Volume (bbl)
1905.00	Muddy Water with show of oil	21.94
0.00	Mud 10% Water 90%	0.00

Gas Rates

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

Printed: 2017.06.07 @ 11:38:05 Trilobite Testing, Inc. Ref. No: 64784



FLUID SUMMARY

Berexco LLC

2020 N Bramblew ood

ATTN: Bryan Bynog

Wichita, Kansas

67206+1094

16/8S/23W/Graham

Bar B #1

Job Ticket: 64784

DST#:1

Test Start: 2017.06.06 @ 19:06:00

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: 18000 ppm

Viscosity: 48.00 sec/qt Cushion Volume: bbl

Water Loss: 7.99 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1500.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

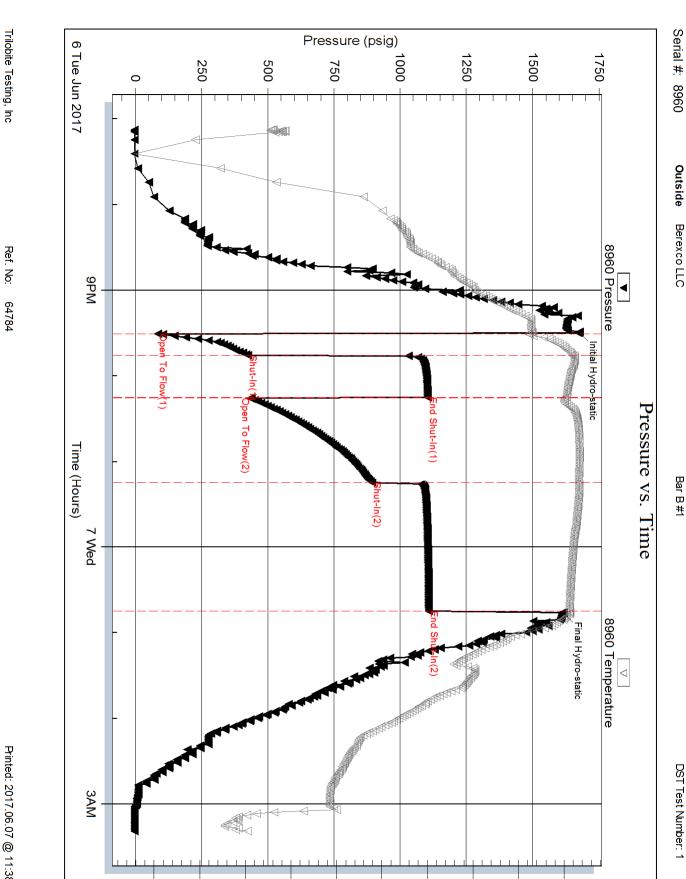
Length ft	Description	Volume bbl
1905.00	Muddy Water with show of oil	21.940
0.00	Mud 10% Water 90%	0.000

Total Length: 1905.00 ft Total Volume: 21.940 bbl

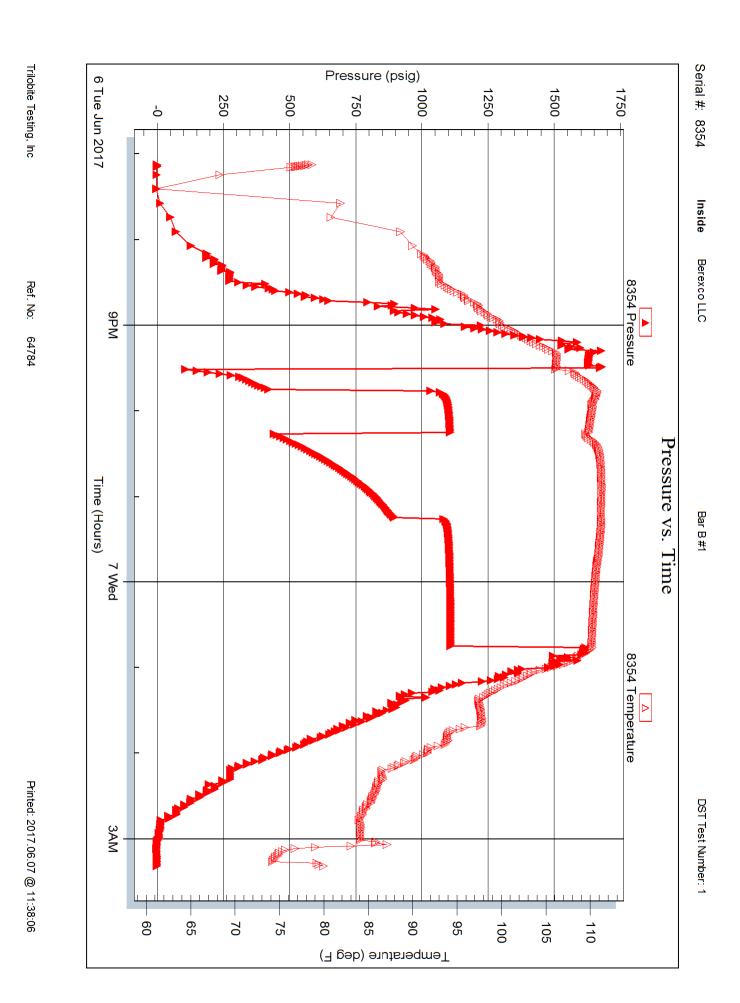
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location: Recovery Comments: Recovery Resistivity .33 ohms @ 79 deg.

Trilobite Testing, Inc Ref. No: 64784 Printed: 2017.06.07 @ 11:38:06



Temperature (deg F)





Berexco LLC

16/8S/23W/Graham

Bar

2020 N Bramblew ood Wichita, Kansas 67206+1094

ATTN: Bryan Bynog Test Start: 2017.

Bar B #1

Job Ticket: 64785 **DST#:2**

Test Start: 2017.06.08 @ 01:32:00

GENERAL INFORMATION:

Formation: LKC B

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

Time Tool Opened: 03:48:30 Tester: Ken Sw inney
Time Test Ended: 09:16:30 Unit No: 72 Hays/ 126

 Interval:
 3440.00 ft (KB) To
 3460.00 ft (KB) (TVD)
 Reference Elevations:
 2181.00 ft (KB)

Total Depth: 3460.00 ft (KB) (TVD) 2173.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press@RunDepth: 261.05 psig @ 3462.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2017.06.08
 End Date:
 2017.06.08
 Last Calib.:
 2017.06.08

 Start Time:
 01:32:05
 End Time:
 09:16:29
 Time On Btm:
 2017.06.08 @ 03:47:30

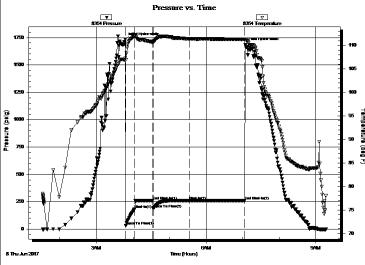
 Time Off Btm:
 2017.06.08 @ 07:04:30

TEST COMMENT: I.F. 15 Minutes/ Blow built to BOB in 8 minutes

I.S.I. 30 Minutes/ No blow back

F.F. 60 Minutes/ Blow built to 8 inches in 20 minutes then died by 50 minutes

F.S.I. 90 Minutes/ No blow back



		PI	RESSUR	E SUMMARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1731.40	107.26	Initial Hydro-static
	1	32.91	106.96	Open To Flow (1)
	16	184.17	111.93	Shut-In(1)
7	45	260.82	110.60	End Shut-In(1)
mp	46	187.88	110.55	Open To Flow (2)
Temperature (deg F)	105	261.05	111.42	Shut-In(2)
(d e g	196	261.27	111.29	End Shut-In(2)
Ε)	197	1682.84	111.24	Final Hydro-static

Recovery

Description	Volume (bbl)
MW with show of oil Mud 30% Water 7	091.99
SOCMW Oil 2% Mud 48% Water 50%	0.59
	MW with show of oil Mud 30% Water 7

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

Trilobite Testing, Inc Ref. No: 64785 Printed: 2017.06.08 @ 13:16:21



Berexco LLC

2020 N Bramblew ood

ATTN: Bryan Bynog

Wichita, Kansas

67206+1094

16/8S/23W/Graham

Bar B #1

Job Ticket: 64785

DST#: 2

2181.00 ft (KB)

Test Start: 2017.06.08 @ 01:32:00

GENERAL INFORMATION:

Formation: LKC B

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

Time Tool Opened: 03:48:30 Tester: Ken Sw inney
Time Test Ended: 09:16:30 Unit No: 72 Hays/ 126

Interval: 3440.00 ft (KB) To 3460.00 ft (KB) (TVD) Reference ⊟evations:

Total Depth: 3460.00 ft (KB) (TVD) 2173.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 260.25 psig @ 3463.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2017.06.08
 End Date:
 2017.06.08
 Last Calib.:
 2017.06.08

 Start Time:
 01:32:05
 End Time:
 09:16:29
 Time On Btm:
 2017.06.08 @ 03:47:30

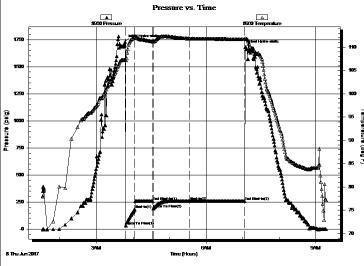
 Time Off Btm:
 2017.06.08 @ 07:04:30

TEST COMMENT: I.F. 15 Minutes/ Blow built to BOB in 8 minutes

I.S.I. 30 Minutes/ No blow back

F.F. 60 Minutes/ Blow built to 8 inches in 20 minutes then died by 50 minutes

F.S.I. 90 Minutes/ No blow back



		Г	\L330I\	L SUIVIIVIAITI
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1729.29	107.45	Initial Hydro-static
	1	32.55	107.22	Open To Flow (1)
	16	183.54	112.29	Shut-In(1)
4	45	259.49	111.18	End Shut-In(1)
e dine	46	188.83	111.12	Open To Flow (2)
Temperature (deg F)	106	258.75	111.84	Shut-In(2)
(d eg	196	260.25	111.70	End Shut-In(2)
)	197	1680.41	111.90	Final Hydro-static

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
404.00	MW with show of oil Mud 30% Water 7	091.99
120.00	SOCMW Oil 2% Mud 48% Water 50%	0.59

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

Trilobite Testing, Inc Ref. No: 64785 Printed: 2017.06.08 @ 13:16:21



FLUID SUMMARY

Berexco LLC

2020 N Bramblew ood

Wichita, Kansas

67206+1094

16/8S/23W/Graham

Bar B #1

Job Ticket: 64785

DST#: 2

ATTN: Bryan Bynog Test Start: 2017.06.08 @ 01:32:00

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: 21000 ppm

Viscosity: 44.00 sec/qt Cushion Volume: bbl

Water Loss: 8.78 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 2000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

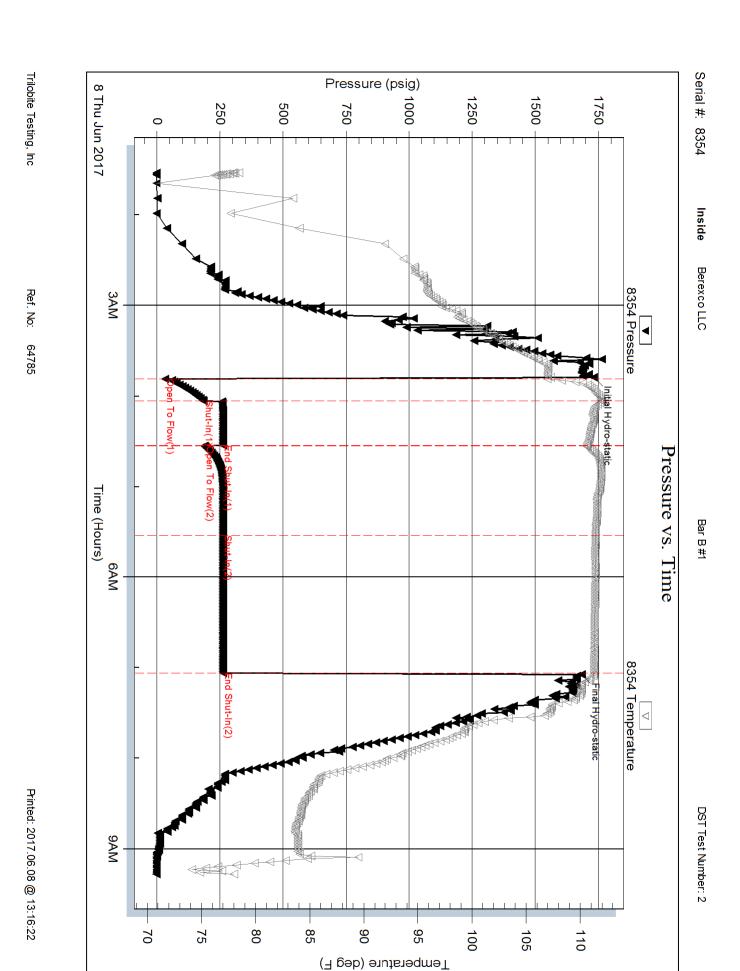
Length ft	Description	Volume bbl
404.00	MW with show of oil Mud 30% Water 70%	1.987
120.00	SOCMW Oil 2% Mud 48% Water 50%	0.590

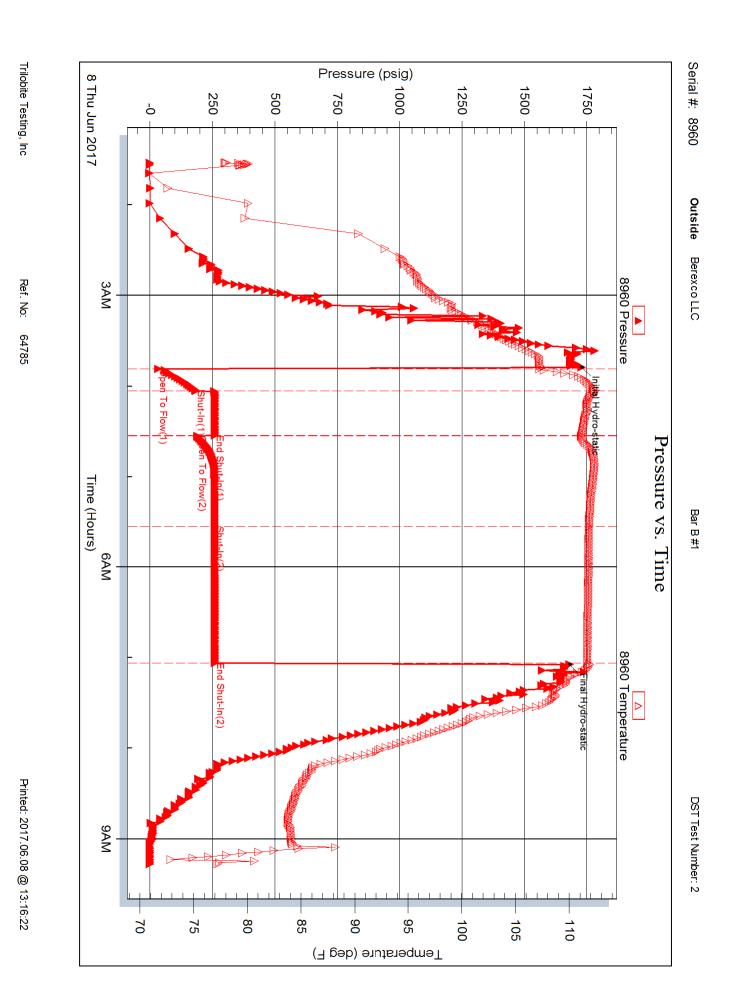
Total Length: 524.00 ft Total Volume: 2.577 bbl

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

Laboratory Name: Laboratory Location: Recovery Comments: Recovery Resistivity .31ohms @ 70 deg.

Trilobite Testing, Inc Ref. No: 64785 Printed: 2017.06.08 @ 13:16:22







Berexco LLC

2020 N Bramblew ood

ATTN: Bryan Bynog

Wichita, Kansas

67206+1094

16/8S/23W/Graham

Bar B #1

Job Ticket: 64786

DST#: 3

Test Start: 2017.06.08 @ 19:46:00

GENERAL INFORMATION:

Formation: Lansing/Kansas City

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 21:58:30 Tester: Ken Sw inney Time Test Ended: 03:35:00 Unit No: 72 Hays/126

Reference Elevations: Interval: 3480.00 ft (KB) To 3496.00 ft (KB) (TVD)

2181.00 ft (KB) Total Depth: 3496.00 ft (KB) (TVD) 2173.00 ft (CF)

KB to GR/CF: 8.00 ft

Hole Diameter: 7.80 inches Hole Condition: Fair

Serial #: 8354 Inside

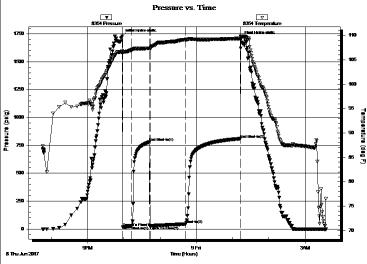
Press@RunDepth: 3492.00 ft (KB) Capacity: 44.61 psig @ 8000.00 psig

Start Date: 2017.06.08 End Date: 2017.06.09 Last Calib.: 2017.06.09 Start Time: 19:46:05 End Time: 03:34:59 Time On Btm: 2017.06.08 @ 21:57:30 2017.06.09 @ 01:14:00 Time Off Btm:

TEST COMMENT: IF

15 Minutes/ Blow built to 1 1/2 inches 30 Minutes/ No blow back LST 60 Minutes/ Blow built to 3 inches F.F.

90 Minutes/ No blow back F.S.I.



	PRESSURE SUMMARY			
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1726.96	106.87	Initial Hydro-static
	1	17.47	106.51	Open To Flow (1)
	16	24.75	107.03	Shut-In(1)
	45	780.39	107.38	End Shut-In(1)
	47	27.37	107.36	Open To Flow (2)
	105	44.61	109.16	Shut-In(2)
,	195	809.03	109.39	End Shut-In(2)
,	197	1711.12	109.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oily Mud/ Oil 20% Mud 80%	0.30
5.00	Clean Oil 100%	0.02

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

Trilobite Testing, Inc. Ref. No: 64786 Printed: 2017.06.09 @ 07:36:15



Berexco LLC

2020 N Bramblew ood

ATTN: Bryan Bynog

Wichita, Kansas

67206+1094

16/8S/23W/Graham

Bar B #1

Job Ticket: 64786

DST#: 3

Test Start: 2017.06.08 @ 19:46:00

GENERAL INFORMATION:

Formation: Lansing/Kansas City

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

Time Tool Opened: 21:58:30 Tester: Ken Sw inney
Time Test Ended: 03:35:00 Unit No: 72 Hays/126

Interval: 3480.00 ft (KB) To 3496.00 ft (KB) (TVD)

Total Depth: 3496.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 2181.00 ft (KB)

 $\begin{array}{ccc} & 2173.00 & \text{ft (CF)} \\ \text{KB to GR/CF:} & 8.00 & \text{ft} \end{array}$

Serial #: 8960 Outside

Press@RunDepth: 806.68 psig @ 3493.00 ft (KB) Capacity: 8000.00 psig

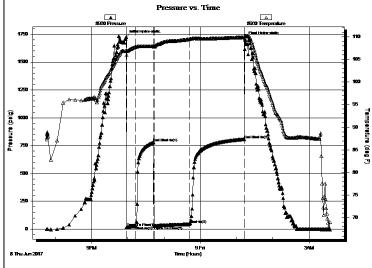
 Start Date:
 2017.06.08
 End Date:
 2017.06.09
 Last Calib.:
 2017.06.09

 Start Time:
 19:46:05
 End Time:
 03:34:59
 Time On Btm:
 2017.06.08 @ 21:57:30

 Time Off Btm:
 2017.06.09 @ 01:14:00

TEST COMMENT: I.F. 15 Minutes/ Blow built to 1 1/2 inches

I.S.I. 30 Minutes/ No blow back
F.F. 60 Minutes/ Blow built to 3 inches
F.S.I. 90 Minutes/ No blow back



		PI	RESSUR	RE SUMMARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1724.62	107.00	Initial Hydro-static
	1	16.53	105.95	Open To Flow (1)
	16	28.12	107.72	Shut-In(1)
.	45	778.07	107.91	End Shut-In(1)
	47	28.86	107.79	Open To Flow (2)
	105	43.74	109.46	Shut-In(2)
	195	806.68	109.85	End Shut-In(2)
,	197	1709.15	110.05	Final Hydro-static

Gas Rates

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oily Mud/ Oil 20% Mud 80%	0.30
5.00	Clean Oil 100%	0.02

Cas rai		
Choko (inohoo)	Drocouro (poig)	Coo Roto (Mof/d)

Trilobite Testing, Inc Ref. No: 64786 Printed: 2017.06.09 @ 07:36:15



FLUID SUMMARY

ppm

Berexco LLC

Wichita, Kansas

67206+1094

2020 N Bramblew ood

ATTN: Bryan Bynog

16/8S/23W/Graham

Job Ticket: 64786

Bar B #1

DST#: 3

Test Start: 2017.06.08 @ 19:46:00

Water Salinity:

Mud and Cushion Information

Cushion Type: 30 deg API Mud Type: Gel Chem Oil API:

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: bbl

50.00 sec/qt Cushion Volume:

Water Loss: 7.60 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

1000.00 ppm Salinity: Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Oily Mud/ Oil 20% Mud 80%	0.295
5.00	Clean Oil 100%	0.025

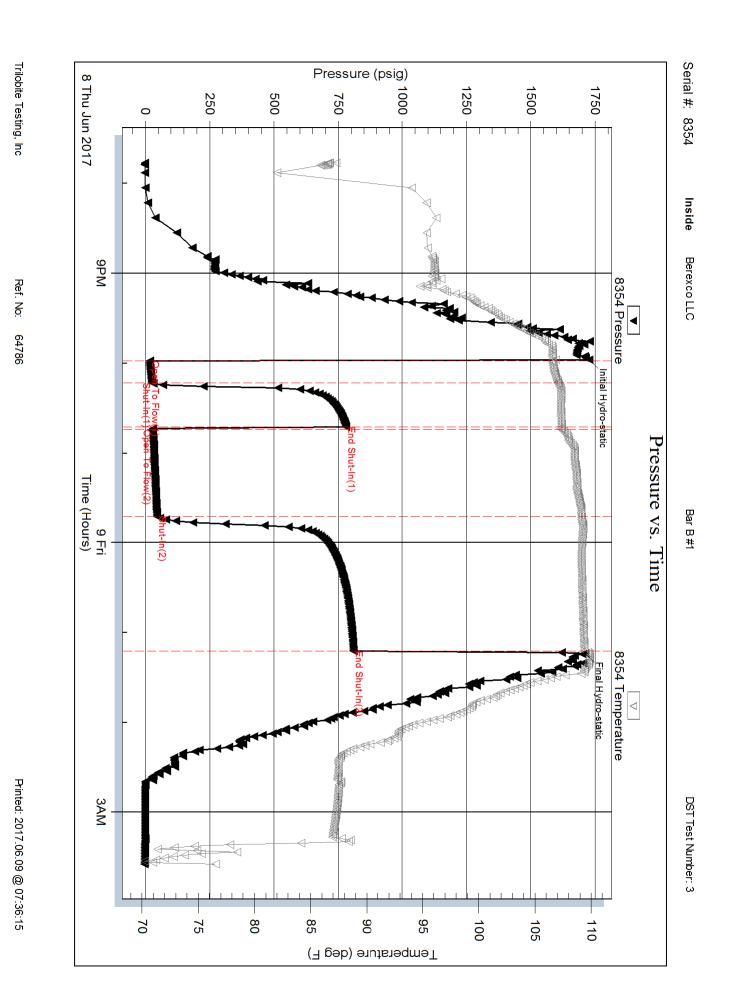
Total Length: 65.00 ft Total Volume: 0.320 bbl

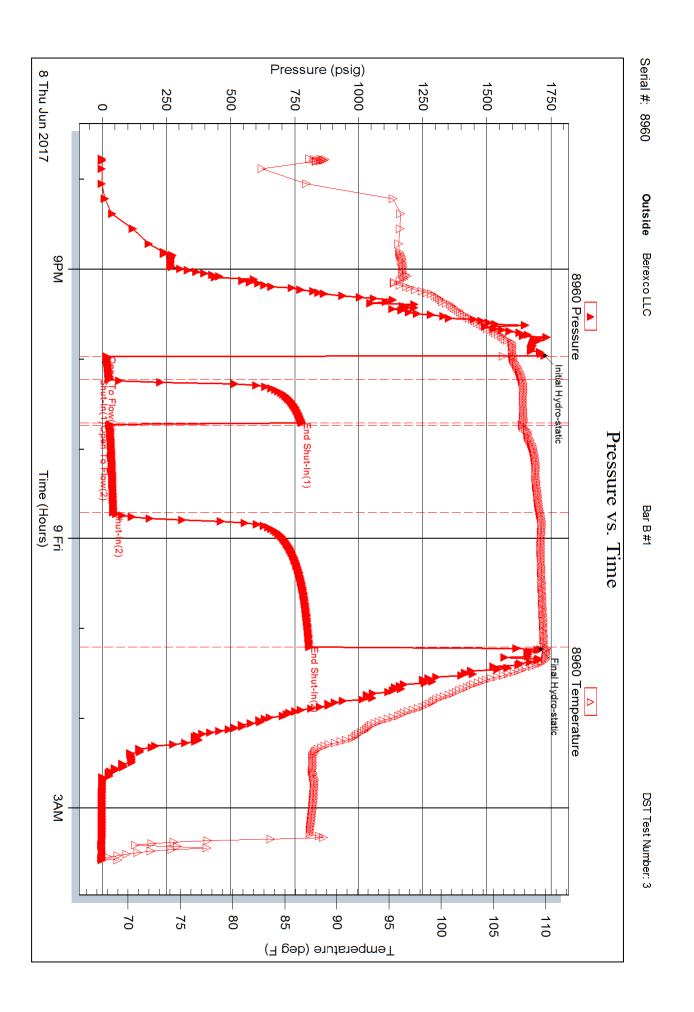
Num Fluid Samples: 0 Num Gas Bombs: Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Printed: 2017.06.09 @ 07:36:15 Trilobite Testing, Inc Ref. No: 64786





Trilobite Testing, Inc

Ref. No:

64786

Printed: 2017.06.09 @ 07:36:15



Berexco LLC

2020 N Bramblew ood

ATTN: Bryan Bynog

Wichita, Kansas

67206+1094

16/8S/23W/Graham

Bar B #1

Job Ticket: 64787

DST#: 4

Test Start: 2017.06.09 @ 22:27:00

GENERAL INFORMATION:

Formation: Lansing/KansasCity z

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

Time Tool Opened: 01:12:00 Time Test Ended: 07:15:30

Interval: 3530.00 ft (KB) To 3605.00 ft (KB) (TVD)

Total Depth: 3605.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Tester: Ken Sw inney
Unit No: 72 Hays/126

Reference Elevations: 2181.00 ft (KB)

 $\begin{array}{ccc} & 2173.00 & \text{ft (CF)} \\ \text{KB to GR/CF:} & 8.00 & \text{ft} \end{array}$

Serial #: 8354 Inside

Press@RunDepth: 276.86 psig @ 3601.26 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2017.06.09
 End Date:
 2017.06.10
 Last Calib.:
 2017.06.10

 Start Time:
 22:27:05
 End Time:
 07:15:30
 Time On Btm:
 2017.06.10 @ 01:11:00

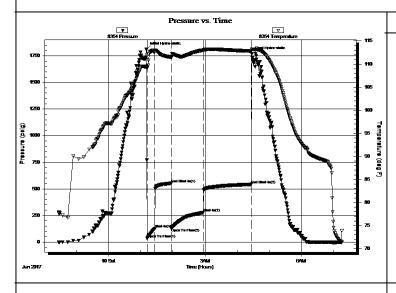
 Time Off Btm:
 2017.06.10 @ 04:27:30

TEST COMMENT: I.F. 15 Minutes/ Blow built to 11 inches

I.S.I. 30 Minutes/ No blow back

F.F. 60 Minutes/ Blow built to BOB in 34 minutes

F.S.I. 90 Minutes/ No blow back



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1812.15	109.50	Initial Hydro-static
1	32.71	109.09	Open To Flow (1)
16	125.63	112.75	Shut-In(1)
46	552.21	111.51	End Shut-In(1)
46	132.17	111.29	Open To Flow (2)
106	276.86	113.00	Shut-In(2)
196	542.46	112.83	End Shut-In(2)
197	1768.78	113.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	Gas&Oil cut Muddy Water	2.36
0.00	Gas 10% Oil 10% Mud 40% Water 40%	0.00
120.00	Gas&Oil cut Muddy Water	1.27
0.00	Gas 5% Oil 10% Mud 25% Water 60%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 64787 Printed: 2017.06.10 @ 18:21:00



FLUID SUMMARY

Berexco LLC

16/8S/23W/Graham

2020 N Bramblew ood Wichita. Kansas

67206+1094

Job Ticket: 64787

Bar B #1

DST#: 4

ATTN: Bryan Bynog

Test Start: 2017.06.09 @ 22:27:00

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: 21000 ppm

Viscosity: 52.00 sec/qt Cushion Volume: bbl

Water Loss: 7.59 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	Gas&Oil cut Muddy Water	2.361
0.00	Gas 10% Oil 10% Mud 40% Water 40%	0.000
120.00	Gas&Oil cut Muddy Water	1.273
0.00	Gas 5% Oil 10% Mud 25% Water 60%	0.000

Total Length: 600.00 ft Total Volume: 3.634 bbl

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

Laboratory Name: Laboratory Location: Recovery Comments: Recovery Resistivity .30 ohms @ 72 deg

Trilobite Testing, Inc Ref. No: 64787 Printed: 2017.06.10 @ 18:21:00

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln REMIT TO SERVICE POINT: Russell, KS 67665 10 Cel RANGE ON LOCATION JOB START CALLED OUT JOB FINISH COUNTY STATE LEASE OLD OR NEW (CIRCLE ONE) CONTRACTOR OWNER TYPE OF JOB HOLE SIZE T.D. CEMENT CASING SIZE DEPTH AMOUNT ORDERED TUBING SIZE DEPTH DRILL PIPE DEPTH TOOL DEPTH PRES. MAX MINIMUM COMMON @ MEAS. LINE SHOE JOINT POZMIX @ CEMENT LEFT IN CSG. GEL_ @ PERFS CHLORIDE @ DISPLACEMENT @ EOUIPMENT @ @ PUMP TRUCK CEMENTER @ HELPER @ BULK TRUCK @ DRIVER @ **BULK TRUCK** @ DRIVER @ HANDLING @ MILEAGE TOTAL REMARKS: SERVICE DEPTH OF JOB _ PUMP TRUCK CHARGE_ EXTRA FOOTAGE_____ MILEAGE ____ @ MANIFOLD -@ @ @ CHARGE TO: TOTAL __ STATE __ PLUG & FLOAT EQUIPMENT Global Oil Field Services, LLC You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to @ do work as is listed. The above work was done to satisfaction @ and supervision of owner agent or contractor. I have read and (a) understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. TOTAL _ PRINTED NAME SALES TAX (If Any) TOTAL CHARGES ___ SIGNATURE

DISCOUNT

IF PAID IN 30 DAYS

WO FILE BARB

GLOBAL OIL FIELD SERVICES, LLC

2976

24 S. Lincoln **REMIT TO** SERVICE POINT: Russell, KS 67665 TWP. CALLED OUT ON LOCATION JOB START JOB FINISH SEC. RANGE DATE (0-12-17 COUNTY LOCATION OLD OR NEW (CIRCLE ONE) OWNER CONTRACTOR TYPE OF JOB T.D. 3900 HOLE SIZE CEMENT CASING SIZE 5 DEPTH 3,978 AMOUNT ORDERED 2005 HEAVY TUBING SIZE DEPTH DRILL PIPE DEPTH TOOL DV DEPTH 1837" PRES. MAX MINIMUM MEAS. LINE (ATCH DOWN COLLAR 3792 SHOE JOINT 30086 POZMIX (a)_ CEMENT LEFT IN CSG. 94 @_ PERFS CHLORIDE _ @_ DISPLACEMENT EOUIPMENT PUMP TRUCK CEMENTER BEAG HELPER JASON **BULK TRUCK** # 378 DRIVER K (a) **BULK TRUCK** (a), DRIVER To @ HANDLING_ MILEAGE TOTAL REMARKS: Duma 125 5x 617E Pump plus w 40 BBL 40050 Ky BBL MUD, my 206 en MEAUN SERVICE 1,000 @ 1500 PSI, HOLD PAGES, DROP DART, DOOM TOTAL AND FOR MASS AND 2005 DEPTH OF JOB __ ranger Anne House mother to the month of the PUMP TRUCK CHARGE_ monormality of the standing of the second EXTRA FOOTAGE_____ MODO COMPOSION DU TAOL WOULD NOT GREWI MILEAGE __ @__ FLUG RAT HOLE + mouse HALE 51/2 HEAD MANIFOLD -_ @ _ _ @ CHARGE TO: BEREXCO TOTAL -CITY _____STATE ____ZIP __ PLUG & FLOAT EQUIPMENT Global Oil Field Services, LLC 10 You are hereby requested to rent cementing equipment and _ @ TUPBO furnish cementer and helper(s) to assist owner or contractor to BASKET do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. TOTAL _ PRINTED NAME SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT

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IF PAID IN 30 DAYS

SIGNATURE

GLOBAL OIL FIELD SERVICES, LLC

2999

REMIT TO

24 S. Lincoln Russell, KS 67665

SERVICE POINT:

DATE 1-18-17	SEC.	TWP.	RANGE		CALLED C	TUC	ON LOCATION	JOB START	JOB FINISH
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DISPLACEMENT					AS	C		@	
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CHARGE TO: STREET CITY Global Oil Field Stou are hereby req	STATE Services, I	LLC ent cemer	2 co.adn	Ma CR	DE) PUI EX: MHI	MP TRUCK TRA FOOT LEAGE ANTOLD	B_CHARGE_AGE_CKUPTRUCI	EERVICE @ @ @ TOTA OAT EQUIPME	750 - 60 - 720 L 930
CHARGE TO: CITY Global Oil Field Stou are hereby requirish cementer and	STATE Services, I uested to red helper(s) the state of t	LLC ent cemer to assist on	nting equipm	nent and	DE) PUI EX: MHI	MP TRUCK TRA FOOT EEAGE AMFOLD /	B_CHARGE_AGE_CKUPTRUCI	EERVICE	750 30 730 L 930
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