Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1201669

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 East 🗌 West
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:	+ Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
	Field Name:
New Well Re-Entry Workove	Producing Formation:
	SIOW Elevation: Ground: Kelly Bushing:
	IGW Total Vertical Depth: Plug Back Total Depth:
	emp. Abd. Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
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 ENHR Cor	v. to SWD Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv.	v. to Producer (Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Caud Data as Data Data Data Data D	Quarter Sec. Twp. S. R. East West
Spud Date or Date Reached TD Completion Recompletion Date Recompletion Recompletion	

AFFIDAVIT

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

Submitted Electronically

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

	Page Two	1201669
Operator Name:	Lease Name:	Well #:
Sec TwpS. R □ East □ West	County:	
INCTRUCTIONS. Chaw important tang of formations papetrated Da	hail all aaroo Danart all f	inal agniag of dvill atoms toots giving interval tootad, time tool

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken	e etc)	Yes No	L	og Formatio	on (Top), Depth and	d Datum	Sample
(Attach Additional Sh Samples Sent to Geolog	,	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		on, 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 Percent Additives
		ADDITIONAL	CEMENTING / SQL	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment	on this well?		Yes	No (If No, skip	o questions 2 an	d 3)
		Iraulic fracturing treatment ex				question 3)	
Was the hydraulic fracturing	g treatment informatio	n submitted to the chemical of	lisclosure registry?	Yes	No (If No, fill o	out Page Three of	of the ACO-1)

					e	F			Depth
Siz	e:	Set At	:	Packe	r At:	Liner R		No	
d Productio	on, SWD or ENH	۶.	Producing Meth		ping	Gas Lift	Other (Explain)		
	Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
ION OF G	AS:		Ň	IETHOD (OF COMPLE	TION:		PRODUCTION IN	TERVAL:
			Open Hole	Perf.		CO-5)	Commingled (Submit ACO-4)		
1	ION OF G	Size: Size: Droduction, SWD or ENHF Oil Bb	Specify Footage of Size: Set At Size: Set At Oil Bbls. ION OF GAS: d Used on Lease	Specify Footage of Each Interval Periods Size: Set At: Size: Set At: OProduction, SWD or ENHR. Producing Meth Flowing Oil Bbls. Gas ION OF GAS: OPen Hole Open Hole	Specify Footage of Each Interval Perforated Size: Set At: Packer Size: Set At: Packer Oroduction, SWD or ENHR. Producing Method: Flowing Pump Oil Bbls. Gas Mcf ION OF GAS: METHOD of d Used on Lease	Size: Set At: Packer At: d Production, SWD or ENHR. Producing Method: Image: Display transformed by the set of the set	Specify Footage of Each Interval Perforated Specify Footage of Each Interval Perforated Size: Size: Set At: Production, SWD or ENHR. Production, SWD or ENHR. Production SWD or ENHR. Oil Bbls. Gas METHOD OF COMPLETION: d Used on Lease Open Hole Perf. Dually Comp. (Submit ACO-5)	Specify Footage of Each Interval Perforated (Amount and Kind Image: Specify Footage of Each Interval Perforated (Amount and Kind Image: Specify Footage of Each Interval Perforated (Amount and Kind Size: Set At: Packer At: Liner Run: Size: Set At: Packer At: Liner Run: Image: Specify Footage of Each Interval Perforated Image: Specify Footage of Each Interval Perforated Size: Set At: Packer At: Liner Run: Image: Specify Footage of Each Interval Perforated Yes Image: Specify Footage of Each Interval Perforated Size: Set At: Packer At: Liner Run: Image: Specify Footage of Each Interval Perforated Id Production, SWD or ENHR. Producing Method: Image: Specify Footage of Each Interval Perforated Other (Explain) Oil Bbls. Gas Mcf Water Bbls. ION OF GAS: Image: Method Interval Perf. Image: Dually Comp. Commingled (Submit ACO-4) Image: Method Interval Image: Perf. Image: Dually Comp. Commingled (Submit ACO-4)	Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) (Amount and Kind of Material Used) Size: Set At: Size: Set At: Packer At: Liner Run: Yes No I Production, SWD or ENHR. Producing Method: Flowing Pumping Gas Mcf Water Bbls. Gas Mcf Vater Bbls. Gas: METHOD OF COMPLETION: Used on Lease Open Hole Open Hole Perf. Dually Comp. Commingled (Submit ACO-5) Commingled Commingled

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	Beaver-Toll Unit 1-18
Doc ID	1201669

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.875	23	262	common	3%cc, 2%gel

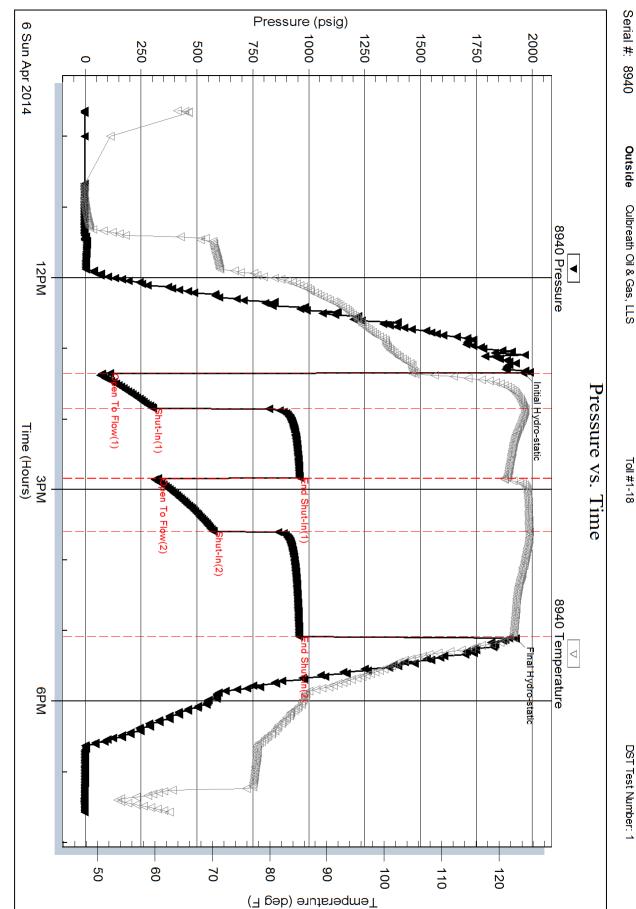
	ILOBITE	DRILL STEM TE	S	TREP	ORT				
		Culbreath Oil & Gas, LLS			18-	9s-25w	Grah	am, KS	
	ESTING , INC.	1552 OT CONA AVC.			То	II #1-18			
		Tulsa, Ok 74120			Job	Ticket: 57	7515	DST	#:1
		ATTN: Steve Murphy			Tes	t Start: 20	014.04.	06 @ 09:38:00	0
GENERAL INFOR	RMATION:								
Formation: LI Deviated: N Time Tool Opened: 13 Time Test Ended: 19	3:21:00	ft (KB)			Tes	ter:	Conver Phillip G 73	ntional Bottom Gage	Hole (Initial)
	3864.00 ft (KB) (T	8 64.00 ft (KB) (TVD) /D) e Condition: Fair			Ref	erence Ele KB t	evation: to GR/C	2587.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8940 Press@RunDepth: Start Date: Start Time: TEST COMMENT	Outside 573.89 psig 2014.04.06 09:38:05 . 30-IF-BOB in 7 n 60-ISI-1/4" Retur 45-FF-BOB in 6	End Date: End Time: nins n	:	2014.04.06 19:34:15	Capacity Last Cali Time On Time Off	b.: Btm: :		8000. 2014.04. 4.06 @ 13:20: 4.06 @ 17:06:	45
	90-FSI-No Return Pressure vs. 1	n	-	Time	Pl Pressure	RESSUF Temp		IMMARY notation	
2000	ji Alexandra		æ	(Min.)	(psig)	(deg F)			
1750			ю	0 1	1959.39 110.39	105.40 104.76		Hydro-static To Flow (1)	
1500			0	31	302.98	124.38			
1230			Temp	90 90	956.37 325.31			Shut-In(1) To Flow (2)	
B. 1000			iperature (deg F)	135	573.89	125.26			
500 500 500 500 500 500 500 500 500 500			•	225 226	956.19 1926.35	122.54 121.81		Shut-In(2) Hydro-static	
0	274 374 Time (Hours)								
	Recovery					Ga	s Rate	es	
Length (ft)	Description	Volume (bbl)				Choke (i	nches)	Pressure (psig)	Gas Rate (Mcf/d)
	5%m, 95%w , w ith o				_	_			
	CW, 5%o, 40%m, 5								
5.00 O, 10	0%0	0.07							

DKILLE STEWTTEST REPORT FLUD S Outbreath Oil & Gas, LLS 18-99-25w Graham, KS Culbreath Oil & Gas, LLS 18-99-25w Graham, KS Tulsa, Ok 74120 Job Ticket: 57515 ATTN: Steve Murphy Test Start: 2014.04.06 @ 09:38:00 Mud and Cushion Information Cushion Type: Oil API: Mud veight: 9.00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 63.00 sec/qt Cushion Volume: bbl Water Salinity: Viscosity: 1500.00 ppm Gas Cushion Type: Recovery Table Recovery Information Recovery Table Total Length Description Volume 1008.00 MW, 5%m, 95%w, with oil spots 13.866 252.00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 0, 100%o 0.070 Total Length 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Name: Laboratory Name:	1 deg API ppm
Tulsa, Ok 74120 Job Ticket: 57515 DST#: 1 ATTN: Steve Murphy Test Start: 2014.04.06 @ 09:38:00 Mud and Cushion Information Test Start: 2014.04.06 @ 09:38:00 Mud Type: Gel Chem Oil API: Mud Weight: 9.00 lb/gal Cushion Type: Oil API: Viscosity: 63.00 sec/qt Cushion Volume: bbl Water Loss: 6.40 in ³ Gas Cushion Type: Besistivity: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1500.00 ppm Eterory Table Eecovery Table Length Description Volume 1008.00 MW, 5%m, 95%w, with oil spots 13.866 252.00 SOMCW, 5%o, 40%m, 55%w 3.635 5.00 0, 100%o 0.070 Total Length: 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	deg API
ATTN: Steve Murphy Test Start: 2014.04.06 @ 09:38:00 Mud and Cushion Information Mud Yape: Gel Chem Cushion Type: Oil API: Mud Veight: 9:00 lb/gal Cushion Length: ft Water Salinity: Mud Veight: 9:00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 63:00 sec/qt Cushion Volume: bbl Water Loss: 6:40 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1500:00 ppm Filter Cake: inches Ecovery Table Length Description Volume 1008:00 MW, 5%m, 95%w, with oil spots 13.866 252:00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 0, 100%o 0.070 Mur Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	deg API
Mud and Cushion Information Mud Type: Gel Chem Cushion Type: Oil API: Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: Mud Veight: 9.00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 63.00 sec/qt Cushion Volume: bbl Water Loss: 6.40 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1500.00 ppm Filter Cake: inches recovery Table Ecovery Table Length Description Volume bbl Mud Samples: 0 Num Gas Bombs: 0 Serial #:	-
Mud Type: Gel Chem Cushion Type: Oil API: Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 63.00 sec/qt Cushion Volume: bbl Water Loss: 6.40 in ³ Gas Cushion Type: Besistivity: ohm.m Gas Cushion Pressure: psig Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1500.00 pm Filter Cake: inches recovery Information Recovery Table Image: Source State Sta	-
Wurd Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 63.00 sec/qt Cushion Volume: bbl Water Loss: 6.40 in ³ Gas Cushion Type: Bbl Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1500.00 ppm Endth Endth Filter Cake: inches Recovery Table Covery Table Length Description Volume 1008.00 MW, 5%m, 95%w, with oil spots 13.866 252.00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 0, 100%o 0.070 Total Length: 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	-
Viscosity: 63.00 sec/qt Cushion Volume: bbl Nater Loss: 6.40 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1500.00 ppm Filter Cake: inches Recovery Information Recovery Table Length Description Volume ft Description Volume bbl 1008.00 MW, 5%m, 95%w, with oil spots 13.866 252.00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 O, 100%o 0.070 Total Length: 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	ppm
Water Loss: 6.40 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1500.00 ppm inches ft Recovery Information Volume ft Description Volume bbl 1008.00 MW, 5%m, 95%w, with oil spots 13.866 252.00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 0, 100%o 0.070 Total Length: 1265.00 ft Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	
Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 1500.00 ppm inches seider of the sector of	
Salinity: 1500.00 ppm Filter Cake: inches Recovery Information Recovery Table Length Description Volume ft Description Volume bbl 1008.00 MW, 5%m, 95%w, with oil spots 13.866 252.00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 O, 100%o 0.070 Total Length: 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	
Filter Cake: inches Recovery Information Recovery Table Length Description Volume bbl 1008.00 MW, 5%m, 95%w, with oil spots 13.866 252.00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 O, 100%o 0.070 Total Length: 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	
Recovery TableLength ftDescriptionVolume bbl1008.00MW, 5%m, 95%w, with oil spots13.866252.00SOMCW, 5%o, 40%m, 55%w3.5355.00O, 100%o0.070Total Length:1265.00 ftTotal Volume:17.471 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #:	
Length ft Description Volume bbl 1008.00 MW, 5%m, 95%w, with oil spots 13.866 252.00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 O, 100%o 0.070 Total Length: 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Serial #:	
ft bbl 1008.00 MW, 5%m, 95%w, with oil spots 13.866 252.00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 O, 100%o 0.070 Total Length: 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Serial #:	
252.00 SOMCW, 5%o, 40%m, 55%w 3.535 5.00 O, 100%o 0.070 Total Length: 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Serial #:	
5.00O, 100%o0.070Total Length:1265.00 ftTotal Volume:17.471 bblNum Fluid Samples:0Num Gas Bombs:0Serial #:	
Total Length: 1265.00 ft Total Volume: 17.471 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	
Recovery Comments: .34 @ 58 degrees = 44,000 Salinity	

Printed: 2014.04.06 @ 23:15:50

Ref. No: 57515





Toll #1-18

Culbreath Oil & Gas, LLS

DST Test Number: 1

	DRILL STEM TES	TREP	ORT		
RILOBITE	Culbreath Oil & Gas, LLS		18-9	9s-25w	Graham, KS
ESTING , INC.	1532 S Peoria Ave. Tulsa, Ok 74120			 #1-18 Ticket: 57	7516 DST#:2
	ATTN: Steve Murphy		Test	Start: 20	014.04.07 @ 14:18:00
GENERAL INFORMATION:					
Formation:LKC "I,J"Deviated:NoWhipstock:Time Tool Opened:19:36:45Time Test Ended:23:12:30	ft (KB)		Test Test Unit	er: I	Conventional Bottom Hole (Reset) Phillip Gage 73
Interval:4002.00 ft (KB) To40Total Depth:4036.00 ft (KB) (T\Hole Diameter:7.88 inches Hole	/D)		Refe	erence Ele KB t	evations: 2592.00 ft (KB) 2587.00 ft (CF) to GR/CF: 5.00 ft
Serial #: 8940 Outside					
Press@RunDepth: 19.09 psig Start Date: 2014.04.07	End Date:	2014.04.07	Capacity: Last Calib	o.:	8000.00 psig 2014.04.07
Start Time: 14:18:05	End Time:	23:12:30	Time On E Time Off I		2014.04.07 @ 19:36:15 2014.04.07 @ 21:38:15
TEST COMMENT: 30-IF-Built to 3/8' 30-ISI-No Return 30-FF-No Blow 30-FSI-No Returr		1			
Pressure vs. T	ime Transa				
BND Presure BND P	Biol Temporate The first of the second of t	Time (Min.) 0 1 30 60 61 91 122 122	Pressure (psig) 2044.18 16.37 17.42 32.45 17.49 19.09 27.77 2007.48		Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2)
Recovery				Ga	s Rates
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pressure (psig) Gas Rate (Mcf/d)
5.00 M, 100% m	0.02				
* Recovery from multiple tests					

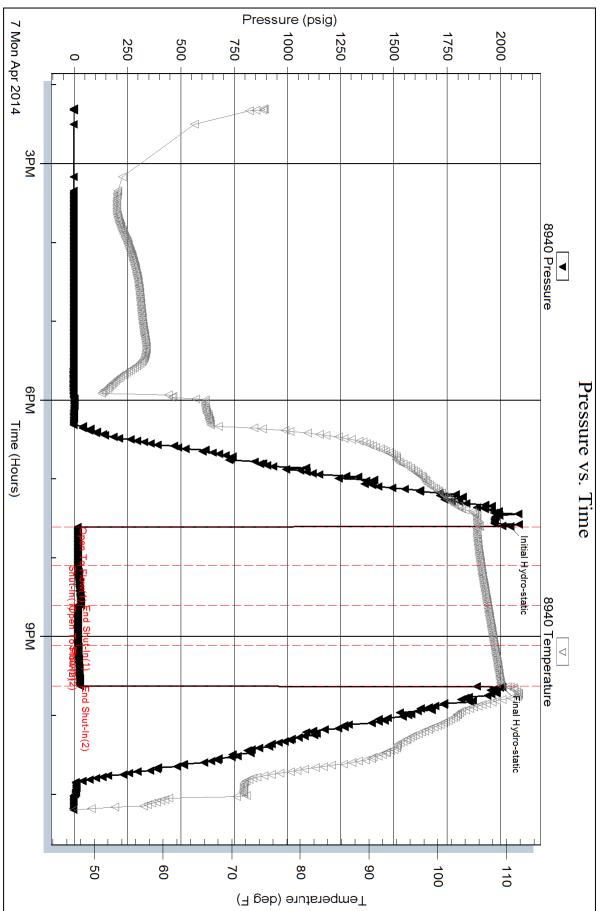
(On-		DRI	ILL STEM TEST R	REPORT	-		FLUID S	UMMARY
	RILOBITE	Culbrea	ath Oil & Gas, LLS		18-9s-25w	Graham,	KS	
	ESTING , INC.		S Peoria Ave. Ok 74120		Toll #1-18			
					Job Ticket: 5		DST#:2	
		ATTN:	Steve Murphy		Test Start: 2	2014.04.07 @	14:18:00	
Mud and Cu	ushion Information							
• •	el Chem		Cushion Type:			Oil A PI:		deg API
Mud Weight:	10.00 lb/gal		Cushion Length:		ft bbl	Water Salinity	/:	ppm
Viscosity: Water Loss:	59.00 sec/qt 6.80 in³		Cushion Volume: Gas Cushion Type:		IDDI			
Resistivity:	ohm.m		Gas Cushion Pressure	:	psig			
Salinity:	3300.00 ppm							
Filter Cake:	inches							
Recovery Ir	iformation		Recovery Table					
	Lengt ft	th	Description		Volume bbl			
		5.00	M, 100% m		0.025	5		
	Total Length:	5	5.00 ft Total Volume:	0.025 bbl				
	Num Fluid Samp Laboratory Nam Recovery Comn	ne:	Num Gas Bombs: Laboratory Location	0 n:	Serial #			

Printed: 2014.04.08 @ 04:10:27

Ref. No: 57516

Trilobite Testing, Inc





Outside Culbreath Oil & Gas, LLS

Serial #: 8940

Toll #1-18

DST Test Number: 2

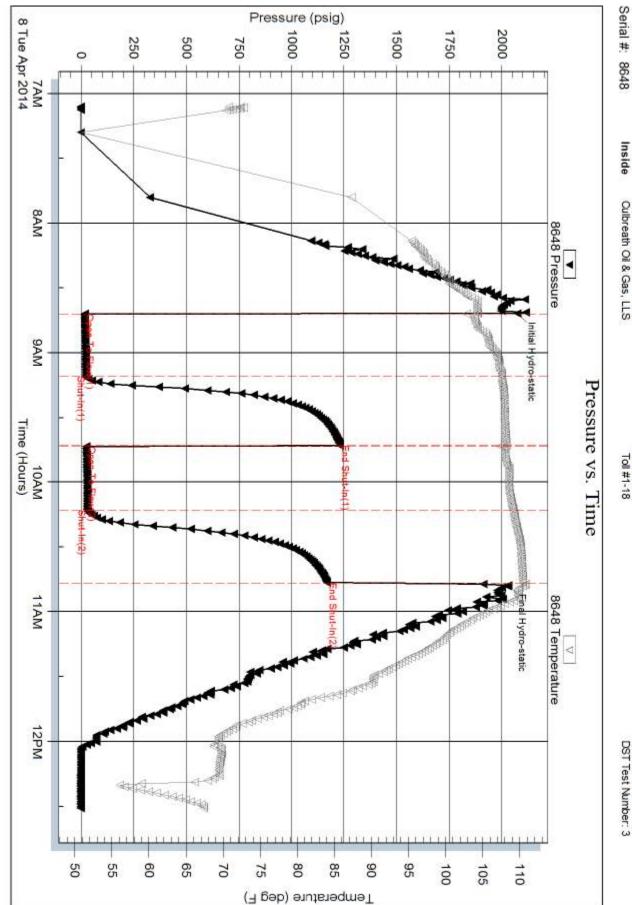
	DRILL STEM TES	T REP	ORT		
	Culbreath Oil & Gas, LLS		18-9s-	-25w Grahan	n, KS
ESTING , INC	1532 S Peoria Ave. Tulsa, Ok 74120		Toll #		
				ket: 56099	DST#:3
. North C	ATTN: Steve Murphy		Test St	art: 2014.04.08	@ 07:08:00
GENERAL INFORMATION:					
Formation: LKC "K" Deviated: No Whipstock: Time Tool Opened: 08:42:00 Time Test Ended: 12:30:45	ft (KB)		Test Ty Tester: Unit No	Cody Bloe	nal Bottom Hole (Reset) dorn
Interval: 4032.00 ft (KB) To 40 Total Depth: 4060.00 ft (KB) (T\ 10 Hole Diameter: 7.88 inchesHole 10			Refere	nce Elevations: KB to GR/CF:	2592.00 ft (KB) 2587.00 ft (CF) 5.00 ft
Serial #:8648InsidePress@RunDepth:29.86 psigStart Date:2014.04.08Start Time:07:06:05	 4057.00 ft (KB) End Date: End Time: 	2014.04.08 12:30:44	Capacity: Last Calib.: Time On Btn Time Off Btr		8000.00 psig 2014.04.08 3 @ 08:41:45 3 @ 10:47:45
TEST COMMENT: 30 - IF- 3/4" blow 30 - ISI- No returi 30 - FF- Surface 30 - FSI- No returi	n : blow				
Pressure vs. T T 808 Pressure	ime ⊽ 806 Tempaniure			SSURE SUM	
SOB Presure 1000	BOR Temporator 100 100 100 100 100 100 100 10	Time (Min.) 0 1 30 61 62 92 125 125 126	(psig) (c 2074.04 1 16.81 1 23.37 1 1230.99 1 25.09 1 29.86 1 1171.28 1	Femp Annota deg F) Initial Hyd 104.32 Initial Hyd 102.88 Open To 107.58 Shut-In(1 108.18 End Shut 107.39 Open To 109.13 Shut-In(2 110.45 End Shut 110.65 Final Hyd	dro-static Flow (1)) :-In(1) Flow (2) ?) :-In(2)
Recovery				Gas Rates	
Length (ft) Description 10.00 Mud - with spots of oil, 7	Volume (bbl) 100%M 0.05			Choke (inches) Pres	ssure (psig) Gas Rate (Mcf/d)

	DRILL STEM TEST REPORT FLUID SUMMARY					
RILOBITE	Culbreath Oil & Gas, LLS 18-9			FLUID SUMMARY 9s-25w Graham, KS		
TESTING INC						
		Peoria Ave. Dk 74120	Toll #1-18			
			Job Ticket: 5		Γ#:3	
	ATTN:	Steve Murphy	Test Start: 2	2014.04.08 @ 07:06:0	0	
Mud and Cushion Information						
Mud Type: Gel Chem Mud Weight: 10.00 lb/gal		Cushion Type: Cushion Length:	ft	Oil API: Water Salinity:	deg API	
Viscosity: 59.00 sec/qt		Cushion Volume:	bbl	Water Samily.	ppm	
Water Loss: 6.80 in ³		Gas Cushion Type:	551			
Resistivity: ohm.m		Gas Cushion Pressure:	psig			
Salinity: 3300.00 ppm						
Filter Cake: inches						
Recovery Information		Recovery Table				
Lengt	h	Description	Volume	Т		
ft		-	bbl			
	10.00	Mud - with spots of oil, 100%M	0.049	9		
Total Length:		00 ft Total Volume: 0.049 bbl				
Num Fluid Sampl		Num Gas Bombs: 0	Serial #	ŧ		
Laboratory Nam Recovery Comm		Laboratory Location:				
	onto.					

Printed: 2014.04.08 @ 14:12:08

Ref. No: 56099





Toll #1-18

Inside

Oulbreath Oil & Gas, LLS

DST Test Number: 3

GLOBAL CEMENTING, L.L.C.

1285

REMIT TO	18048 170RD RUSSELL, KS 67665		SER	VICE POINT:	ussell us	
41.7.1	4 SEC. 18 TWP. 9	RANGE 7	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
DATE 4-2-1 Toll		<i>d</i>)			S. JOPA COUNTY	STATE
LEASE Unit	WELL #. 1 - 18	LOCATION			Graham	tes
OLD OR NEW	(CIRCLE ONE)					
CONTRACTOR	American Eagle		OWNER		J	
TYPE OF JOB	surface J	2/0				
HOLE SIZE	T.I.	D. 162 PTH 257	CEMENT	775	r com 3	2%666
TUBING SIZE		PTH	AMOUNT ORD	PERED	R COPT S	1000
DRILL PIPE		PTH	<u>Croger</u>			Contraction of the second
TOOL	DE	PTH				
PRES. MAX		NIMUM	COMMON		@	
MEAS. LINE		OE JOINT	POZMIX		@	
CEMENT LEFT IN	CSG. $20+4$		GEL		@	
PERFS	100611		A REAL PROPERTY OF A READ REAL PROPERTY OF A REAL P		@	
DISPLACEMENT	EQUIPMENT		ASC		@	
	EQUITMENT				@	
PUMP TRUCK	CEMENTER //eath		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		@ @	
# P1	HELPER Cody				@	
BULK TRUCK	0				@	1
# B3	DRIVER FILC				@	
BULK TRUCK					@	
#	DRIVER				@	
			HANDLING		@	
	REMARKS:		MILEAGE		TOTAL	
Ran 6 Its	of 8% casing a	and lording,	(.l.m	9EI	RVICE	
Est Circu	lation			311	WICE	
throld an	a Day & Difference	1. A. A. A.	DEPTH OF JOB			
also bla	Tol The st cen	ient and	PUMP TRUCK O			
234 00	I OF A LO		EXTRA FOOTA		@	
(ement)	Ind Circulate +	o surface.			@	
	- 1/ // /	1 /			0	
CHARGE TO:	ulbreath Oil &	Gas				
STREET					TOTAL	
	STATE ZIF					
CITY	STATE ZIF			PLUG & FLO	AT EQUIPMEN	Т
Global Cementi		ting agains 1				
	requested to rent cemen		· · · · · · · · · · · · · · · · · · ·		@	
	er and helper(s) to assist ov sted. The above work was					
	of owner agent or contract					
understand the	"GENERAL TERMS AN	ND CONDITIONS"			(a)	
listed on the rev					TOTAL	
	1	<u> </u>			IOIAL	
PRINTED NAME	A 11 1	β	SALES TAX (If	Any)		
(/t	a mallerial &	diller 1				
SIGNATURE	Marthall (MAL	TOTAL CHARG	ES		

.

DISCOUNT_____ IF PAID IN 30 DAYS



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Culbreath Oil & Gas Co., Inc. 1532 South Peoria Avenue Tulsa, OK 74120 INVOICE

Invoice Number: 142487 Invoice Date: Apr 9, 2014 Page: 1

Cu	Istomer ID	Field Ticket #	Paym	ent Terms	
	Cul	55215	Net 30 Days		
Jol	b Location	Camp Location Service Date		Due Date	
	KS2-03	Russell Apr 9, 2014		5/9/14	
Quantity	Item	Descriptio	on	Unit Price	Amount
1.00	WELLNAME	Toll Unit #1-18			
205.00	CEMENT MATERIALS	60/40 Blend		15.30	3,136.50
205.00	CEMENT SERVICE	Cubic Feet Charge		2.48	508.40
442.50	CEMENT SERVICE	Ton Mileage Charge		2.60	1,150.50
1.00	CEMENT SERVICE	Plug to Abandon		2,249.84	2,249.84
50.00	CEMENT SERVICE	Light Vehicle Mileage		4.40	220.00
100.00	CEMENT SERVICE	Heavy Vehicle Mileage		7.70	770.00
		8-5/8 Wooden Plug		110.00	110.00
		Robert Yakubovich			

	Subtotal	8,145.24
ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED	Sales Tax	602.75
	Total Invoice Amount	8,747.99
THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF	Payment/Credit Applied	
	TOTAL	8,747.99
\$ 1,607.05		

ONLY IF	PAID ON (OR BEFORE
	Apr 9, 20	14

1.00EQUIPMENT OPERATORNathan Donner1.00OPERATOR ASSISTANTJesse Cozart

ALLIED OIL & GAS SERVICES, LLC 055215 Federal Tax 1.D.# 20-5975804

CALLED OUT ON LOCATION CALLED OUT ON LOCATION CALLED OUT ON LOCATION 2 N E IN TO OWNER	JOB START JOB FINISH 16:30 AA IIIIO COUNTY STATE Granam ICS
2NEINto	COUNTY STATE Graham ICS
OWNER	
CEMENT	
AMOUNT ORDERED 20	5 6%10 490 gol
COMMON	(Q)
POZMIX	@ :
GEL	@
_ CHLORIDE	
	@ 15.30 3136.50
140 regermine 200	@
- 6	
-	_@
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- HANDLING 205 st	@2.48 508,40
MILEAGE 443,50 +/m	2.60 1150,50
Q59,00 103.	TOTAL 4795,40
SERVI	CE.
DEPTH OF IOB	2260
PUMP TRUCK CHARGE	2249.84
EXTRA FOOTAGE	@
	@ 4.40 220,00
	@ 7.70 : 770.00
100 40215	@ 1.10 . 110.00
1 10 000 202	TOTAL 3239,84
- 641.4102000	
PLUG & FLOAT	EQUIPMENT
8% Wooden plug	@ 110.00 110.00
	_@
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·····	_@
	TOTAL 110.00
TOTAL CHARGES \$145.2	.4
DISCOUNT 1607.0.5	
18153019	
nct \$ 6538,19	
nct \$ 6538,19	
nct# 6538,19	
	COMMON POZMIX GEL CHLORIDE ASC $E940$ $41/egr$ 1_{mix} 205 $E940$ $41/egr$ 1_{mix} 205 HANDLING 205 <u>sk</u> MILEAGE 443 <u>50</u> \neq/m 957,082,2020 SERVIO DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE <u>SO L. V.M.T</u> MANIFOLD 100 $HVMT647,978,2020PLUG & FLOAT857x$ $Wooden plugDEPTH OF JOBPLUG & FLOAT$