CORRECTION #1

Kansas Corporation Commission Confidentiality Requested: OIL & GAS CONSERVATION DIVISION Yes No

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 🗌 Wes			
Address 2:			Feet from North / South Line of Section			
City: Sta	ate: Zi	p:+	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-l	Entry	Workover	Field Name:			
	_		Producing Formation:			
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground: Kelly Bushing:			
☐ Gas ☐ D&A	GSW	Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:			
CM (Coal Bed Methane)	dow	remp. Abu.	Amount of Surface Pipe Set and Cemented at: Fe			
Cathodic Other (Core,	Expl., etc.);		Multiple Stage Cementing Collar Used? Yes No			
If Workover/Re-entry: Old Well Info			If yes, show depth set: Fe			
Operator:			If Alternate II completion, cement circulated from:			
Well Name:			feet depth to:w/sx cn			
Original Comp. Date:			, , , , , , , , , , , , , , , , , , ,			
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Management Plan			
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from the Reserve Pit)			
Comming to d	Dawesit #		Chloride content: ppm Fluid volume: bb			
<ul><li>Commingled</li><li>Dual Completion</li></ul>			Dewatering method used:			
SWD			Location of fluid disposal if hauled offsite:			
☐ ENHR			Location of haid disposal in hadred offsite.			
☐ GSW			Operator Name:			
_			Lease Name: License #:			
Spud Date or Date Read	ched TD	Completion Date or	Quarter Sec TwpS. R East We			
Recompletion Date		Recompletion Date	County: Permit #:			

#### **AFFIDAVIT**

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

Submitted Electronically

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



CORRECTION #1			
rage me	1358340		

Operator Name:			Lease Name:			_ Well #:	
Sec Twp	S. R [	East West	County:				
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 Yes No (Attach Additional Sheets)			og Formatio	on (Top), Depth a	and Datum	Sample	
Samples Sent to Geolo	ogical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING	RECORD □ Ne	ew Used			
			-conductor, surface, inte		ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONA	L CEMENTING / SQL	 JEEZE RECORD			
Purpose: Depth Type of Cement		# Sacks Used	# Sacks Used Type and Percent Additives				
Perforate Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraul Does the volume of the to Was the hydraulic fracturing	tal base fluid of the hydra	ulic fracturing treatment e			No (If No, s	kip questions 2 ar kip question 3) Il out Page Three	•
Shots Per Foot	Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		d Depth				
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No	)	
Date of First, Resumed F	Production, SWD or ENHF	R. Producing Me		Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil Bb	ols. Gas	Mcf Wate	er B	bls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:		METHOD OF COMPLE			PRODUCTIO	ON INTERVAL:
Vented Sold	Used on Lease	Open Hole	Perf. Dually (Submit )		mmingled mit ACO-4)		
(If vented, Sub	mit ACO-18.)	Other (Specify) _			—		

Form	ACO1 - Well Completion		
Operator	Culbreath Oil & Gas Company, Inc.		
Well Name	Dewey Trust 2-7 A		
Doc ID	1358340		

## All Electric Logs Run

CND	
DIL	
Micro	
Dev	

Form	ACO1 - Well Completion		
Operator	Culbreath Oil & Gas Company, Inc.		
Well Name	Dewey Trust 2-7 A		
Doc ID	1358340		

## Tops

Name	Тор	Datum
Anhy	2936	+310
B Anhy	2974	+272
Lansing	4131	-885
ВКС	4378	-1132
Marmaton	4414	-1168
Pawnee	4500	-1254
Fort Scott	4554	-1308
Cherokee	4575	-1329

Form	ACO1 - Well Completion		
Operator	Culbreath Oil & Gas Company, Inc.		
Well Name	Dewey Trust 2-7 A		
Doc ID	1358340		

## 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	345	Common	350	3%gel, 2% cc
Production	7.875	5.5	13	4894	Acon	625	3%gel, 2%cc

## **Summary of Changes**

Lease Name and Number: Dewey Trust 2-7 A

API/Permit #: 15-153-21143-00-00

Doc ID: 1358340

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	08/28/2015	06/26/2017
Completion Or Recompletion Date	07/11/2015	08/06/2015
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=12 60012	//kcc/detail/operatorE ditDetail.cfm?docID=13 58340



Confidentiality Requested:

Yes No

## Kansas Corporation Commission Oil & Gas Conservation Division

1260012

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

# CONFIDENTIAL WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15		
Name:	Spot Description:		
Address 1:	SecTwpS. R		
Address 2:	Feet from North / South Line of Section		
City:	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.xxxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
New Well Re-Entry Workover			
□ Oil □ WSW □ SWD □ SIOW	Producing Formation:		
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:		
OG GSW Temp. Abd.	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? Yes No		
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 ☐ Conv. to SWD	Drilling Fluid Management Plan		
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)		
Coverning alord Paymeit #	Chloride content: ppm Fluid volume: bbls		
Commingled Permit #:	Dewatering method used:		
SWD Permit #:	Location of fluid disposal if hauled offsite:		
ENHR Permit #:	Location of huld disposal if flauled offsite.		
GSW Permit #:	Operator Name:		
	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or	Quarter Sec.         TwpS.         R East West		
Recompletion Date Recompletion Date	Countv: 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:					

KOLAR Document ID: 1260012

#### Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [	East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery,  Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name	)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€  Y€	es No						
			Repo		RECORD [	Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[	Depth	Typo		# Sacks Use		EEZE RECORD	Typo a	ad Paraant Additivas	
Perforate Protect Ca Plug Back	Top	Bottom	Type of Cement		# Sacks Useu		Type and Percent Additives			
Plug Off Z										
Did you perform     Does the volum     Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping  Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
Vented	Sold Use	d on Lease				Dually		nmingled	Тор	Bottom
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Bridge Plug Type Set At			Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)		Record	
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion			
Operator	Culbreath Oil & Gas Company, Inc.			
Well Name	Dewey Trust 2-7 A			
Doc ID	1260012			

## All Electric Logs Run

CND	
DIL	
Micro	
Dev	

Form	ACO1 - Well Completion			
Operator	Culbreath Oil & Gas Company, Inc.			
Well Name	Dewey Trust 2-7 A			
Doc ID	1260012			

## Tops

Name	Тор	Datum
Anhy	2936	+310
B Anhy	2974	+272
Lansing	4131	-885
ВКС	4378	-1132
Marmaton	4414	-1168
Pawnee	4500	-1254
Fort Scott	4554	-1308
Cherokee	4575	-1329

Form	ACO1 - Well Completion			
Operator	Culbreath Oil & Gas Company, Inc.			
Well Name	Dewey Trust 2-7 A			
Doc ID	1260012			

## Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4384-88	1000 gal 15% NA	4388

Form	ACO1 - Well Completion			
Operator	Culbreath Oil & Gas Company, Inc.			
Well Name	Dewey Trust 2-7 A			
Doc ID	1260012			

## 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	345	Common	350	3%gel, 2% cc
Production	7.875	5.5	13	4894	Acon	625	3%gel, 2%cc



Culbeath Oil & GAS CO INC

7 5 35 Rawlins KS Dewey Trust 2-7 A

3501 S Yale AVE Tulsa OK 74135

Job Ticket: 65070

ATTN: Anthony Luna

et: 65070 **DST#:1** 

Test Start: 2015.07.07 @ 18:00:00

#### **GENERAL INFORMATION:**

Formation: LKC "L"

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

Time Tool Opened: 20:16:30 Time Test Ended: 02:20:00

Unit No: 66

Tester:

Robert Zodrow

Interval: 4376.00 ft (KB) To 4402.00 ft (KB) (TVD)

Reference Elevations:

3246.00 ft (KB)

Total Depth: 4402.00 ft (KB) (TVD)

KB to GR/CF:

3241.00 ft (CF) 5.00 ft

Hole Diameter: 7.88 inches Hole Condition: Fair

Serial #: 6741 Inside

Press@RunDepth: 96.67 psig @

4377.00 ft (KB)

Capacity:

8000.00 psig

Start Date: 2015.07.07

End Date: 2015.07.08 End Time: 02:19:59 Last Calib.: Time On Btm: 2015.07.08 2015.07.07 @ 20:16:00

Start Time: 18:00:05

02:19:59

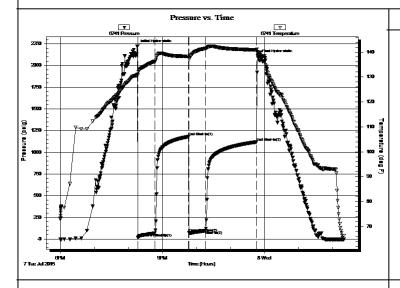
Time Off Btm: 2015.07.07 @ 23:49:00

TEST COMMENT: 30-IF- Bob in 12 mins

60-ISI- Return built to surface died in 25 mins

30-FF- Bob in 8 mins

90-FSI- Return built to 1 1/2" died in 77 mins



PRESSURE SUMMARY
------------------

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2217.09	131.08	Initial Hydro-static
1	17.62	130.74	Open To Flow (1)
31	67.22	136.21	Shut-In(1)
90	1180.39	138.29	End Shut-In(1)
91	73.68	137.48	Open To Flow (2)
120	96.67	141.42	Shut-In(2)
210	1119.58	140.81	End Shut-In(2)
213	2101.27	139.77	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 15%G 30%M 55%O	0.30
185.00	GO 20%G 80%O	2.04
0.00	750' GIP	0.00

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 65070 Printed: 2015.07.08 @ 08:06:41



**FLUID SUMMARY** 

ppm

DST#: 1

Culbeath Oil & GAS CO INC

7 5 35 Rawlins KS

3501 S Yale AVE Tulsa OK 74135

ATTN: Anthony Luna

Dewey Trust 2-7 A

Job Ticket: 65070

Test Start: 2015.07.07 @ 18:00:00

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 37 deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft

Viscosity: 52.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 500.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
60.00	GMCO 15%G 30%M 55%O	0.295
185.00	GO 20%G 80%O	2.039
0.00	750' GIP	0.000

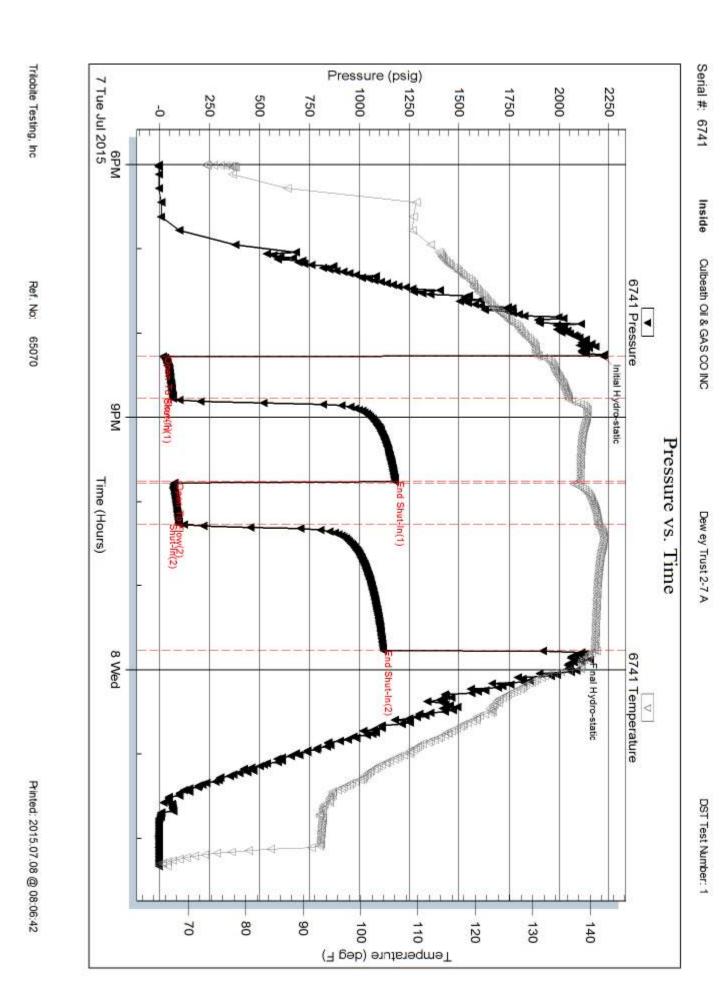
Total Length: 245.00 ft Total Volume: 2.334 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 65070 Printed: 2015.07.08 @ 08:06:42





Culbeath Oil & Gas

3501 S Yale AVE Tulsa OK 74135

ATTN: Anthony Luna

7 5 35 Rawlins KS

Dewey Trust 2-7 A

Job Ticket: 65071 **DST#:2** 

Test Start: 2015.07.08 @ 23:00:00

#### **GENERAL INFORMATION:**

Formation: Paw nee

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:23:00 Time Test Ended: 06:43:30

Interval: 4490.00 ft (KB) To 4524.00 ft (KB) (TVD)

Total Depth: 4524.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow Unit No: 66

Reference Elevations:

3246.00 ft (KB)

ererence Elevations:

3241.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 19.01 psig @ 4491.00 ft (KB) Capa

 Start Date:
 2015.07.08
 End Date:

 Start Time:
 23:00:05
 End Time:

End Time: 06:43:29

2015.07.09

Capacity: Last Calib.: 8000.00 psig 2015.07.09

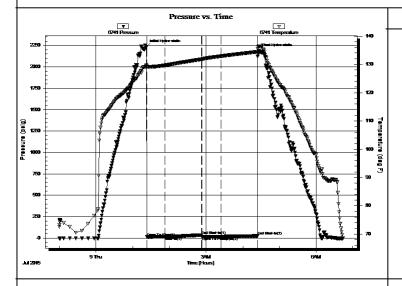
Time On Btm: 2015

2015.07.09 @ 01:22:30

Time Off Btm: 2015.07.09 @ 04:26:00

TEST COMMENT: 30-IF- Blow built to 3/4" died back to 1/4"

60-ISI- No return 30-FF- No blow 60-FSI- No return



# PRESSURE SUMMARY Pressure Temp Annotation

rime	Pressure	remp	Annotation
(Min.)	(psig)	(deg F)	
0	2232.29	129.72	Initial Hydro-static
1	14.16	128.98	Open To Flow (1)
31	16.30	129.67	Shut-In(1)
90	36.09	131.79	End Shut-In(1)
91	17.26	131.80	Open To Flow (2)
122	19.01	132.90	Shut-In(2)
182	27.05	134.44	End Shut-In(2)
184	2185.14	136.36	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)							
5.00	MUD with oil spots 100%M	0.02							
* Recovery from multiple tests									

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 65071 Printed: 2015.07.09 @ 08:15:10



**FLUID SUMMARY** 

ppm

Culbeath Oil & Gas

7 5 35 Rawlins KS

3501 S Yale AVE

Dewey Trust 2-7 A

Serial #:

Tulsa OK 74135

Job Ticket: 65071 DST#: 2

Test Start: 2015.07.08 @ 23:00:00 ATTN: Anthony Luna

**Mud and Cushion Information** 

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

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

Viscosity: 57.00 sec/qt Cushion Volume:

Water Loss: 7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 500.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl		
5.00	MUD with oil spots 100%M	0.025		

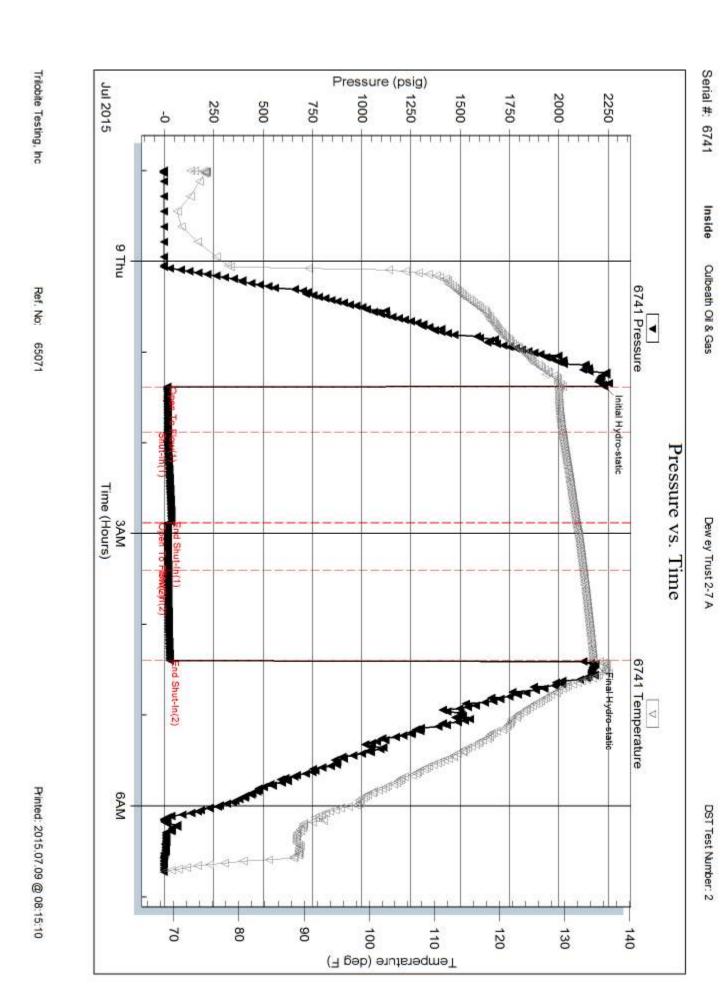
Total Volume: 0.025 bbl Total Length: 5.00 ft

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 65071 Printed: 2015.07.09 @ 08:15:10





Culbeath Oil & GAS CO INC

Dewey Trust 2-7 A

7 5 35 Rawlins KS

3501 S Yale AVE Tulsa OK 74135

Job Ticket: 65072

Tester:

Unit No:

ATTN: Anthony Luna

Test Start: 2015.07.09 @ 22:34:00

#### **GENERAL INFORMATION:**

Formation: Cherokee LS

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

Time Tool Opened: 00:29:30 Time Test Ended: 04:43:30

Interval:

4570.00 ft (KB) To 4598.00 ft (KB) (TVD)

Total Depth: 4598.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3246.00 ft (KB)

Robert Zodrow

66

3241.00 ft (CF)

DST#: 3

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 16.11 psig @ 4571.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2015.07.09
 End Date:
 2015.07.10
 Last Calib.:
 2015.07.10

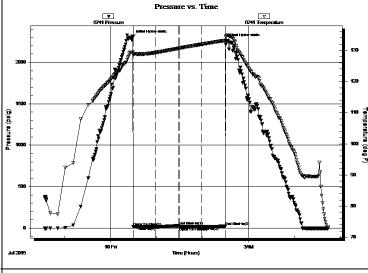
 Start Time:
 22:34:05
 End Time:
 04:43:29
 Time On Btm:
 2015.07.10 @ 00:29:00

Time Off Btm: 2015.07.10 @ 02:31:00

DDECCLIDE CLIMANA DV

TEST COMMENT: 30-IF- Blow built to 1/8" died in 29 mins

30-ISI- No return 30-FF- No blow 30-FSI- No return



PRESSURE SUMMARY									
Ī	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	2304.83	129.25	Initial Hydro-static					
	1	18.28	128.48	Open To Flow (1)					
	30	15.48	129.26	Shut-In(1)					
	60	28.75	130.61	End Shut-In(1)					
	61	15.23	130.63	Open To Flow (2)					
	90	16.11	131.93	Shut-In(2)					
,	121	22.20	133.13	End Shut-In(2)					
9	122	2258.61	134.64	Final Hydro-static					

#### Recovery

Length (ft)	Description	Volume (bbl)						
2.00	MUD 100%M	0.01						
* Recovery from multiple tests								

Gas Rates					
	Choke (inches)	Drocoure (poig)	Coo Roto (Mof/d)		

Trilobite Testing, Inc Ref. No: 65072 Printed: 2015.07.10 @ 05:02:36



**FLUID SUMMARY** 

ppm

Culbeath Oil & GAS CO INC

7 5 35 Rawlins KS

3501 S Yale AVE Tulsa OK 74135 Dewey Trust 2-7 A

Serial #:

.....

ATTN: Anthony Luna

Job Ticket: 65072 **DST#:3** 

Water Salinity:

Test Start: 2015.07.09 @ 22:34:00

**Mud and Cushion Information** 

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

Mud Weight:9.00 lb/galCushion Length:ftViscosity:50.00 sec/qtCushion Volume:bbl

Water Loss: 8.78 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 500.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
2.00	MUD 100%M	0.010

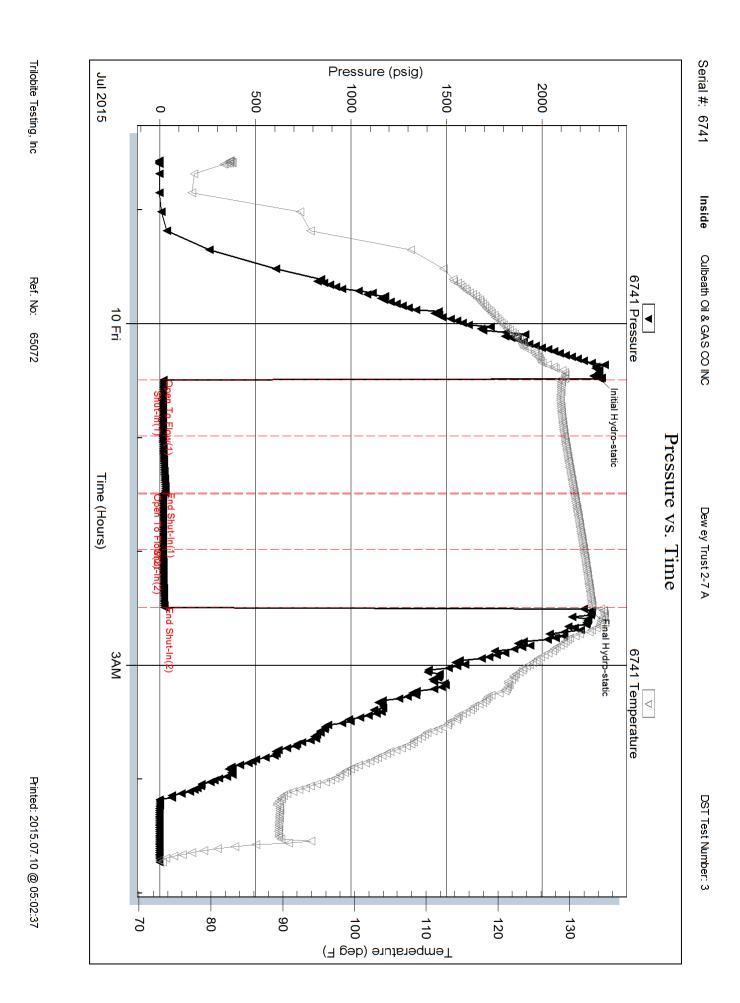
Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 65072 Printed: 2015.07.10 @ 05:02:37





Petroleum Geologist (KS #228)

Cell 620.639.3030 Fax 785.387.2400

RR#1, Box 69 Otis, Kansas 67565 geomurphy@gbta.net

Region: Kansas

**Drilling Completed: 7/11/15** 

Scale 1:240 (5"=100') Imperial **Measured Depth Log** 

Well Name: Dewey Trust #2-7 "A"

API: 15-153-21143-00-00

**Location: Rawlins County** 

License Number: 34344

Spud Date: 6/30/15

Surface Coordinates: 2310' FNL & 2310' FWL

Section 7-T5S-R35W Bottom Hole Coordinates: Vertical Well w/ minimal deviation

Ground Elevation (ft): 3241'

K.B. Elevation (ft): 3246' Total Depth (ft): RTD - 4900'/LTD - 4900' Logged Interval (ft): To: TD

Formation: Topeka through Mississippian

Type of Drilling Fluid: Chemical (Andy's Mud)

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

#### **OPERATOR**

Company: Culbreath Oil & Gas Address: 3501 South Yale Ave

Tulsa, OK 74135

### **GEOLOGIST**

Name: Steven P. Murphy, PG (KS License #228) & Anthony Luna

**Consulting Petroleum Geologist** Company:

Address: 3365 CR 390

Otis, KS 67565

#### **REMARKS**

Anhydrite Top - 2936 (+310)

Anhydrite Base - 2974 (+272)

Topeka - 3913 (-667)

Heebner - 4085 (-839)

Lansing - 4131 (-885)

Muncie Crk - 4254 (-1008)

Stark - 4327 (-1081)

Hushpuckney - 4357 (-1111)

Base KC - 4378 (-1132)

Marmaton - 4414 (-1168)

Pawnee - 4500 (-1254)

Myrick Station - 4526 (-1280)

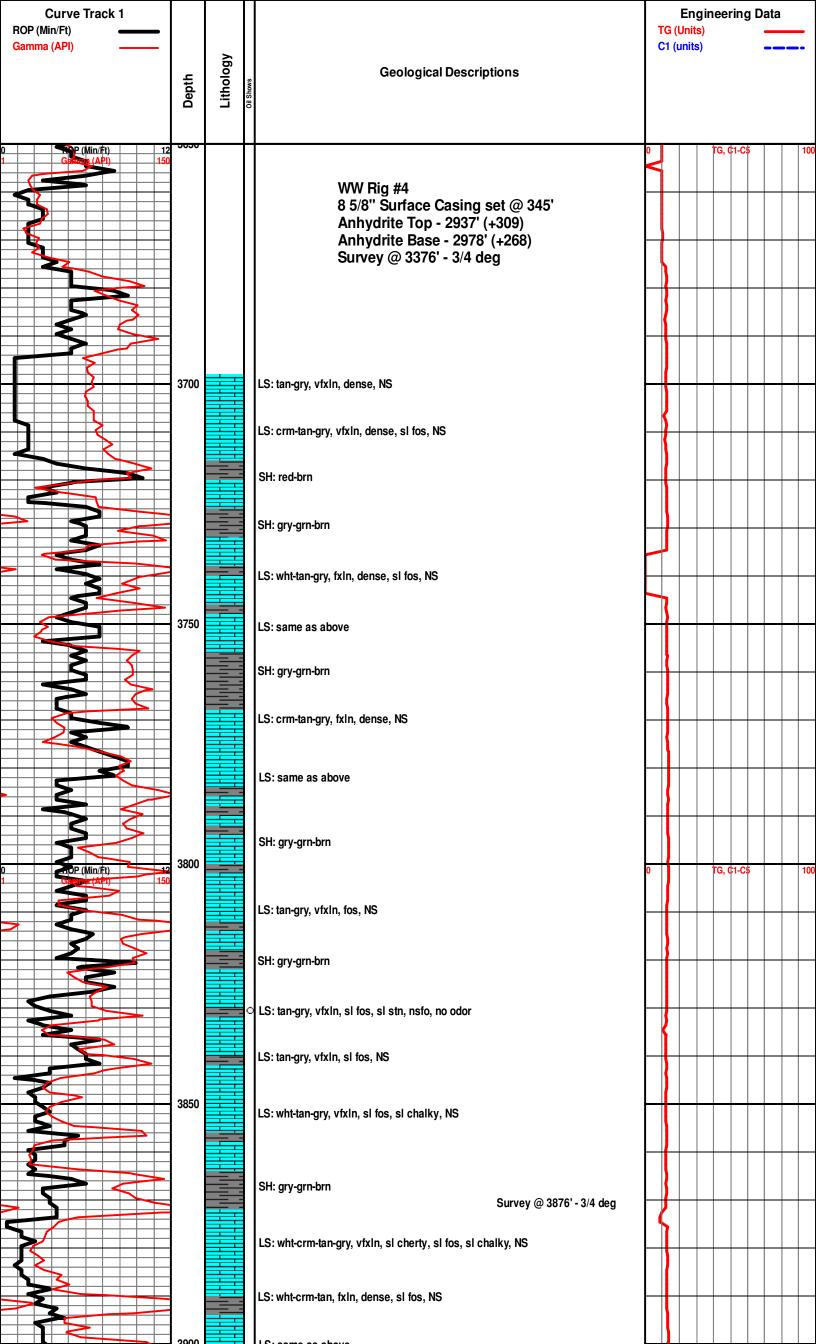
Fort Scott - 4554 (-1308)

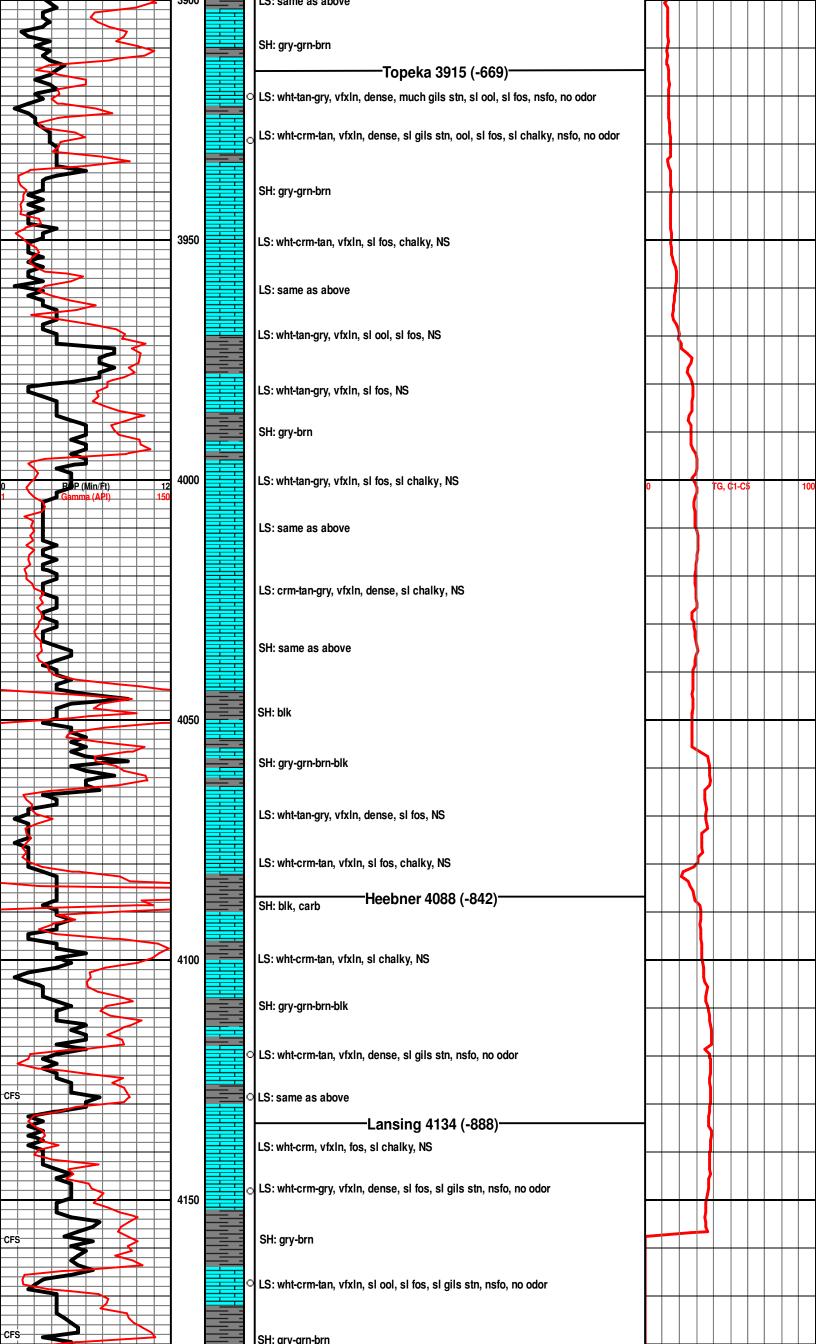
Cherokee Sh - 4575 (-1329)

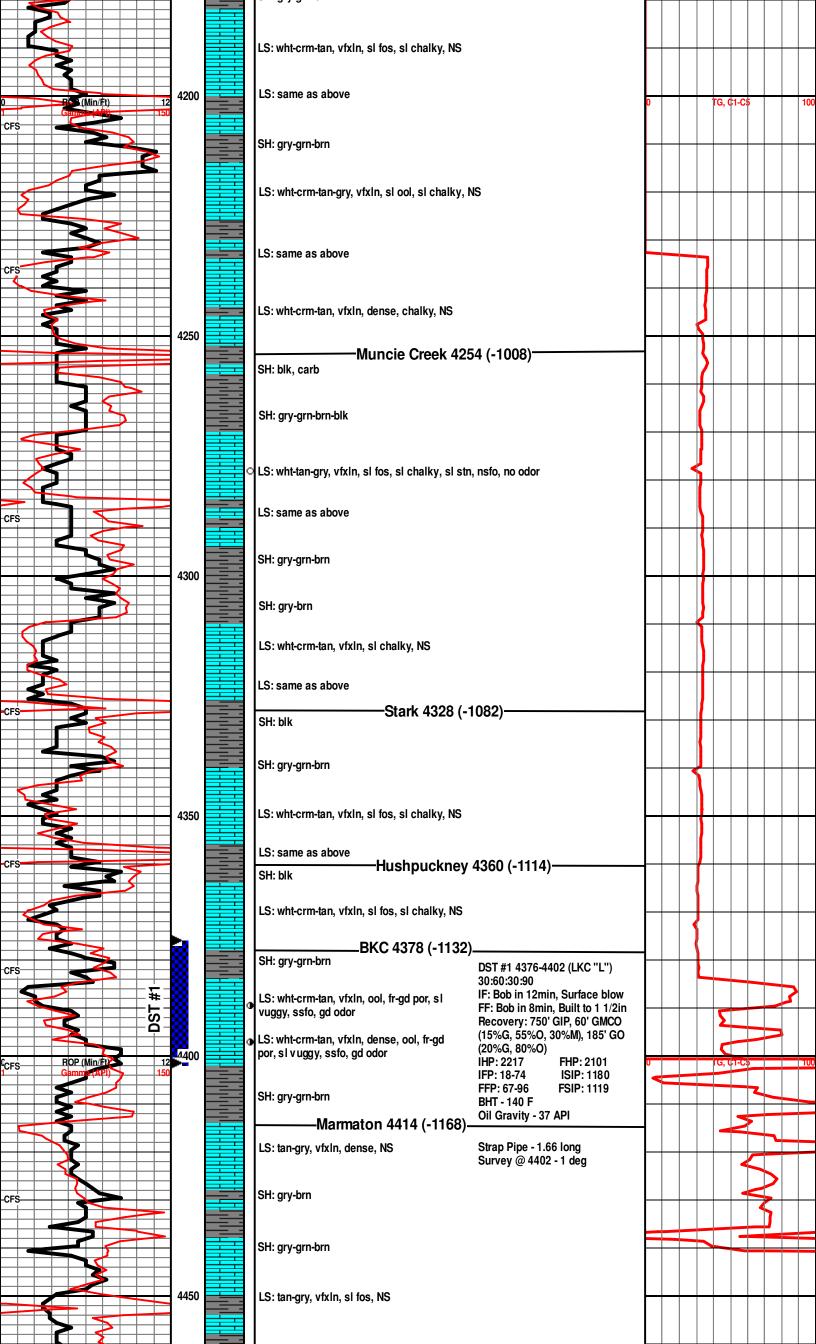
Mississippian - 4801 (-1555)

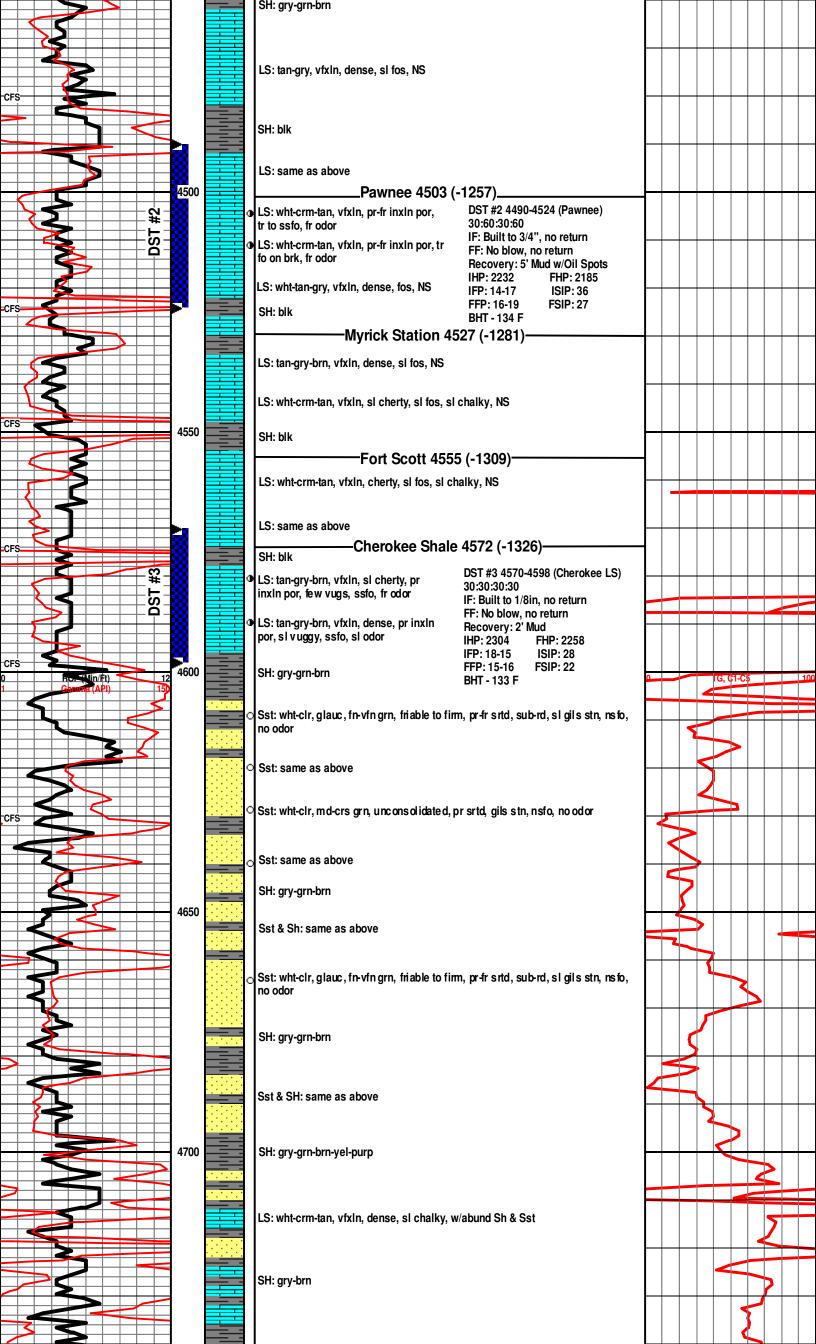
## **DSTs Drillstem testing performed by Trilobite Testing (Oberlin Office)** DST #1 4376-4402 (LKC "L") 30:60:30:90 IF: Bob in 12min, Surface blow FF: Bob in 8min, Built to 1 1/2in Recovery: 750' GIP, 60' GMCO (15%G, 55%O, 30%M), 185' GO (20%G, 80%O) IHP: 2217 FHP: 2101 IFP: 18-74 ISIP: 1180 FFP: 67-96\_ **FSIP: 1119** BHT - 140 F Oil Gravity - 37 API **DST #2 4490-4524 (Pawnee)** 30:60:30:60 IF: Built to 3/4", no return FF: No blow, no return Recovery: 5' Mud w/Oil Spots IHP: 2232 FHP: 2185 IFP: 14-17 **ISIP: 36** FFP: 16-19 **FSIP: 27** BHT - 134 F **DST #3 4570-4598 (Cherokee LS)** 30:30:30:30 IF: Built to 1/8in, no return FF: No blow, no return Recovery: 2' Mud IHP: 2304 FHP: 2258 ISIP: 28 IFP: 18-15 FFP: 15-16 **FSIP: 22** BHT - 133 F **COMMENTS** Based on the results of drillstem testing and log & sample analysis, 5 1/2" casing was set for production.

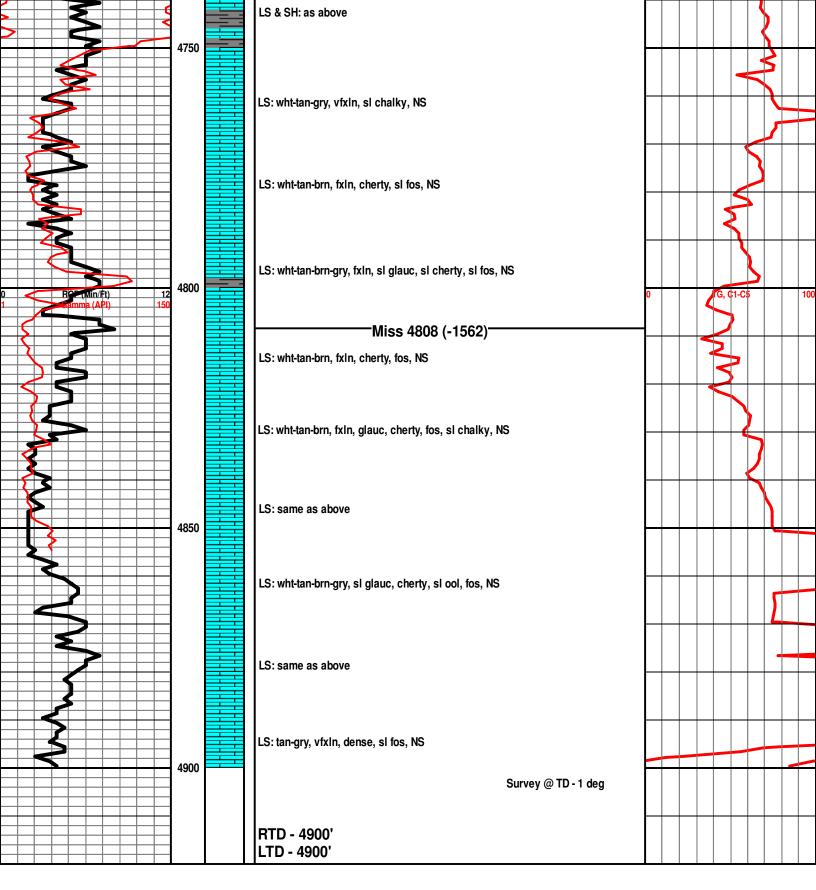
LITHOLOGY  Anhy Belm Belm Ferrpel Ssstrg  Sltstrg Ssstrg  Sltstrg Ssstrg  Sltstrg Ssstrg  Ssst					DOOK T	VDEO						
Anhy Belm Ferrpel Ssstrg  Bent Blockst Galau TEXTURE  Cht Bryozoa Gyp B Boundst  Clyst Cephal Hyymin Chalky  Coal Coral K Kaol CX Cryxin  Coal Corin Marl E Earthy  Dol Echin Minxl Finexin  Gyp Fish Nodule Garainst  Igne Foram Phos L Lithogr  Forsil Pyr Microxin  Meta Gastro B Salt  Salt Good  Shale Pelec Sill  Shale Pelec Sill  Shale Pelec Sill  Shool Pellet S Sulphur OIL SHOW  Shale Pelec Sill  Shale Pelec Sill  Shale Pelec Good  Sittst Plant  Sittst Applant  Sittst Applant  Sittst Applant  Shale Strom STRINGER Good  Sittst Dol Grysh Core  Shale Strom STRINGER Good  Strom STRINGER Applant  Shale Strom Strom Strom Strom Strander Applant  Shale Strom St		ROCK TYPES										
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Dol				Coral			Kaol			CryxIn		
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CLOUD LITHO - Ablene, TX

10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

# FIELD SERVICE TICKET 1718 12676 A

DATE TIOKET NO

	PRESSURE PUMPING & WIRELINE DATE TICKET NO										
DATE OF JOB 7/12/15 DISTRICT  NEW WELL PROD INJ WDW CUSTOMER WELL WELL PROD ORDER NO.:								ISTOMER RDER NO.:			
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86779		2						ARRIVED AT	JOB 7/17	11	5 PM 1:30
19860	7	1						START OPE	RATION 7/12	2/1	5 PM 10:10
4160	7 5	00						FINISH OPE	RATION >//	1/1	5 PM/2:10
								RELEASED	7/17	110	5 PM 1:00
								MILES FROM	A STATION TO V	VELL	
products, and/or sur	polies in	orized to cludes all	TRACT CONDITIONS: (This execute this contract as an ag of and only those terms and of the written consent of an off	gent of the conditions a	customer. A	s such, the unders the front and back	igned agre of this do	ees and acknowl cument. No addit	edges that this contional or substitute to	erms a	or services, materials, and/or conditions shall
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CP104/_	50	150	POZ	-			5/2	50			55066
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## FIELD SERVICE TICKET 1718 12676 A

F	PING & WIRELINE				DATE	TICKET NO				
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CPION	501	50	POZ				SK	275		7475 00
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10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

#### FIELD SERVICE TICKET

1718 12677	A
CONTAMUASTON 1718	

								DATE	TICKET NO				
DATE OF JOB > /17	115	DI	STRICT			NEW D C	VELL F	PROD INJ	□ WDW	□ CI	JSTOMER RDER NO	R ).:	
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		-						RELEASED	7/	7/1	5 AM	1:0	0
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become a part of this  ITEM/PRICE REF. NO.	s contract	t without	f and only those terms and only the written consent of an off	icer of Basi	c Energy Se	rvices LP.		GIGNED:	R, OPERATOR,	CONT	RACTOR C		ENT)
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THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. CLOUD LITHO - Abilene, TX

REPRESENTATIVE

SERVICE



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

#### FIELD SERVICE TICKET

Continuition 1718 17676

PRESSURE PUMPING & WIRELINE TICKET NO. DATE OLD PROD INJ DATE OF JOB ☐ WDW DISTRICT # WELL NO. LEASE CUSTOMER COUNTY STATE **ADDRESS** SERVICE CREW STATE CITY JOB TYPE: **AUTHORIZED BY** TIME **EQUIPMENT#** HRS **EQUIPMENT#** HRS **EQUIPMENT#** HRS TRUCK CALLED ARRIVED AT JOB START OPERATION **FINISH OPERATION** RELEASED MILES FROM STATION TO WELL CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP. (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT) ITEM/PRICE REF. NO QUANTITY **UNIT PRICE** \$ AMOUNT UNIT MATERIAL, EQUIPMENT AND SERVICES USED SUB TOTAL CHEMICAL / ACID DATA: **SERVICE & EQUIPMENT** %TAX ON \$ %TAX ON \$ MATERIALS

SERVICE REPRESENTATIVE THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



## TREATMENT REPORT

Customer	55 50	Tar.	Lease N	0	·	<u> </u>	Date	-	<del></del>	· · · · · · · · · · · · · · · · · · ·	
Lease	Iberat	h Oil	Well #			V741000	Date				
Dem	ey Tru	151	VVeii #	-74	- 15		7/17	115		0.1	
Field Order #	Station	Prat	/	Casing	Depth	1894	County		1	State	
Type Job	1/2 10	9 5	ling	e e	Formation				escription 7 - 5.5 -	3541	
PIPE	DATA	PER	FORATING DATA	FLUID U	JSED		TREA	TMENT	RESUME		
asing Size	Tubing Siz	ze Shots/F	=t	Acid		RATE PRESS			ISIP		
epth. 4444	Depth	From	То	Pre Pad		Max	5 Min.				
olume 1/5.57	Volume	From	То	Pad		Min	, x		10 Min.		
ax Press	Max Press	From	То	Frac		Avg			15 Min.		
ell Connection	n Annulus V	ol. From	То		8	HHP Used	Ann		Annulus Pro	essure	
ug Dépth	Packer De	epth From	То	Flush	Na:	Gas Volun	ne	Total Load			
ustomer Repr	resentative,	B-11	Stati	on Manager Kev	in E	ordk.	Treater 5	1011	Gian	ves	
ervice Units	glanding the state of the state	38970	70959 19	903 28980	9./					×	
river ames ≤	-best n	50011	E.T. M	H SHM	n						
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	1 2 7	20 g = 7	Servi	ce Log			
130	1. H	4.			Da line	ation	Safer	1. 11	retie	Rice	
5:41		14			Run	floor	1 500	<u></u>	0		
7:30				n	Circul	-1011	150	Vin.	54 34	60	
7:45		. 1			Run	Cusi	101				
7:10	, ,	N 1 1 12			Circu	1010	on K	01-10	n 4	5 min	
0:10	200	-	-	4.5	Dung	1 /7	100 5	Dale	1		
0:11	250		5	4.5	Dunp	500	Gallo	ns 8	Mud	flush	
0:13	250		1.7	4.6	Pump	117	3 500	rer			
0:15	220.	F .	20	5.3	Mix	400	SAS	A-CO	om .	11.6 00	
0:35	110		103	3.2	Lost	Circu	lation	7 1	Reduc	e Rus	
11:05	90		94.5	3.1	Mix	50/5	O Poz	22	5 st	5	
1:21	0		51.7		Sheet	do	Un	· · · · · · ·			
1:23		EII 6 *	7 2	- ;	Wesh	Pun	p +1.	res	Clean	<b>7</b> - 1	
1:75	06			3.1	Relea	se Pi	ug 57	art o	displa	( me)	
1:45	350		62	5.1	1,71	Pirss	Vic		<u>*</u> -	. 1	
2.00	1050		50	3.1	Plug	lune	ded				
201 1	670	en T		3./	Pressui	ce u	0 00	Plus	9		
201 1	1.70	and the state of	*		Shet.	dani	n		Et V		
2:05	0				Release	e fr	essure	1	10 Pm	VIN5	
7:10	0		8.5	3	Plug	Ru	/ hol	4 50	) SKS	50/5	
		V.			Shert	do	in				
			P.O. Box 8613		Job.	Carry of the	10/07				

## ALLIED OIL & GAS SERVICES, LLC 064716

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092 SERVICE POINT: Dakley, K

DATE 5-26-15	SEC 3 3 TWI	11 RANGE 32	CALLED OU	T	ON OCATI	ON J	OB START	JOB FINISH
LEASE BEAR	1	33 LOCATION C	Fly 3	55,	sal yer	2	OUNTY	STATE
OLD OKNEW Cir		ديكس	. ^ /				0	
CONTRACTOR C	WW 2		OWNE	p . 5	ance			
TYPE OF JOB	7	حتد	OTTRE	11 0				
	219	T.D. 3021	CEME	NT	_			~
CASING SIZE	875	DEPTH 307.5	AMOU	NT OF	RDERED <u>d</u>	00	5 15 600	n 376cc
TUBING SIZE		DEPTH						
DRILL PIPE TOOL		DEPTH DEPTH				***************************************		
PRES. MAX		MINIMUM	— COMM	ON	200	5/3	1290	3580.00
MEAS. LINE		SHOE JOINT	POZMI				a a	000-
CEMENT LEFT IN	CSG. 15.		GEL	· · · · · · · · · · · · · · · · · · ·		.0	â	***************************************
PERFS.			CHLOR	RIDE	36	41	0/,/0	620.40
DISPLACEMENT	15,34	651	ASC			(	9	
	EQUIPM	ENT					<u>0</u>	
		, 0	, Male	rial	Total	,	<u> </u>	4200.40
PUMP,TRUCK C	CEMENTER Z	afere Eave	12	1	-01.151		<u></u>	
# 4/22 1	HELPER W	oyae Methy	ghy —	$\leftarrow$	764.L/C	1220	/	***************************************
BULK TRUCK	a .	0	'ı		***************************************		@ @	
	DRIVER/ /	ren facet	te-	***************************************			@	· · · · · · · · · · · · · · · · · · ·
BULK TRUCK	a to vir income			***************************************		(	@ @	***************************************
<u>i/</u> L	DRIVER		HANDI	JNG	21044	3 (	0 2,48	520.80
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	REMAR						TOTAL	
MIX 200	158 C	amont.						
	with	water			SE	RVICE	C	
Course		Circulate			73.7			
766	ts pit				OB 306			
					K CHARGE _		95.5	512,25
7			EXTRA		TINGE -		720	7200
	-	1041/40	4 MILEA	OF Z	Swage		ق ش_ <u>در.</u>	27500
	/	1000	- MANIF	CLU		100	4,40	44.00
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CHARGE TO:	albreo	. The		7	_ ~ . [		1	
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STREET				-	•	*******	) TOTAL	المعلقسانية والمسافرين المسافرين
CITY	STATE	ZIP						
					PLUG & FL	OAT E	QUIPMEN	T
			***************************************			(	<u> </u>	-
							<u> </u>	
To: Allied Oil & C							<u> </u>	
		cementing equipmen	t				@ @	
		(s) to assist owner or	***************************************				w	***************************************
		<ol> <li>The above work wa</li> </ol>					mester i v	
		ion of owner agent or					TOTAL	
		erstand the "GENERA		TAV/	If Any)			
TERMS AND CO	NDITIONS" I	isted on the reverse si	de.	inv (	( O.	0 <	C 5	
	1		TOTAL	CHAF	RGES 6, 8	7).	67	
PRINTED NAME_	/		DISCOL	INT	2,896.17	142	(S) IF PAI	D IN 30 DAYS
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-11	malle IIX	Woods			3,999	.41	MEN.	
SIGNATURE &								