KOLAR Document ID: 1391100

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:			est
Address 2:		Feet from North / South Line of Sect	tion
City: State:	++	Feet from East / West Line of Sect	tion
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-Entr	y Workover	Field Name:	
] SWD	Producing Formation:	
Gas DH] SWB] EOR	Elevation: Ground: Kelly Bushing:	
	GSW	Total Vertical Depth: Plug Back Total Depth:	
CM (Coal Bed Methane)	_	Amount of Surface Pipe Set and Cemented at: F	eet
	ol., etc.):	Multiple Stage Cementing Collar Used? Yes No	
If Workover/Re-entry: Old Well Info as		If yes, show depth set: F	eet
Operator:		If Alternate II completion, cement circulated from:	
Well Name:		feet depth to:w/sx c	cmt.
Original Comp. Date:			
Deepening Re-perf. Plug Back Liner	Conv. to EOR Conv. to SWD Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)	
□ O		Chloride content:ppm Fluid volume:b	bls
_ •	rmit #:	Dewatering method used:	
	rmit #: rmit #:		
	rmit #:	Location of fluid disposal if hauled offsite:	
	rmit #:	Operator Name:	
33		Lease Name: License #:	
Spud Date or Date Reached	Completion Data co	Quarter Sec TwpS. R	/est
Recompletion Date	d TD Completion Date or 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 Drill Stem Tests Received						
Geologist Report / Mud Logs Received						
UIC Distribution						
ALT I II Approved by: Date:						

KOLAR Document ID: 1391100

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 F	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 Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Anderson Energy, Inc.
Well Name	LEIS 2
Doc ID	1391100

All Electric Logs Run

Dual Induction
Micro
Dual Comp. Porosity
Borehole Comp. Sonic
Sonic Cement Bond

Form	ACO1 - Well Completion
Operator	Anderson Energy, Inc.
Well Name	LEIS 2
Doc ID	1391100

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	54.5	114	common	325	3% cc 2% gel
Surface	12.25	8.675	23	302	Common & 60/40 poz	875	2% gel, 4% cc, 15# gilsonite & 6 bbl 50% Sodium silicate
Production	7.875	5.5	14	3061	AA2	150	60 sx Mud Sweep
				_			



TREATMENT REPORT

Acid Stage No.

					l			in 10775			
Date	11/2/2017	District GB	F.O.	No. 45339	Type Treatment: Bkdown		Type Fluid		Pound	ls of Sand	
	ANDERSON E					Bbl./Gal.		WANTED BY THE STATE OF THE STAT			
Well Nam	ne & No. LEIS #2										
Location			Field								
County	SEDGWICK		State KS		Flush						
					Treated from		t. to		No. ft.	0	
Casing:		Type & Wt.		Set atft.			t. to	ft.	No. ft.	0	
Formation	1:		Perf	to	from		t. to	ft.	No. ft.	0	
Formation	1:		Perf.	to	Actual Volume of Oil					Bbl./Gal.	
Formation				to							
					Pump Trucks. No		320 Sp.		Twin		
					Auxiliary Equipment	_	36	7-308			
ubing:	Perforated f		Swung atft. to		Personnel GREG M	IIKE				-	
	T CITOTALEUT	10111	11. 10		Auxiliary Tools			***************************************			
Open Hole	e Size	TD	ft. P		Plugging or Sealing M	aterials: Type _					
			11. 1	.B. toft.				Gals.		lb.	
Company	Representative		WALT	r	Treater		GREG CU	DTIC			
TIME		SURES	T		Treater		GREG CO	KIIS			
ı.m./p.m.	Tubing	Casing	Total Fluid Pumped			REMARKS					
L9:00				ON LOCATION							
				MIX 350 SKS OF 60/40 2% GEL 3% CAL CHLOR.							
				DISP WITH 18.25	BBLS OF WA	TER. LOST C	IRC WHILE	CEMENT	NG		
				CEMENT DID NO	T CIRCULATE						
						-					
				WENT TO BURRT	ON AND LOA	DED 425 SK	S OF COM	NON			
:00				PUMP 425 SKS O	F COMMON E	BETWEEN 8	5/8 AND 1	3 3/8			
:15				NEVED CIDCUI AT	ED CELIENT						
.15				NEVER CIRCULAT	ED CEMENT						
				M/ENT TO CDEAT	DENID TO LO	AD CEA IENIT	1415 0051				
				WENT TO GREAT	BEND TO LO	AD CEMIEN I	AND SODI	UM SILICA	ATE		
3:15				PUMP 6 BBLS OF	EOO/ CODILIN	A CIL AND E	00/ 1120				
-				FOWIF O BBLS OF	30% 30DION	I SIL. AND 5	0% H2O				
				MIX 100 SKS OF C	CONTRACTOR AS	CAL CHIO	154/64/6	U CONUTE			
				WIN 100 3K3 OF C	COMMON 4%	CAL. CHLUI	1. 15#/SK G	ILSUNITE			
3:45				PLUG DOWN, JET	CELLAR						
					JEELAN						
5:00				CHECK CELLAR. C	EMENT TO SI	JREACE					
				JOB COMPLETE							
				THANK YOU!!!							



TREATMENT REPORT

Date 11/1/2017 District GB F.O. No Company ANDERSON ENERGY Well Name & No. LEIS #2 Location Field State KS Casing: Size 13 3/8 Type & Wt. Formation: Perf. Formation: Perf. Formation: Perf. Liner: Size Type & Wt. Top at ft. Cemented: Yes ▼ Perforated from Tubing: Size & Wt. Swung at	Set atft	Type Fluid Sand Size Pounds of Sand Black Bkdown Bbl./Gal. Bbl./Gal. Bbl./Gal. Bbl./Gal. Flush Bbl./Gal. Treated from ft. to ft. No. ft. 0 ft. from ft. to ft. No. ft. 0 Actual Volume of Oil / Water to Load Hole: Bbl./Gal. Ft. Pump Trucks. No. Used: Std. 320 Sp. Twin Auxiliary Equipment 367-308 ft. Personnel GREG MIKE								
Perforated fromft. to		Auxiliary Tools								
Open Hole Sizeft. P	.B. toft.	Plugging or Sealing Materials:	Туре	Gals.	lb.					
Company Representative WAL	Г	Treater	GRE	G CURTIS						
TIME PRESSURES Total Fluid Pumped a.m./p.m. Tubing Casing			REMARKS							
23:30	ON LOCATION									
	MANY 100 CVC OF	CO/40 20/ CEL 20/	CAL CHIOD							
1:30	MIX 100 SKS OF	60/40 2% GEL 3%	CAL. CHLON.							
	DISP TO 90 FEET	. CEMENT DID NO	T CIRCULATE							
		" a = T. / (= T.) D. D.	11015							
	RAN 105 FT OF 1	" BETWEEN PIPE	AND HOLE							
	MIX 225 SKS OF	60/40 2% GEL 3%	CAL. CHLOR.							
	CEMENT WAS A	T SURFACE.								
7.00	JOB COMPLETE									
7:00	JOB COIVII LETE									
	THANK YOU!!!									
	-									



TREATMENT REPORT

Customer	15/101		0 1 16	, , ,	L	ease No.				1 3	Date					
Lease	1		11		V	Vell #					,	110	1,	-7		
Field Order	# Statio	n /	1. 77		Los	-	7	Casing	Dept Dept	th	County	1//	//	1	State	
Type Job	4 0	001	luit		10	<u>, , , , , , , , , , , , , , , , , , , </u>		70	Formation	n		100 000	egal De	scription		
PIP	E DATA	26.4	PER	FORA	TING	DATA		FLUID	USED		Т	REATM	IENT F	RESUME	=	
Casing Size	Tubing S	ize	Shots/F	Ft			Ac			1	RATE	PRESS ISIP			74	
Depth	Depth		From		To		Pr	e Pad		Max	-					
Volume	Volume		From		То		Pa	ıd		Min	-			5 Min. 10 Min.	,	
Max Press	Max Pres	ss	From		То		Fra	ac		Avg				15 Min.		
Well Connecti	on Annulus	Vol.	From		То					HHP Used	1			Annulus	Pressure	
Plug Depth	Packer D	epth	From		То		Flu	ısh		Gas Volur	ne			Total Load		
Customer Re	presentative	D	ev 1/2 2	25		Station	Mar	nager	. /./	12-	Treate	er	21	2		
Service Units	75990	50	19A	1050	113	1988	9	71010	18781	101101	1	500		7 de		
Driver Names	Scott		4.7			K la	,									
Time	Casing Pressure		ubing essure	Bbls	. Pum	ped		Rate				Service I	Loa	A.		
5:00	11/5/	17	- 1000		10,14	70.27	Live		On L	conti	on c	50/	1.	m	2 0.	
12:05	11/9/1	7		113 8081	o i de				Runt	1001	Earl	- n	1-2-	1 1	Transfer of the	
	25 4.71								Tucker	5 1 12	13.4	160	8,11	.16.	21	
1:45									Break	Circ	ula-	Hen				
5:35	250							4.5	Pum	0 11	0 3	Care				
2:34	250				5		4	1.5	Shin	1 60	4/6	5	1 190 10	plane o	45 sts 1	
2:38	200			- /	15,8		4	5	5/04-1	AAZ	121	nen	19	50 51	1487	
2.48	0			4	1.14	/	D	?	Shirl	den	107	-				
249		*0,5%	8 10 15 July 20 3	er in this		PAR LINE			Much	Dun	2,2 -1	1-1,	205	nle	n	
751				2			_ (2	Kelea	ine p	huy				1 - 4 5 - 1	
7.52	100			- 1				/	Start	1/130	Pace	me	1			
3:05	250				3		Via	5	13 1	011551	-4					
3.08	300		7 - 1		16	*		.5	7 7 .	118 1		-				
3.69	700)	. 5		3.			land	100	ě				
3:10	1500					9 9 9		5	Brira.						Terre de la Company	
5-12	1500		Nes ar	regress (s. u)			2	2		dou						
3:15	0	100			75			7							Returns	
	V			/	.))	1			0.00		474. 400.	MIC.	
3.20						_					-	320				
3:30									Joh	Al.	A	17.14	DON	7		
				14:					11.11	1	0 1000					



Anderson Energy

14/29S/1W Sedgwick KS

300 W Douglas Ave STE 410

Wichita KS, 67202

Job Ticket: 57888

Leis #2

DST#:1

ATTN: Bill Anderson

Test Start: 2017.11.07 @ 02:21:00

GENERAL INFORMATION:

Formation: Swope

Interval:

Start Time:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:19:30
Time Test Ended: 10:27:30

2884.00 ft (KB) To 2900.00 ft (KB) (TVD)

Total Depth: 2900.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Jason Cash

Unit No: 68

Reference Elevations:

1291.00 ft (KB)

1286.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8788 Outside

 Press@RunDepth:
 76.05 psig @ 2885.00 ft (KB)

 Start Date:
 2017.11.07 End Date:

02:21:05

End Time: 10:27:29

Capacity: Last Calib.:

Tester:

8000.00 psig

2017.11.07

9 Time On Btm:

2017.11.07

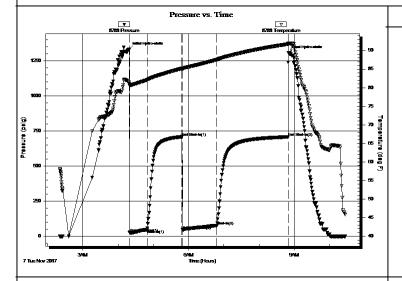
2017.11.07 @ 04:19:00

Time Off Btm:

2017.11.07 @ 08:50:00

TEST COMMENT: IF- Surging Blow B.O.B 12 Minutes

ISI- Surface Blow Died 5 Min FF- Strong Blow B.O.B 30 seconds FSI- Surface Blow Died 2 min



PI	RESSUF	RE SU	IMMAR	Y

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1332.47	81.06	Initial Hydro-static
1	24.77	80.54	Open To Flow (1)
31	46.07	82.08	Shut-In(1)
90	708.53	85.16	End Shut-In(1)
91	44.19	84.90	Open To Flow (2)
150	76.05	87.53	Shut-In(2)
271	707.18	91.72	End Shut-In(2)
271	1306.51	91.90	Final Hydro-static

Recovery

Description	Volume (bbl)
GSY-HOCM 40%G 37%O 3%W 20%M	0.32
GSY-O 10%G 90%O	1.22
2170 GIP	0.00
	GSY-HOCM 40%G 37%O 3%W 20%M GSY-O 10%G 90%O

Gas Rates

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

Trilobite Testing, Inc Ref. No: 57888 Printed: 2017.11.07 @ 11:32:28



Anderson Energy

14/29S/1W Sedgwick KS

300 W Douglas Ave STE 410

Wichita KS, 67202

Job Ticket: 57888

Leis #2

DST#: 1

ATTN: Bill Anderson

Test Start: 2017.11.07 @ 02:21:00

GENERAL INFORMATION:

Formation: Swope

Time Tool Opened: 04:19:30

Time Test Ended: 10:27:30

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

Unit No: 68

2884.00 ft (KB) To 2900.00 ft (KB) (TVD)

Reference Elevations:

1291.00 ft (KB)

Total Depth: 2900.00 ft (KB) (TVD)

1286.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF:

5.00 ft

Serial #: 8159 Press@RunDepth: Inside

2885.00 ft (KB) psig @

Capacity: 2017.11.07 Last Calib.: 8000.00 psig

Start Date: 2017.11.07 End Date:

Time On Btm: 10:29:07

1899.12.30

Start Time:

Interval:

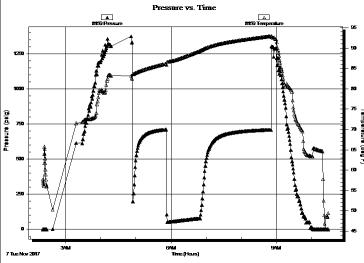
02:21:05

End Time:

Time Off Btm:

TEST COMMENT: IF- Surging Blow B.O.B 12 Minutes

ISI- Surface Blow Died 5 Min FF- Strong Blow B.O.B 30 seconds FSI- Surface Blow Died 2 min



PRESSURE SUMMARY

				••
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
_				
Temperature (deg F)				
3				

Recovery

Length (ft)	Description	Volume (bbl)
65.00	GSY-HOCM 40%G 37%O 3%W 20%M	0.32
125.00	GSY-O 10%G 90%O	1.22
0.00	0.00 2170 GIP	

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 57888 Printed: 2017.11.07 @ 11:32:28



FLUID SUMMARY

Anderson Energy

14/29S/1W Sedgwick KS

300 W Douglas Ave STE 410

Wichita KS, 67202

Leis #2

Job Ticket: 57888

DST#: 1

ATTN: Bill Anderson

Test Start: 2017.11.07 @ 02:21:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:37 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity: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: ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	GSY-HOCM 40%G 37%O 3%W 20%M	0.320
125.00	GSY-O 10%G 90%O	1.216
0.00	2170 GIP	0.000

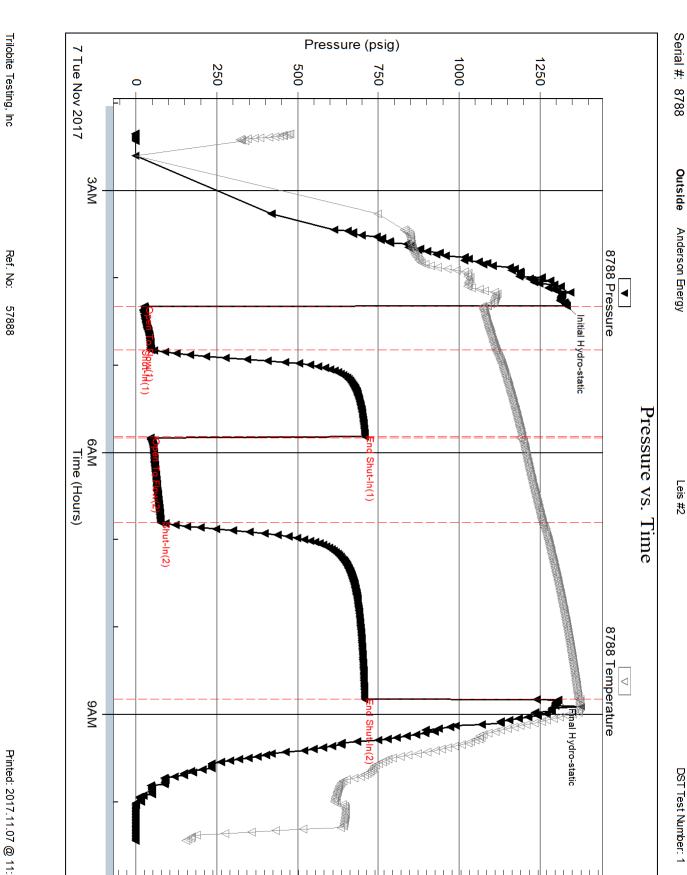
Total Length: 190.00 ft Total Volume: 1.536 bbl

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

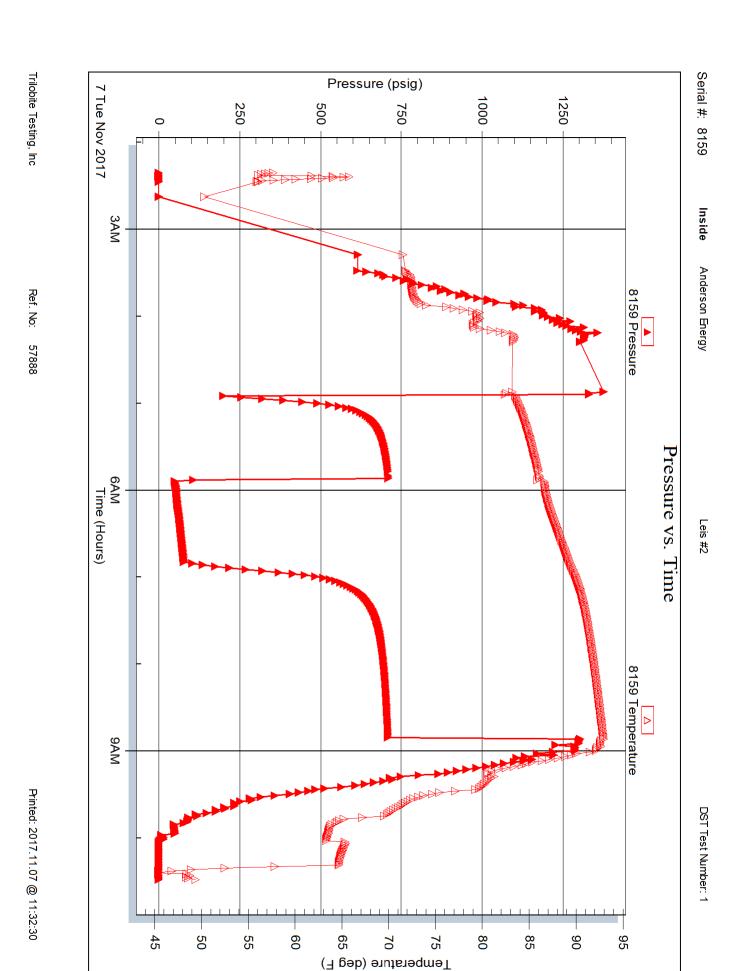
Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 57888 Printed: 2017.11.07 @ 11:32:30



Temperature (deg F)





Anderson Energy

14/29S/1W Sedgwick KS

300 W Douglas Ave STE 410

Wichita KS, 67202

Job Ticket: 57889

Leis #2

Tester:

Capacity:

DST#: 2

ATTN: Bill Anderson

Test Start: 2017.11.07 @ 19:27:00

GENERAL INFORMATION:

Formation: Hertha

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:14:00 Time Test Ended: 02:23:15

Interval:

2902.00 ft (KB) To 2925.00 ft (KB) (TVD)

Total Depth: 2925.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor Test Type: Conventional Bottom Hole (Initial) Jason Cash/ Jimmy Ri

Unit No:

Reference Elevations: 1291.00 ft (KB)

1286.00 ft (CF)

8000.00 psig

KB to GR/CF: 5.00 ft

Serial #: 8788 Outside

Press@RunDepth: 2903.00 ft (KB) 124.39 psig @

Start Date: 2017.11.07 End Date: 2017.11.08 Last Calib.: 1899.12.30 Start Time: 19:27:05 End Time: 02:23:14 Time On Btm: 2017.11.07 @ 21:13:45

2017.11.08 @ 00:17:15 Time Off Btm:

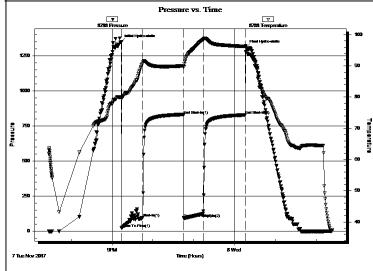
PRESSURE SUMMARY

TEST COMMENT: IF- Weak Blow Building to 2 inches

ISI- No Blow

FF- Weak Blow Building to 1.5 inches

FIS- No Blow



1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1348.52	80.11	Initial Hydro-static
	1	22.32	79.52	Open To Flow (1)
	32	96.17	90.82	Shut-In(1)
	92	829.49	90.02	End Shut-In(1)
1	92	94.50	89.54	Open To Flow (2)
	121	124.39	98.41	Shut-In(2)
۱	182	827.20	96.24	End Shut-In(2)
	184	1309.01	95.42	Final Hydro-static

Cac Datas

Recovery

Volume (bbl)
0.62
0.84
0.84

Ous rui	00	
Choko (inohoo)	Drocoure (poig)	Coo Roto (Mof/d)

Trilobite Testing, Inc. Ref. No: 57889 Printed: 2017.11.08 @ 07:09:35



Anderson Energy

14/29S/1W Sedgwick KS

300 W Douglas Ave STE 410

Wichita KS, 67202

Leis #2

Job Ticket: 57889 DST#: 2

Test Start: 2017.11.07 @ 19:27:00

Test Type: Conventional Bottom Hole (Initial)

Jason Cash/ Jimmy Ri

GENERAL INFORMATION:

Formation: Hertha

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:14:00 Tester:

Time Test Ended: 02:23:15 Unit No:

Interval: 2902.00 ft (KB) To 2925.00 ft (KB) (TVD) Reference Elevations: 1291.00 ft (KB) Total Depth: 2925.00 ft (KB) (TVD) 1286.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 5.00 ft

Serial #: 8159 Inside

Press@RunDepth: 2903.00 ft (KB) Capacity: 8000.00 psig psig @

Start Date: 2017.11.07 End Date: 2017.11.08 Last Calib.: 1899.12.30

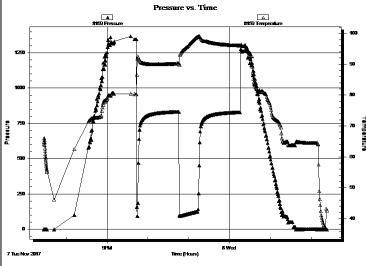
Start Time: 19:27:05 End Time: Time On Btm: 02:23:14 Time Off Btm:

TEST COMMENT: IF- Weak Blow Building to 2 inches

ISI- No Blow

FF- Weak Blow Building to 1.5 inches

FIS- No Blow



PRESSURE SI	UMMARY
-------------	--------

1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
ij				
Temperature				
-				

Recovery

Length (ft)	Description	Volume (bbl)
125.00 4%M 96%W Mud Cut Water		0.62
60.00 15%M 85%W Mud Cut Water		0.84
60.00 85%M 15%W Water Cut Mud		0.84
ļ————		

Gas Rates

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

Printed: 2017.11.08 @ 07:09:35 Trilobite Testing, Inc. Ref. No: 57889



FLUID SUMMARY

Anderson Energy

14/29S/1W Sedgwick KS

300 W Douglas Ave STE 410

Wichita KS, 67202

Leis #2

Job Ticket: 57889

DST#: 2

ATTN: Bill Anderson

Test Start: 2017.11.07 @ 19:27:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:190000 ppm

Viscosity: 66.00 sec/qt Cushion Volume: bbl

7.60 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 500.00 ppm Filter Cake: inches

Recovery Information

Water Loss:

Recovery Table

Length ft	Description	Volume bbl
125.00	4%M 96%W Mud Cut Water	0.624
60.00	15%M 85%W Mud Cut Water	0.842
60.00	85%M 15%W Water Cut Mud	0.842

Total Length: 245.00 ft Total Volume: 2.308 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 57889 Printed: 2017.11.08 @ 07:09:35

40

50

60

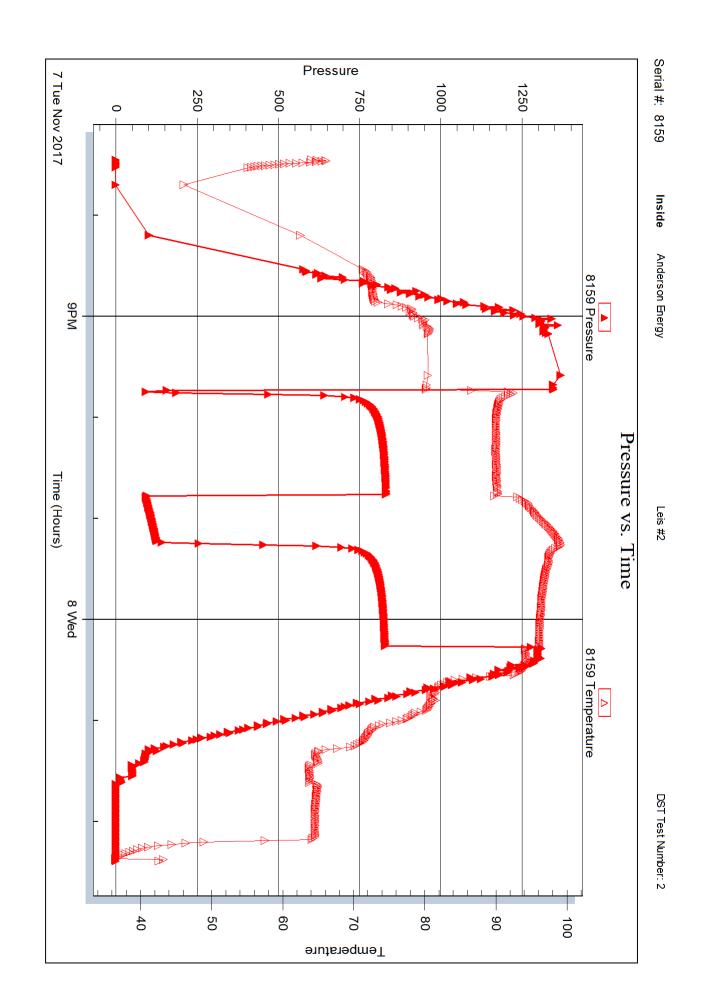
80

70

Temperature

90

100





API: 15-173-21056-0000 Anderson Energy, Inc. Leis 2 348 FNL & 1695 FWL Sec. 14-T29S-R1W

SHT at 114' - 1/8 deg at 302' - 1 deg

Sedgwick County, Kansas **KB 1291** 0" 15" 10" Displace Mud System at 2371 feet 2500 Andy's Mud Report at 2371' WT:8.6, VIS: 84 WL: 6.2, CHL: 500 LCM: 6# 50 Lansing 2597-1306 2600 ls dk brn fn xln dn Is dk brn fn xln dn ls dk brn fn xln dn shales gry, soft, dk gry, gry-green, some silty, scattered sst string thru shales gry, dk gry, some gry-green, green 50 shales gry, dk gry, some gry-green, green Losing Fluid - Ran out of mud on location - pull CFS-30" shales dk gry, gry, soft, some clayey shales dk gry, gry, soft, some clayey LCM: 5# shales dk gry, gry, soft, some clayey 2700 shales black HW-10u shales gry, dk gry, gry-green, some lightly shales gry, dk gry, gry-green, some lightly pyritic shales gry, dk gry, gry-green, some lightly pyritic 7am Mon. 10-6-17 Drlg 2765 Kansas City 2773-1482 Is tan and cream fn xln, vsl oolitic fair to strong odor, is cream to tan fn-med and med oolitic, ringed, fair interparticle porosity to small vugs, 20%+ with bright heavy sptd fluor exhibiting GOOD SHOWS CLEAR GASSY OIL ON BREAK (oil does fluor), tan sparsely sptd stain (very light 1-2%), none to weak cut HW-20u, recycled HW-5u CFS-45" 2800 Is cream and tan fn-med and med oolitic grades to chalky and weathered, chalk 5% ls white and cream fn-med oolitic, chalky, clear calcite inclusions, assoc. chert tan and cream, fresh, opaque, slightly oolitic Is cream and It gry, vfn and fn oolitic dn, some embedded with coarse fossils (crinoids) to chalky oolitic Is, sptd gold fluor wet exhibiting fair to good shows clear live oil on break 5%, no staining Is cream to tan vfn-fn oolitic grades to chalky oolitic Is, chalky Is thru-out, rare pcs with blk stain carrying sptd fluor wet, small shows live oil, sparse chert tan, fresh, VERY STRONG ODOR! Is tan vfn oolitic and suboolitic, ringed, equal Is brn fn xln dn, bright even fluor wet, with 50 good shows clear live oil in fn intercolitic porosity, embedded calcite xtals, dull to fair flour dry, slow cut, no staining HW-25u, no recycle FAIR ODOR, Is tan-brn fn xln dn-suboolitic, equal Is cream vfn oolitic, ringed in part, fossilf, (clams and shell frags), clear calcite embedded thruout grades to weathered chalky Is, chert 2-3%, tan-cream, fresh, **DST 1) 2884-2900 (KC Swope)** Stark Shale 2884-1593 SWOPE STRONG ODOR!, Is tan and brn fn-med oomoldic and oolitic with embedded coarse milky calcite and clasts, bright even gold fluor wet, GOOD SHOWS CLEAR AND TAN LIVE OIL on break (oil does fluor), gas bubbles clinging to comoldic porosity, brown to VERY DARK BRN HW-350u, recycled at HW-180u, 2nd recycle at HW-80u, 3rd recycle HW-50u Hush Shale 2909-1618 HW-75u faint odor. Is tan-brn fn xln dn to subpolitic, scattered chert milky to lt gry, fresh, opaque, fossilif, small amts of ls cream med oolitic, ringed, dn matrix **DST 2) 2902-2925 (KC Hertha)** CFS-45" 2919-2925 VERY STRONG GASSY ODOR, Is tan med and coarsely oomoldic and oolitic, hollowed shell frags with tan opaque and subopaque clasts and ooids, MAJORITY of pcs. with fluor dry, pcs. exhibiting fluor have fair to fast cut some 50 HW-175u, 1st recycle HW-130u, 2nd recycle HW-100u faint odor. Is cream thru lesser brn med and coarsely

FIELD First Look REPORT

15 stands - wait on mud at 2658 feet [DOWN FROM 9:15pm, 10-5-17 2:45am, 10-6-17] Andy's Mud Report at 2675' WT: 8.6, VIS: 75, WL: 7.4, CHL: 500

saturation in well dev. interoolitic porosity and med-coarse vugs, dull even and sptd gold fluor dry, fair streaming cut

gold sparsely sptd to hea∨y sptd fluor wet with GOOD SHOWS CLEAR AND SOME TAN LIVE OIL, assoc. gas bubbles in well dev. oomoldic porosity, sparsely sptd to sptd fair gold streaming, pcs. with NO FLUOR have NO CUT, light to tan sptd stain thru-out, small percentage with even brn saturation

oomoldic and oolitic, well dev. oomoldic porosity, hollowed shell frags and leaching in fn-med oolitic Is, brn clasts and ooids, HEAVY SPTD MINERAL FLUOR, no shows oil or gas, no apparent staining, no cut, GAS UNIT DOWN - Blown Fuse

Is gry-brn fn xln dn and equal Is cream to tan med oolitic, ringed, occ. organics

BKC 2986-1695

Is dk gry to dk brn fn xln dn

n Wed. 11-8-17

3000

shales dk gry, gry-green, dk green, some clayey, mixed with Is gry to dk brn fn xln dn shales dk gry, gry-green, dk green, some clayey, mixed with Is gry to dk brn fn xln dn

shales dk gry, gry-green, clayey, soft, scattered

Is tan fn xln dn, some med oomoldic and oolitic

shales dk gry, gry-green,, lt gry, clayey shales dk gry, gry-green,, lt gry, clayey

shales It green, soft, silty to firm, blk,

It gry, clayey Is cream fn oolitic to chalky and fn xln dn

shales It green, soft, silty to firm, blk, It gry, clayey

CFS-45" RTD 3070-1779 at 10:43pm SHT at 3070' - 1 deg.

Is frags

Wed. 11-8-17 CFS-45" **Drop Survey TOOH F/Logs**

Pioneer WL Svc. on location at 1:30pm, finished logging at 4:35pm Wed. 11-8-17 LTD 3064-1773

Based on the results of DST 1 a decision was made to run 5-1/2" production casing for further evaluation

The Anderson Energy, Inc. Leis 2 was stopped short of the projected RTD of 3900'. A continuous loss or seepage of drilling fluids could not be

shut-off beginning at 2500' Rather than risk pushing a poor position it was elected to evaluate all prospective zones within the Kansas City Group and drill to a

point sufficient to view this interval

on elog suites

Short Trip 15 Stands at 2900' **CTCH-60"** Drop Survey - SHT at 2900' - 1 deg. Pipe Strap at 2900' - 1.08' short

to the board Andy's Mud Report at 2925' Andy's Mud Report at 2900' WT: 8.6, VIS: 52, WL: 7.6, CHL: 500 WT: 8.6, VIS: 66, WL: 7.6, CHL: 500 LCM: 16# LCM: 16# **DST 1) 2884-2900 (KC Swope)**

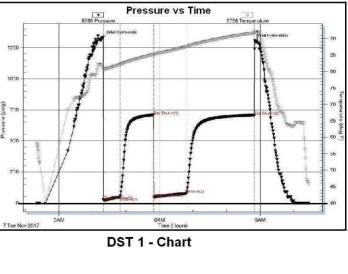
[30-60-60-120] Rec: 2170' Gas in Pipe 125' Gassy Oil - 37 API deg Gravity (10% g, 90% o)

65' Gassy Heavy Oil Cut Mud (40% g, 37% o, 3% w, 20% m) 190' - Total Fluid - 124' in Drill Collars

DST Test Number: 1

IFP: 25-46, FFP: 44-76 BHP: 709-707

Sarial #: 8788



Andy's Mud Report at 3000' WT: 8.7, VIS: 64, WL: 7.6, CHL: 500

LCM: 13#

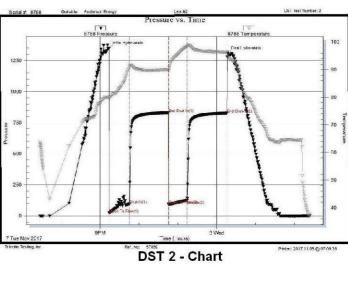
DST 2) 2902-2925 (KC Hertha) [30-60-30-60]

Rec: NO Gas In Pipe 125' Mud Cut Water (96% w, 4% m) 60' Mud Cut Water (85% water, 15% mud) 60' Water Cut Mud (15% w, 85% m) 245' - Total Fluid - 124' in Drill Collars

IFP: 22-96, FFP: 94-124 BHP: 829-827

chlorides of mud system: 500 ppm chlorides of formation water: 190,000 ppm resistivity of formation water: 0.90 ohm-m at 42 deg F

8788 Temperature



02/20/2018

Kansas Corporation Commission Conservation Division 266 N. Main Ste 220 Wichita, Kansas 67202-1513

Re: ACO-1 Leis #2

348' FNL + 1695' FWL

Sec 14-295-1W, Sedgwick Co., KS.

Gentleman,

We hereby request that the information contained in the above referenced ACO-1 be held confidential for a period of two (2) years.

Thank you for your assistance.

William & arkenon

Very Truly Yours,

William L. Anderson

President