#### KOLAR Document ID: 1415995

Confident	tiality Re	equested:
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

		DECODIDEIO		
WELL	HISTORY	- DESCRIPTIO	N OF WELL	& LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
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 #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
Oil WSW SWD 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	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. 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 #:	Location of fluid disposal if hauled offsite:
EOR         Permit #:           GSW         Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East _ West
Recompletion Date Reached TD Completion Date of 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 III Approved by: Date:					

#### KOLAR Document ID: 1415995

Operator Nar	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

**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 (Attach Additional Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c		] Ne	w Used rmediate, productio	on. etc.		
Purpose of String Size Hole Size Casing W				Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Depth Top Bottom Perforate Protect Cocing		Туре	e of Cement	# Sacks Use	d		Type and	Percent Additives	
Protect Casing     Plug Back TD     Plug Off Zone									
<ol> <li>Did you perform a hydra</li> <li>Does the volume of the</li> <li>Was the hydraulic fracture</li> </ol>	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole Perf.		Dually Comp.         Commingled           (Submit ACO-5)         (Submit ACO-4)		•	юр	Bollom
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Pioneer Oil Company, Inc.
Well Name	FICKEN 1-27
Doc ID	1415995

All Electric Logs Run

Dual induction
Dual Compensated Porosity
Micro-Resistivity
Sonic Log

Form	ACO1 - Well Completion
Operator	Pioneer Oil Company, Inc.
Well Name	FICKEN 1-27
Doc ID	1415995

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.675	23	359	common		2% gel 3% CC
Production	7.875	5.5	15.5	4069	AA-2 &A- conn	450	Cement to surface

RILOBITE	DRILL STEM TES	T REP	ORT				
	Pioneer Oil Co Inc		27	6s 26w 3	Sherdian	KS	
ESTING , INC	400 Main St Box 237		Fic	:ken 1-2	7		
	Vincennes IN 47501-0237		Job	Ticket: 64	4516	DST#	:1
	ATTN: Wyatt Urban		Tes	t Start: 20	018.03.20 @	02:59:00	
GENERAL INFORMATION:							
Formation:LKC " C "Deviated:NoWhipstock:Time Tool Opened:05:06:01Time Test Ended:10:55:00	ft (KB)		Tes	ter:	Conventiona Jim Svaty 76	al Bottom H	ole (Initial)
Interval:         3788.00 ft (KB) To         38           Total Depth:         3810.00 ft (KB) (TV         1000 ft (KB) (TV           Hole Diameter:         7.88 inches Hole	(D)		Ref	erence ⊟e KB t	evations: to GR/CF:	2638.0	0 ft (KB) 0 ft (CF) 0 ft
Serial #: 8400         Inside           Press@RunDepth:         316.75 psig           Start Date:         2018.03.20           Start Time:         02:59:01           TEST COMMENT:         15-IFP- BOB in 60           20 ISID         Surface	End Date: End Time:	2018.03.20 10:54:31	Capacity Last Cali Time On Time Off	b.: Btm: :	2018.03.20 2018.03.20	-	0 6
45-FFP- BOB in 8	3min. Irface Blow in 4min. Died in 26min		PI	RESSUF	RE SUMM	IARY	
1730	9400 Temperature	Time (Min.) 0	Pressure (psig) 1834.30	Temp (deg F) 99.59		o-static	
		1	48.60 154.13	99.09 113.26	1 ·		
			821.14		End Shut-		
		46 91	158.98 316.75	108.54	Open To F Shut-In(2)		
		181 181	824.25 1777.70	111.39 111.77	End Shut-	ln(2)	
20 Tue Mar 2018 Time (Hours) Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i		ure (psig)	Gas Rate (Mcf/d)
	Oil Spots 6.76			-!	Į	Į	
0.00 60 GIP	0.00						
Trilobite Testing, Inc	Ref. No: 64516				2018.03.20		

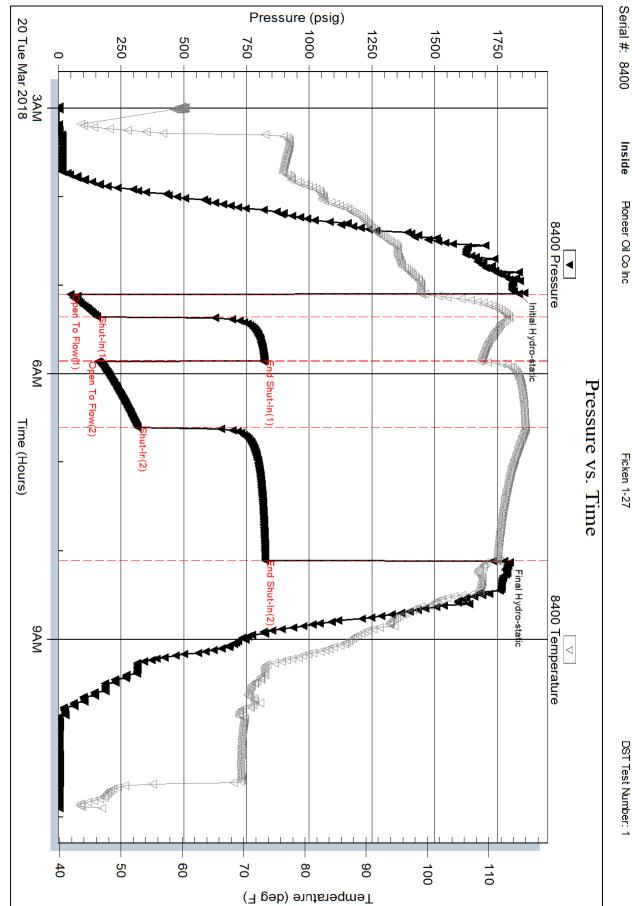
	DRILL STEM TES	ST REP	ORT			
RILOBITE	Pioneer Oil Co Inc		27 6s 26v	/ Sherdia	n KS	
ESTING , INC.	400 Main St Box 237		Ficken 1-	27		
	Vincennes IN 47501-0237		Job Ticket:	64516	DST	#: 1
	ATTN: Wyatt Urban		Test Start:	2018.03.20	@ 02:59:00	)
GENERAL INFORMATION:						
Formation:LKC " C "Deviated:NoWhipstock:Time Tool Opened:05:06:01Time Test Ended:10:55:00	ft (KB)		Test Type: Tester: Unit No:	Convention Jim Svaty 76	nal Bottom I	Hole (Initial)
Interval:3788.00 ft (KB) To38Total Depth:3810.00 ft (KB) (ThHole Diameter:7.88 inches Hole	/D)		Reference KI	⊟evations: B to GR/CF:	2638.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8960OutsidePress@RunDepth:psigStart Date:2018.03.20Start Time:02:59:01	@ 3789.00 ft (KB) End Date: End Time:	2018.03.20 10:54:46	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 2018.03 <i>.1</i>	00 psig 20
45-FFP- BOB in 8	Blow in 2 1/2min. 3min. urface Blow in 4min. Died in 26mir	ı.	PRESSI	JRE SUMI	MARY	
2000 - 20000 - 20000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 -	Si Contra da Co	Time	Pressure Temp			
1750 500 500 700 700 700 700 700			(psig) (deg F	-) 		
Recovery			G	as Rates		
Length (ft) Description	Volume (bbl)		Chok	e (inches) Pres	sure (psig)	Gas Rate (Mcf/d)
630.00         MCW 10%m 90%w         W/           0.00         60 GIP	Oil Spots 6.76 0.00					
Trilobite Testing, Inc	Ref. No: 64516		Drinto	d: 2018.03.2	0 0 11 17	10

	r DR	ILL STEM TE	EST REPOF	RT	FI	UID SUMMARY	
	E Pionee	er Oil Co Inc		27 6s 26w	Sherdian KS		
TESTIN	Vince	ain St Box 237 nnes IN 47501-0237 Wyatt Urban		Job Ticket: 6	Ficken 1-27           Job Ticket: 64516         DST#:1           Test Start: 2018.03.20 @ 02:59:00		
Mud and Cushion Inforn	nation						
Mud Type:Gel ChemMud Weight:9.00 lb/gaViscosity:52.00 sec/Water Loss:7.20 in³Resistivity:ohmSalinity:1500.00 ppmFilter Cake:2.50 inch	al /qt 1.m	Cushion Type Cushion Leng Cushion Volu Gas Cushion Gas Cushion	gth: ime: Type:	ft bbl psig	Oil API: Water Salinity:	deg API 68000 ppm	
Recovery Information							
		Recovery 1	able				
	Length ft	Descriptio	on	Volume bbl	]		
	630.00 0.00	MCW 10%m 90%w 60 GIP	W/ Oil Spots	6.759			
Total L		).00 ft Total Volu	ıme: 6.759 b	•	-		
		Laborator ampler 2000ml Water . 14 @ 37	y Location: 160 @ 39 = 90000				
Trilobite Testing, Inc		Ref. No: 64516			: 2018.03.20 @ 1	4.47.42	

Printed: 2018.03.20 @ 11:17:13

Ref. No: 64516





Ficken 1-27

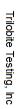
Inside

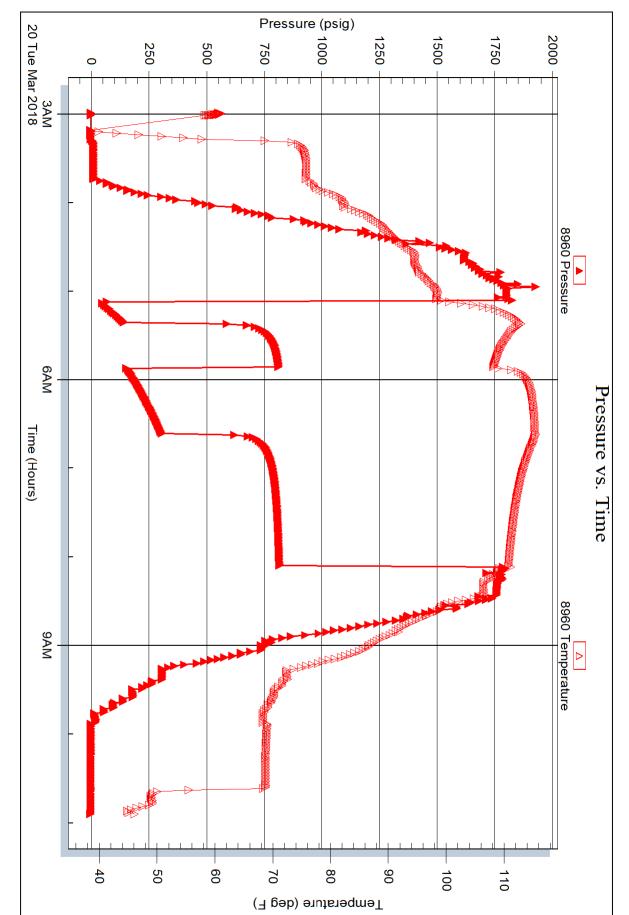
Pioneer Oil Co Inc

DST Test Number: 1

Printed: 2018.03.20 @ 11:17:13

Ref. No: 64516





Ficken 1-27

DST Test Number: 1

Serial #: 8960 Outside Pioneer Oil Co Inc

	DRILL STEM TES	ST REP	ORT				
RILOBITE	Pioneer Oil Co Inc		27 6	6s 26w 3	Sherdian I	KS	
ESTING , I	VC. 400 Main St Box 237 Vincennes IN 47501-0237		Fick	ken 1-2 <sup>°</sup>	7		
			Job 7	Ticket: 64	1517	DST#: 2	
	ATTN: Wyatt Urban		Test	Start: 20	)18.03.20 @	17:22:00	
GENERAL INFORMATION:							
Formation:     LKC " D "       Deviated:     No     Whipstoc       Time Tool Opened:     20:08:16       Time Test Ended:     01:28:00	k: ft (KB)		Test Teste Unit I	er:	Conventional Jim Svaty 76	Bottom Hole	e (Reset)
	3823.00 ft (KB) (TVD)		Refe	rence 🖂	evations:	2646.00	
Total Depth:3823.00 ft (KB)Hole Diameter:7.88 inches	(TVD) Hole Condition: Fair			KB t	o GR/CF:	2638.00 8.00	
Serial #: 8400 Inside							
Press@RunDepth: 43.33 ps			Capacity:			8000.00	psig
Start Date: 2018.03.1		2018.03.21	Last Calib			018.03.21	
Start Time: 17:22:	01 End Time:	01:27:46	Time On E Time Off E		2018.03.20 @ 2018.03.20 @		
90-FSIP- No Pressure	vs. Time		PR	ESSUF	RE SUMMA	\RY	
T 8400 Pressure		Time	Pressure	Temp	Annotation		
		(Min.)	(psig)	(deg F)			
100		0	1844.86 18.84	98.96 98.62	-		
		16	26.22	101.70		<b>W</b> (1)	
7230		46	837.99		End Shut-In	(1)	
		46	27.40		Open To Flo	ow (2)	
	- <b>50</b>	91	43.33		Shut-In(2)	( <b>-</b> )	
700		181 181	829.93 1742.92	107.01 107.36	End Shut-In Final Hydro-		
6 <b>FN 9FN</b> 20 Tue Mar 2018 Time (	21 Wed Hours)						
Recove	ry			Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pressure	e (psig) Gas	Rate (Mcf/d)
30.00 MCW 30%m 70%w	Oil Spots 0.22				-		
* Recovery from multiple tests							

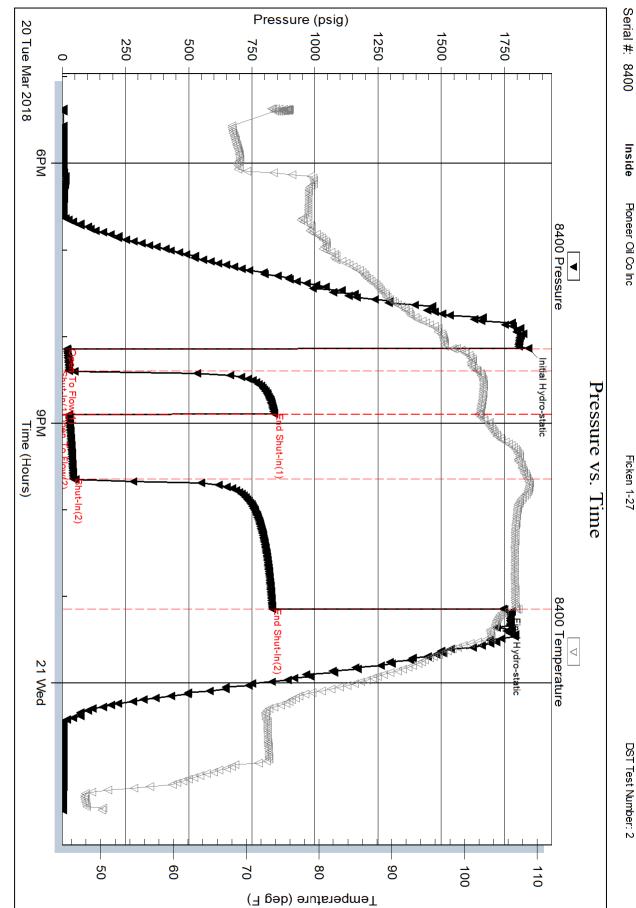
	DRILL STEM TES	ST REP	ORT				
	Pioneer Oil Co Inc		27 6	s 26w	Sherdiar	ı KS	
ESTING , INC.	400 Main St Box 237 Vincennes IN 47501-0237		Ficken 1-27				
			Job T	icket: 64	4517	DST#:2	
	ATTN: Wyatt Urban		Test	Start: 20	018.03.20 @	@ 17:22:00	
GENERAL INFORMATION:							
Formation:LKC " D "Deviated:NoWhipstock:Time Tool Opened:20:08:16Time Test Ended:01:28:00	ft (KB)		Test Teste Unit N	er:	Convention Jim Svaty 76	al Bottom Hole (Reset)	
Interval: 3809.00 ft (KB) To 38	323.00 ft (KB) (TVD)		Refe	rence Ele	evations:	2646.00 ft (KB)	
Total Depth: 3823.00 ft (KB) (T	√D) e Condition: Fair					2638.00 ft (CF)	
Hole Diameter: 7.88 inches Hole	e Condition: Fair			KB	to GR/CF:	8.00 ft	
Serial #: 8960 Outside Press@RunDepth: psig	@ 3810.00 ft (KB)		Capacity:			8000.00 psig	
Start Date: 2018.03.20	End Date:	2018.03.21	Last Calib.	.:		2018.03.21	
Start Time: 17:22:01	End Time:	01:27:46	01:27:46 Time On Btm: Time Off Btm:				
90-FSIP- No Blov Pressure vs. 7			PR	ESSUF	RE SUMM	IARY	
520 Prosure	BSD Temperature 100 100 100 100 100 100 100 10	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotat	ion	
Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (	inches) Press	ure (psig) Gas Rate (Mcf/d)	
30.00 MCW 30%m 70%w Oil	Spots 0.22						
* Recovery from multiple tests	++						

	DRI	LL STEM TE	ST R	EPORT	-		FLUID SUMMARY
RILOBITE	Pionee	· Oil Co Inc			27 6s 26w	Sherdian K	(S
ESTING , INC.	Vincennes IN 47501-0237				Ficken 1-2 Job Ticket: 6 Test Start: 2	<b>DST#: 2</b> 7:22:00	
Mud and Cushion Information		-					
Mud Type:Gel ChemMud Weight:9.00 lb/galViscosity:50.00 sec/qtWater Loss:7.60 in³Resistivity:ohm.mSalinity:2500.00 ppmFilter Cake:2.50 inches		Cushion Type: Cushion Lengt Cushion Volur Gas Cushion T Gas Cushion F	th: ne: Γγpe:		ft bbl psig	Oil API: Water Salinity:	deg API 53000 ppm
<b>Recovery Information</b>							
	u_	Recovery Ta			) / - !	7	
Leng ft	th	Descriptior	ו		Volume bbl		
	30.00		Oil Spots		0.220	<u>ט</u>	
Total Length: Num Fluid Samp Laboratory Nan Recovery Comr	oles:0 ne: nents:Sa	.00 ft Total Volur Num Gas E Laboratory npler 2000ml Water 30 @ 35	Bombs: Location:		Serial # n 200psi	:	
	.23	<i>ou @ 35</i>					

Printed: 2018.03.21 @ 07:23:56

Ref. No: 64517



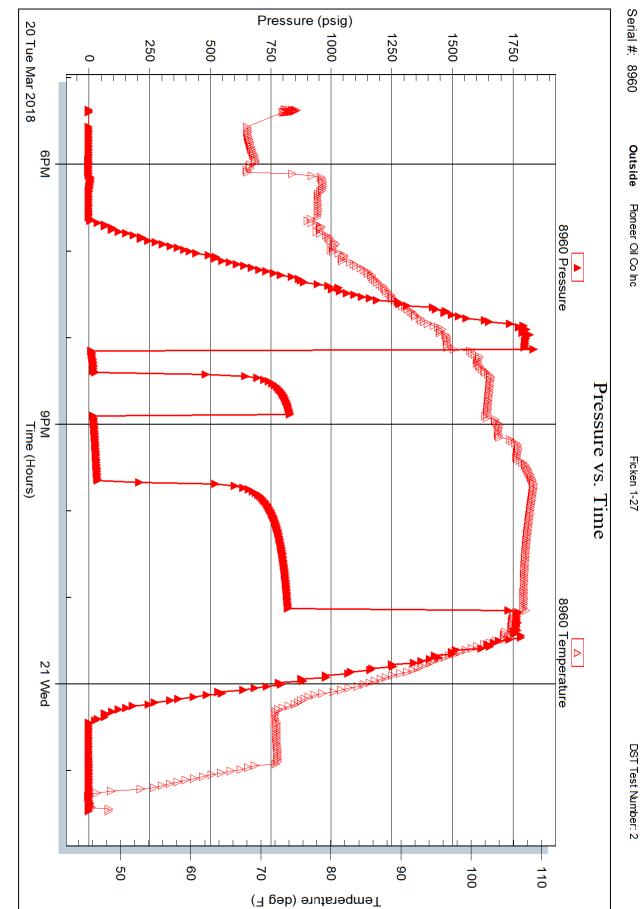


DST Test Number: 2

Printed: 2018.03.21 @ 07:23:57

Ref. No: 64517





DST Test Number: 2

Serial #: 8960 Outside

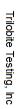
RILOBITE	DRILL STEM TES	ST REPO	ORT				
	Pioneer Oil Co Inc		27 (	6s 26w \$	Sherdian	KS	
ESTING , INC	400 Main St Box 237 Vincennes IN 47501-0237			<b>ken 1-2</b> 7 Ticket: 64		DST#:	3
	ATTN: Jim Musgrove				)18.03.21 @		•
GENERAL INFORMATION:							
Formation:LKC " F "Deviated:NoWhipstock:Time Tool Opened:10:32:31Time Test Ended:15:54:00	ft (KB)		Test Test Unit	er:	Conventiona Jim Svaty 76	l Bottom Ho	le (Reset)
Interval:3830.00 ft (KB) To385Total Depth:3854.00 ft (KB) (TVHole Diameter:7.88 inches Hole	D)		Refe	erence Ele KB t	evations: o GR/CF:	2646.00 2638.00 8.00	ft (CF)
	End Date: End Time: Blow Building to 1 3/4in. Blow Building to 2 1/4in.	2018.03.21 15:54:01	Capacity: Last Calib Time On E Time Off	o.: Btm: 2	2018.03.21 ( 2018.03.21 (	-	
90-FSIP- No Blow Pressure vs. Ti	те		PF	RESSUR	RE SUMM	ARY	
200 Fisure 100 Fi	BUT Corporations BUT Corporat		Pressure (psig) 1864.39 22.92 30.48 927.99 35.46 46.31 931.46 1750.49		Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	o-static ow (1) n(1) ow (2) n(2)	
Recovery			•		s Rates		
Length (ft)         Description           35.00         WCM 30%w 70%m	Volume (bbl) 0.26			Choke (i	nches) Pressu	re (psig) G	as Rate (Mcf/d)
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 64518			<u> </u>	2018.03.21	<u> </u>	

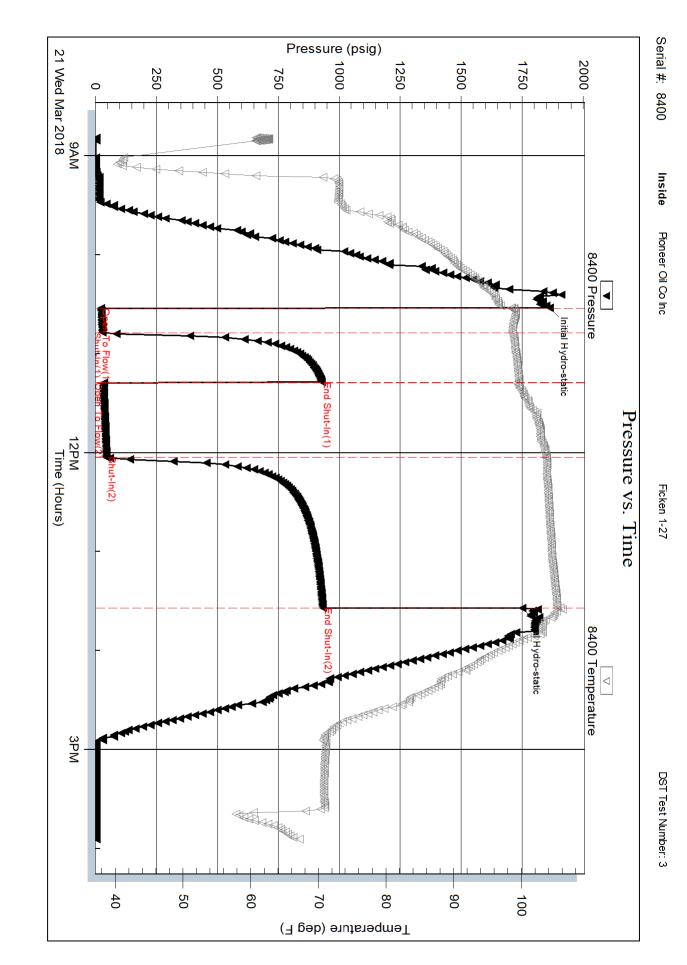
35.00     WCM 30%w 70%m     0.26		DRILL STEM TES		ORT			
Vincennes N47501-0237     Job Taket 64518     DST#:3       ATN: Jim Musgrove     Test Start: 2018.03.21 @ 08.49.00       GENERAL INFORMATION:       Formation:     LKC "F"       Deviated:     District 64518     DST#:3       Time Tool Opened: 10.32.31     Test Type:     Conventional Bottom Hole (Rese       Time Tool Opened: 10.32.31     Test Type:     Conventional Bottom Hole (Rese       Time Tool Opened: 10.32.31     Test Type:     Conventional Bottom Hole (Rese       Time Tool Opened: 10.32.31     Test Type:     Conventional Bottom Hole (Rese       Time Tool Opened: 10.32.31     Test Type:     Conventional Bottom Hole (Rese       Bernater:     328.400 ft (KB) (TVD)     Reference Bevalons:     246.00 ft (KB)       Serial #:     396.000 tt (KB)     Time:     2018.03.21     Last Calb::     2018.03.21       Serial #:     396.400 tt (KB)     Time:     15:64.01     Time Off Birn       TEST COMMENT:     1:FP: Surface Blow Building to 1 34in.     30:FBP: No Blow     10:Firstime Birl     10:Firstime Birl       Generet:     0:FBP: No Blow     Time     Time     Time Off Birn     Annotation       TEST COMMENT:     1:FP: Surface Blow Building to 2 1/4in.     10:FBP: No Blow     Surface     Time       Generet:     0:FBP: No Blow     Time     Gas Rates		Pioneer Oil Co Inc		27 6s 26	w Sherdia	n KS	
ATTN: Jm Musgrove Test Start: 2018.03.21 @ 08.49.00  GENERAL INFORMATION: Formation: LKC "F" Deviated: No Whipstock: ft (KB) Time Tool Opened: 10.32.31 Time Tool Opened: 10.32.31 Time Test Edds: 155.400 Unit No: 76 Interval: 3383.00 ft (K9) TO 3854.00 ft (KB) (TVD) Tool Opened: 10.32.31 Time Tool Opened: 10.32.01 ft (K9) (TVD) Tool Opened: 7.88 inches bloc Condition: Far KB to GROFF: 8.00 ft KB to GROFF:	ESTING, INC.	400 Main OL DOX 201		Ficken 1	-27		
GENERAL INFORMATION: GENERAL INFORMATION: Formation: LKC*F* Deviated: No Whipstock: ft (KB) The Test Ended: 15:54:00 Interval: 3830.00 ft (KB) TO 3854.00 ft (KB) (TVD) Tatal Daph: 3864.00 ft (KB) TO 3854.00 ft (KB) (TVD) Hele Dameter: 7.88 inchesHele Condition: Fair Serial #: 8960 Outside Press@RunDepth:: 2018.03.21 End Date: 2018.03.21 Start Date: 2018.03.21 End Date: 2018.03.21 Thre: 08:49:01 End Time: 2018.03.21 Time On Birn TEST COMMENT: 15-IFP. Surface Blow Building to 1 3/4in. 30-F3Fr. No Blow 45-FFF. Surface Blow Building to 2 1/4in. 90-F3Fr. No Blow 45-FFF. Surface Blow Building to 2 1/4in. 90-F3Fr. No Blow 45-FFF. Surface Blow Building to 2 1/4in. 45.50.0 Capacity: 2018.03.21 Code(indee) Presser (pig) Gas Rate(Ma Code(indee) Presser (pig) Gas Rate(Ma		Vincennes in 47501-0237		Job Ticket	64518	DST#	: 3
Formation: LKC*F* Deviated: No Whipstock ft (KB) Test Type: Conventional Bottom Hole (Rese The Tool Openet: 10.32.31 The Test Ended: 15.54:00 Linterval: 338.0.01 (KB) Too 336.4.00 ft (KB) (TVD) Total Depth: 386.40 0 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Fair Serial #: 8960 Outside Press@RunDepth: psig @ 3831.00 ft (KB) Start Date: 2018.03.21 End Date: 2018.03.21 LastCall: 2018.03.21 Start Date: 2018.03.21 LastCall: 2018.03.21 Start Date: 2018.03.21 S		ATTN: Jim Musgrove		Test Start:	2018.03.21	@ 08:49:00	
Deviate: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Rese Time Tool Opened: 10:32:31 Time Test Ended: 15:54:00 Interval: 3330.00 ft (KB) To 3854.00 ft (KB) (TVD) Total Depth: 3854.00 ft (KB) (TVD) Heb Dameter: 7.88 in ches Hole Condition: Fair KB to GRICE: 8000.00 psig Sart Date: 2018.03:21 End Date: 2018.03:21 Last Calib: 2018.03:21 Sart Date: 08:49:01 End Time: 15:54:01 Time Of Birr TEST COMMENT: 15:FP: Surface Blow Building to 1 3/4in. 30-SFIP No Blow 45:FFP Surface Blow Building to 2 1/4in. 90-SFIP No Blow 45:FFP Surface Blow Building to 2 1/4in. 90-SFIP No Blow 15:54:01 Time Of Birr Test Comments: 15:54:01 Time Of Birr Time Off Birr Test Comments: 15:54:01 Time Off Birr Time Off Birr Tim	GENERAL INFORMATION:						
Total Depti:       3854.00 ft (KB) (TVD)       2638.00 ft (CF)         Hole Dameter:       7.88 inches Hole Condition: Fair       KB to GRICF:       8.00 ft         Serial #: 9960       Outside       9989 @ 3831.00 ft (KB)       Capacity::       8000.00 psig         Start Dite:       2018.03.21       End Date:       2018.03.21       Last Calib::       2018.03.21         Start Time:       08.49.01       End Time:       15:54.01       Time On Bitw       Time Off Bitw         TEST COMMENT:       15:FP- Surface Blow Building to 1 3/4in.       30:JSIP. No Blow       45:FPP. Surface Blow Building to 2 1/4in.       90-FSIP. No Blow         Reserver. Time         PRESSURE SUMMARY         Time Off Bitw         Time Or Summary of the summary of t	Deviated: No Whipstock: Time Tool Opened: 10:32:31	ft (KB)		Tester:	Jim Svaty	nal Bottom H	ole (Reset)
Press@RunDepth: psig @ 3831.00 ft (KB) Capacity: 8000.00 psig Start Date: 2018.03.21 End Date: 2018.03.21 East Calib: 2018.03.21 Start Time: 08.49.01 End Time: 15.54.01 Time Off Btm TEST COMMENT: 15.FP. Surface Blow Building to 1 3/4in. 30-SIP- No Blow 45-FFP. Surface Blow Building to 2 1/4in. 90-FSIP- No Blow <b>PRESSURE SUMMARY</b> <b>PRESSURE SUMMARY</b> <b>PRESSURE SUMMARY</b> (Mn.) Pressure Temp Annotation (deg F) Annotation <b>Recovery</b> <b>Capacity: 8000.00 psig</b> <b>Christian Structures</b> <b>Christian Structures</b>	Total Depth: 3854.00 ft (KB) (TV	/D)				2638.0	0 ft (CF)
Start Date: 2018.03.21 End Date: 2018.03.21 Last Calib.: 2018.03.21 Start Time: 08.49.01 End Time: 15:64.01 Time On Btrr: Time Of Btrr: Time O	Serial #: 8960 Outside						
Start Time: 08.49.01 End Time: 15:54.01 Time On Btm: TEST COMMENT: 15:FPP. Surface Blow Building to 1 3/4in. 30:SIP. No Blow 45:FPP. Surface Blow Building to 2 1/4in. 90-FSIP. No Blow			2019 02 24				
TEST COMMENT: 15-FFP. Surface Blow Building to 1 3/4in. 30-FSIP. No Blow 35-FFP. Surface Blow Building to 2 1/4in. 90-FSIP. No Blow The surface Blow Building to 2 1/4in. 90-FSIP. No Blow PRESSURE SUMMARY Time Pressure (psig) (deg F) Annotation (mn.) (psig) (deg F) (deg F) Annotation Time (psig) (deg F) Conter (inclus) Pressure (psig) Cas Rate (Mn.) Strate (inclus) Pressure (psig) Cas Rate (Mn.) Strate (inclus) Pressure (psig) Cas Rate (Mn.) Strate (inclus) Pressure (psig) Cas Rate (Mn.)						2010.03.2	1
30-ISIP- No Blow 45-FFP. Surface Blow Building to 2 1/4in. 90-FSIP- No Blow Time PRESSURE SUMMARY Time (psig) (ag F) Annotation (deg F) Annotation (deg F) Annotation Time (psig) (ag F) Annotation Time (psig) (ag F) Annotation (deg F) Anno				Time Off Btm:			
International and the second secon	90-FSIP- No Blov Pressure vs. 7	V īme		PRESS	URE SUMI	MARY	
Length (ft)       Description       Volume (bbl)         35.00       WCM 30%w 70%m       0.26         Image: Control of the con			(Min.)			ition	
35.00     WCM 30%w 70%m     0.26	Recovery				Gas Rates		
Image: Constraint of the second se				Cho	oke (inches) Pres	ssure (psig)	Gas Rate (Mcf/d)
* Percence of from multiple tests	35.00 VVCW 30%W 70%m	0.26					
* Percentru from multiple tests							
* Decempro from multiple tests							
	* Recovery from multiple tests						

		ILL STEM TEST R	EPORT	-	F	LUID SUMMARY	
	TE NG , INC 400 M	er Oil Co Inc		27 6s 26w	Sherdian KS	6	
I ESTI		ain St Box 237 nnes IN 47501-0237		Ficken 1-27 Job Ticket: 64518		DST#:3	
	ATTN	Jim Musgrove		Test Start: 20	018.03.21 @ 08	:49:00	
Mud and Cushion Info	rmation						
Mud Type:Gel ChemMud Weight:9.00 lb,Viscosity:47.00 seWater Loss:7.60 inResistivity:ofSalinity:2500.00 ppFilter Cake:2.00 in	ec/qt 3 nm.m pm	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:			Oil API: Water Salinity:	deg API 12000 ppm	
Recovery Information							
г		Recovery Table			1		
	Length ft	Description		Volume bbl			
[	35.00	WCM 30%w 70%m		0.257	]		
Tota	al Length: 3	5.00 ft Total Volume:	0.257 bbl				
		Laboratory Location: ampler800ml-Mud1200ml-Wate		= 23000ppm	220psi		
		Ref. No: 64518			2018 03 21 @		

Printed: 2018.03.21 @ 16:27:06

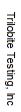
Ref. No: 64518

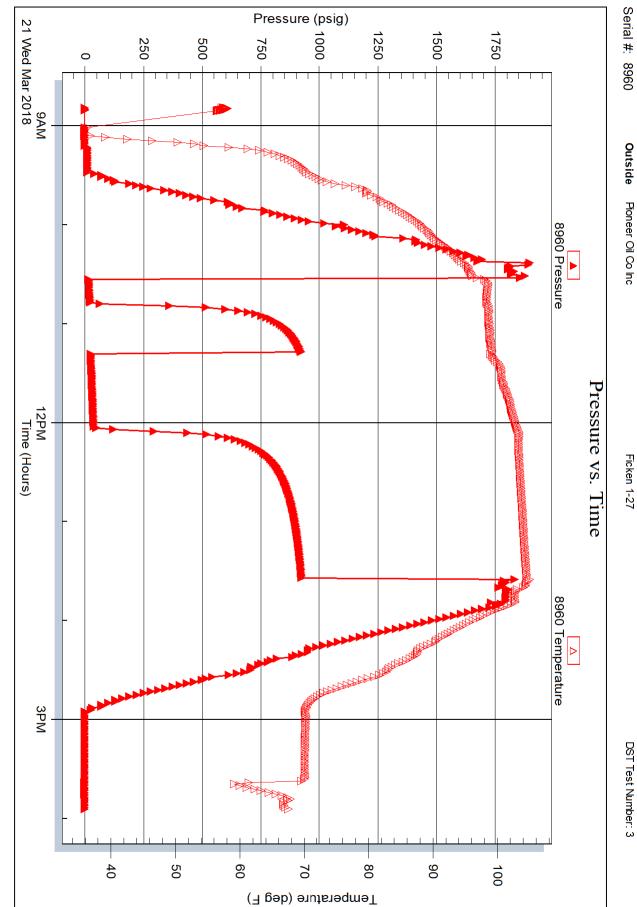




Printed: 2018.03.21 @ 16:27:06

Ref. No: 64518





Ficken 1-27

Pioneer Oil Co Inc

DST Test Number: 3

		REMIT TO		1		MAIN OFFICE
	P	essure Pumpir Dept:970 .O.Box 4346 on,TX 77210-4		P.O.Box884 Chanute,KS 66720 0,1-800/467-8676 Fax 620/431-0012		
Invoice				Invoice#	812	675
Invoice Date: 03/20/18		Terms:	Net 30		Page	1
PIONEER OIL CO BOX 142-B RR4 LAWRENCEVILLE IL 624 USA 6189435314	439		FICKEN			
	cription		uantity		Discount(%)	Total
	nent Pump Charge 301' - 500' albed/Methane)		1.000	1,150.0000	30.000	805.00
CEUUUZ	ipment Mileage Charge - Heavy ipment		40.000	7.1500	30.000	200.20
CE0710 Cem	nent Delivery Charge		1.000	855.6000	30.000	598.92
CC5871 Surfa	ace Blend II, 2% Gel/3% CaCl		260.000	24.0000	30.000	4,368.00
					Subtotal	8,531.60
				Discounte	d Amount	2,559.48
				SubTotal After	Discount	5,972.12
						oaid after 04/19/18
					Tax:	371.28
					Total: ========	6,343.40

Mar. 19. PRESSUR	2018 3:424					TICKET NUM LOCATION FOREMAN	o. 0536 P. BER <u>550</u> Collector Walt	)65 K3 Din ka V
	Chanute, KS 6672 0 or 800-467-8676	10	ELD TICKE	CEMEN	<b>FMENT REP</b> T	ORT IN	olie #81:	2675
DATE	CUSTOMER #		LL NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
3-15-18	6224	FI	eken #1	-27	27	23	260	Sheridan
	0	s'l n		Studley		a a state a second		the second se
MAILING ADDRE	oneer (	21 Co		1.00	TRUCK #	DRIVER	TRUCK #	DRIVER
	Box 142	-B RR	4	9/2N - Wis,	566	Paul Will	Vama	
Lankince	vilk	STATE	ZIP CODE 62439	<i>wis</i> ,				
JOB TYPE 5	orFace	HOLE SIZE	1214	HOLE DEPTH	359	CASING SIZE &	WEIGHT 7	5/8-24tt
CASING DEPTH	3.59	DRILL PIPE					OTHER	
SLURRY WEIGHT	<u>1512</u>	SLURRY VOL		WATER gal/sl	<	CEMENT LEFT in		-20'
DISPLACEMENT	21%	DISPLACEME	NT PSI	MIX PSI			Pm	
REMARKS: 5	stety May	Fuse 1	Ber UP ON	Discou	tors #1	CITC P	asine non	batton
mix 2	60-5K3 C	om, 3%	ac-2%	Coly Dr	splace	21 12 BOZ H	20, 54,07	- m
		·	Cono	+ DI	OCir-	8.10 <sup>2</sup>		
				1 <i>µ~1</i> G				
			14	Coller				
					Th	ante Xoo		
· · · ·	izei.	,				Light + 01	rew	
	QUANITY	or UNITS	DE	SCRIPTION of	SERVICES or PRO	TODUCT	UNIT PRICE	TOTAL
Ceo 471		12	PUMP CHARG	E .			1,15000	1,15000
Convoz J	40	-	MILEAGE		N		113	28600
Ceo 710	12.2	2	Ton M.	ease De	line		195	855 60
					107.1			
CC 5871	26	<u>0 5Ks</u>	SULFEC	e Bland	<u>II</u>		2400	6,240.00
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		• •						2 mila
		····				· · · · · · · · · · · · · · · · · · ·	<i>d</i> )-	8,53160
			-			Less 3	0%	2 559 40
			-					2772 -
						8.5%	SALES TAX	371.28
Aevin 3737	-	/	<u> </u>			V <sup>1-</sup>	ESTIMATED	124240
	Allman.	, /(,	)				TOTAL	VJISTU
AUTHORIZTION 2	Se Ill	Thek		TITLE			DATE	

I a Received Time Mar. 19 1201817 3: 42AM No. 2207Ily amended in writing on the front of the form or in the customer's account records, at our onice, and continuing of service on the back of this form are in effect for services identified on this form

BASIC

### Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

Customer:	Pion	eer Oil Compa	iny		Cement Pump No.:	38750, 198	42 5Hrs.	Operator TRK No.:	968	16		
Address:		PO Box 237			Ticket #:	1718 15	575 L	Bulk TRK No.:	19889, 21010 Rilev	14355, 3772 Angel		
City, State, Zip:		ennes, IN 475	91		Job Type:		Z42 - Cement Production Casing					
Service District:		8 - Liberal, K			Well Type:		OIL					
II Name and No.:		Ficken 1-27			Well Location:	27,6,26	County:	Sheridan	State:	K		
					Additives			Truck Loa				
Type of	Cmt	Sacks								Deals		
A-Con' I	Blend	275			Chloride, 1/4# Poly		19889, 21	010 Riley	Front	Back		
AA	2	175	5% W-6	60, 109	% Salt, .5% C-17, 1/ Gilsonite	4# Defoamer, 5#	14355, 37	724 Angel	Front	Back		
Premium /	Common	50			Neat (Rat & Mous	ə)	14355,	37724	Front	Back		
Lead/	Tail:	Weight #1 Gal.	Yiel	d	Water Requ	uirements	CU. FT.	Man	Hours / Person	nnel		
Lea	d:	11.2	3.1	6	19.6	33	869	TT Man Hours:	69.	5		
Tai	il:	14.8	1.5	1	6.6	5	264.25	# of Men on Job:	4			
Time		Volume	Pum	nps	Pressu	ire(PSI)	D	escription of Ope	ration and Materia	s		
(am/pm)	(BPM)	(BBLS)	Т	С	Tubing	Casing						
4:00								ON LOC	ATION			
5:30								SAFETY N	NEETING			
5:45 AM							RIG UP					
6:45 AM							RIG TO CIRCULATE					
7:55 AM							RIG TO P.T.					
8:03							PRESSURE TEST TO 2800PSI					
8:06	5.6	11.9				430	PUMP 500 GALLONS MUD FLUSH					
8:09 AM	4.9	20				420	PUMP 20BBLS 2% KCL WATER					
8:13	6.5	154.7 slurry				570	PUMP 275SX LEAD @ 11.2#					
8:33	6.8	47.0 slurry				170			TAIL @ 14.8#			
8:41							SHL		ROP PLUG / W	/.P		
8:46	7.1	10				250		DISPI	LACE			
	4.8	20				130						
	6	30				210						
	6.2	40		_		380						
	6.2	50				450						
	5.6	60		_		660						
	4.3	70				740			-			
	4.1	80		_		950	01.0			DOL		
9:02	4	86				1030	SLO	W RATE TO 2	2.0BPM @ 910	1691		
	2	90		-		970			SURE UP TO 1	FOUDEI		
9:05	1.9	95.9				1010			PLUG DID NO			
9:07					00.041		TYPE	and the second se	Plug Containe			
Size Hole	7 7/8"	Depth	1000		80.64' New / Used		Packer		Depth			
	5 1/2" 15.5#		4069	.04	New / Used		Retainer		Depth			
Landing Press. Shoe Jt.	871.8psi 38.60'	Depth					Perfs		CIBP			
0100 JL.	30.00	Туре				Basic Represe			Daniel Beck			
Customer Sig	inature: \ /	Rich	Ċ,	Pa	5	Basic Represe Basic Signatu		Dame	al Be	R		
ousionier alg		1 -10	-	-/	K	Date of Servic		3/24/2018				

## STATE OF KANSAS

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



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

GOVERNOR JEFF COLYER, M.D. Shari Feist Albrecht, Chair | Jay Scott Emler, Commissioner | Dwight D. Keen, Commissioner

July 18, 2018

Brandi Stennett Pioneer Oil Company, Inc. 400 MAIN STREET PO BOX 237 VINCENNES, IN 47501-0237

Re: ACO-1 API 15-179-21440-00-00 FICKEN 1-27 SE/4 Sec.27-06S-26W Sheridan County, Kansas

Dear Brandi Stennett:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 03/15/2018 and the ACO-1 was received on July 18, 2018 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

**Production Department**