KOLAR Document ID: 1603667

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:							
Address 2:	Feet from North / South Line of Section						
City: State: Zip: +	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	Field Name:						
	Producing Formation:						
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:						
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:						
☐ OG ☐ GSW	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 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)						
Described	Chloride content: ppm Fluid volume: bbls						
☐ Commingled Permit #:	Dewatering method used:						
SWD Permit #:	Location of fluid disposal if hauled offsite:						
EOR Permit #:	Location of fluid disposal if flauled offsite.						
GSW Permit #:	Operator Name:						
	Lease Name: License #:						
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R						
Recompletion Date Recompletion Date	County: Permit #:						

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY									
Confidentiality Requested									
Date:									
Confidential Release Date:									
Wireline Log Received Drill Stem Tests Received									
Geologist Report / Mud Logs Received									
UIC Distribution									
ALT I II Approved by: Date:									

KOLAR Document ID: 1603667

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		Log Formation (Top), Depth and Dat			Sample			
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Datum				
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No								
		B	CASING eport all strings set-c		New Used	ion, etc.					
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives			
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD						
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	Type and Percent Additives						
Perforate Protect Casi Plug Back T											
Plug Off Zor											
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,			
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)					
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity			
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom			
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT			
,	,			B.11 B1							
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)						
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:							
TODING RECORD:	. 3126.	Set	n.	i donei Al.							

Form	ACO1 - Well Completion
Operator	Darrah Oil Company, LLC
Well Name	PANTHER RANCH 1-30
Doc ID	1603667

All Electric Logs Run

dual induction
micro
comp density/neutron
sonic

Form	ACO1 - Well Completion
Operator	Darrah Oil Company, LLC
Well Name	PANTHER RANCH 1-30
Doc ID	1603667

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	32	250	h-325	125	3%cc 2%gel 1.2#/sc fenoseal
Production	7.825	5.5	15	2393	h-long	100	1#/sx phenoseal





Remit To: Hurricane Services, Inc.

250 N. Water, Suite 200 Wichita, KS 67202 316-303-9515

Customer:

DARRAH OIL C/O JOHN JAY DARRAH JR PO BOX 2786

WICHITA, KS 67201-2786

Invoice Date: Invoice #: Lease Name: Panther Ranch

Well #: County: Job Number:

District:

EP2683 El Dorado

9/7/2021

0355316

1-30 (New)

Chase, Ks

0,000	0.000	
	0.000	0.00
50.000	3.600	180.00
50.000	1.800	90.00
371.000	1.350	500.85
1.000	675.000	675.00
150.000	18.000	2,700.00
	50.000 371.000 1.000	50.000 1.800 371.000 1.350 1.000 675.000

9000

4,145.85 Total

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

Hurricane Services, Inc. 250 N. Water St., Suite #200 Wichita, KS 67202



1055 3 15 10 Vibra					\sim							
Customer	Darrah Oll Co		Lease & Well #	Panther Ranci	h # 1-30			Date		9/7/2021		
Service District	El Dorado		County & State	Chase, KS	Legals S/T/R	30-19	30-19S-6E			EP2683		
Job Type	Surface	□ PROD	□ INJ	□ SWD	New Well?	☑ YES	□ No	Ticket#		EP2683		
Equipment#	Driver		Job Safety Analysis - A Discussion of Hazards & Safety Procedures									
91	Kevin	☑ Hard hat		☑ Gloves		□ Lockout/Tag	out	□ Warning Sigr	ns & Flagging			
265	Garret	☐ H2S Monitor		☐ Eye Protection	วก	☐ Required Pe	rmits	☐ Fall Protectio				
294	T.C.	☐ Safety Footwe		□ Respiratory F	Protection	☐ Slip/Trip/Fal	l Hazards	☑ Specific Job S	sequence/Exr	pectations		
		☐ FRC/Protective	e Clothing	☐ Additional Cl	hemical/Acid PPE	☑ Overhead H	azards	☑ Muster Point	•			
		☑ Hearing Prote	ction	☑ Fire Extinguis	sher	☐ Additional c	oncerns or is	issues noted below				
					Co	mments						
		_										
Bard WO :					Market Street							
Product/ Service Code		Dose	ription		0-5-61				DO CO			
M010	Heavy Equipment		трион		Unit of Measure					Net Amount		
M015	Light Equipment N				mi	50.00				\$180.00		
M020	Ton Mileage				tm	50.00			-	\$90.00		
					un	371.00			+	\$500.85		
C010	Cement Pump Se	rvice			ea	1.00			 			
				(1)(S)(S)(S)(S)(S)(S)(S)(S)(S)(S)(S)(S)(S)		1.00			-	\$675.00		
Cp015	H-325				sack	150.00		-	 	62 700 00		
						100,00			 	\$2,700.00		
									1			
									 			
Custon	ner Section: On II	he following scale ho										
Ouston	ner Section, On a	ne rollowing scale no	ow would you rate H	urricane Service	s Inc.?				Net:	\$4,145.85		
Bas	ed on this job, ho	ow likely is it you w	ould recommend l	ISI to a collegg	1102	Total Taxable	\$ -	Tax Rate:				
				Comment of the Commen		State tax laws dee used on new wells	to be sales ta	x exempt.	Sale Tax:	\$ -		
223	1000					Hurricane Service: well information at	relies on the	customer provided				
Uni	kely 1 2	3 4 5	6 7 8	9 10	Extremely Likely	services and/or pri			Total:	\$ 4,145.85		
						HSI Represe	ntative:	Kevin Noelle	ı			
RMS: Cash in advance	e unless Hurricane	Services Inc. (HSI) has	s approved credit prior	to sale, Credit ten						Ja of land		
e accounts shall pay i	nterest on the balance	ce past due at the rate	of 1 1/2% per month o	r the maximum allo	owable by applicable sta	ite or federal laws.	In the event it	is necessary to emp	loy an agency	and/or attorney to		

due accounts shall pay interest on the balance past due at the rate of 13% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts date of issue. Pricing does not include federal, state, or local taxes, or royalities and stated price and stated price and subject to collection. Prices quoted are estimates only and are good for 30 days from the services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for activities or provides or purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X	CUSTOMER AUTHORIZATION SIGNATURE



CEMENT	TRE	ATMEN	IT REF	ORT									
		Darrah			Wel	le le	Panther Ran	ala #4 2					
	State:				County		100.000						
Field	d Reo:	Judd G	ulick		TO SERVICE		Chase, KS Date: 9/7/2021						
	- nep	oudu G	ulick		S-1-F	S-T-R: 30-19S-6E Service: Sur							
Downhole Information					Calculated	Calculated Slurry - Lead Calculated Slurry - Tail							
Hole	Size:	12.25	ln]	Blenc		1-325		Blend				
Hole D	Depth:		ft]	Weight	Weight: 15.0 ppg Weight:							
	ing Size: 8 5/8 in				Water / Sx	6.	5 gal / sx		Water / Sx:				
Casing E			ft	ļ	Yield	1.3	6 ft³/sx		Yield:				
Tubing /			in		Annular Bbls / Ft	0.073	5 bbs / ft.		Annular Bbls / Ft.:	bbs / ft.			
Tool / Pa	epth:		ft		Depth		0 ft		Depth:	ft			
Tool			-		Annular Volume		4 bbls		Annular Volume:	0 bbls			
Displace			ft		Excess				Excess:				
			STAGE	TOTAL	Total Slurry		4 bbls		Total Slurry:				
TIME	RATE	PSI	BBLs	BBLs	Total Sacks	150 sa	cks		Total Sacks:	#DIV/0! sx			
6:00 PM				-	On location safety m	eeting							
6:05 PM					Hook up pump and h								
6:40 PM					Rig broke circulation		d for 5 min.	30,7110					
6:54 PM	4.5	30.0	8.0	8.0	Pumped 8 bbls of wa	iter							
7:00 PM	2.5	20.0	36.0	44.0	Mix and pump ceme	nt 150 sa	icks						
7:22 PM	3.0	55.0	14.0	58.0	Displaced 14 bbls wa	ater	good returns or	n cement					
7:27 PM				58.0	Shut in casing								
7:30 PM				58.0	Wash up pump and I	ines							
7:35 PM	-			58.0	Rig down								
				58.0									
				58.0 58.0									
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		CREW	F& Di	36.0	UNIT				SUMMAR				
Ceme	enter:	Kevin		THE STATE OF THE S	91		Average R	ate	Average Pressure				
Pump Oper		Garre			265		3.3 bpn		35 psi	Total Fluid			
	lk #1:	T.C.			294		0.0 5011		oo hai	58 bbls			
Bul	lk #2:												

ftv: 6-2020/08/28 mplv: 200-2021/09/02



Customer	Darrah Oil Co		Lease & Well # Panther Ranch #1-30					Date	9/	13/2021		
Service District	Garnett		County & State	Chase Co., KS	Legals S/T/R	30-195	5-6E	Job#		VOI (50.00)		
Job Type	Longstring	✓ PROD	☐ INJ	[]] SWD	New Well?	✓ YES	☐ No	Ticket#	E	P2725		
Equipment #	Driver		1.000	Job Safety An	alysis - A Discuss	ion of Hazards	& Safety Pro	cedures				
247	Alan Mader	✓ Hard hat		✓ Gloves		Lockout/Tagout Warning Signs & Flagging						
239	Casey Kennedy	✓ H2S Monitor		Eye Protection		Required Pe	ermits	Fall Protection	Fall Protection			
124	Scott McCrea	Safety Footwe	ear	Respiratory Pro	otection	☑ Slip/Trip/Fa	ll Hazards	✓ Specific Job S	Sequence/Exp	ectations		
90	Devin Katzer	FRC/Protectiv	e Clothing	Additional Che		✓ Overhead Hazards ✓ Muster Point/Medical Locations						
	1	✓ Hearing Prote	ction	✓ Fire Extinguishe			oncerns or is	sues noted below				
					nments		1/81					
		Confederate No. 19	~	H854 Thixo +	50 sxs for ra	it hole & mo	ousehole;	KCI water i	n tırst 20	ppi		
		displaceme	n									
Product/ Service												
Code		Descr	iption		Unit of Measure	Quantity			,	Net Amount		
M010	Heavy Equipment M	fileage	160-001		mi	50,00				\$180.00		
M020	Ton Mileage				tm	425,00				\$573.75		
	N. 50 MARION MAR	<u> </u>	2.							10000 100000000000000000000000000000000		
C015	Cement Pump Serv	ice		***	ea	1.00		E 1500		\$1,350.00		
C040	Casing Swivel	30.00 (St. 10.00)			job	1.00				\$270.00		
0000	LIDG 4 Th				sack	150.00				\$3,780.00		
CP060	H854 Thixo				gal	500.00		\$3,760				
CP170 AF055	Mud Flush				gal	1,00			\$27.			
CP125	Liquid KCL Substitute Pheno Seal				lb	150.00			\$236.25			
01 120	There deal					22 4000 2001 40 40 40						
FE125	5 1/2" Centralizer				ea	4.00				\$216.00		
FE145	5 1/2" Float Shoe - /	AFU Flapper Type	3000		ea	1.00		\$337.				
FE170	5 1/2" Latch Down F	Plug & Baffle			ea	1.00		\$33				

T010	Vacuum Truck - 80	bbl			hr	6.50				\$585.00		
AF080	Fresh Water	<u> </u>			gal	3,000.00				\$45.00		
			2020						<u>.</u>			
			· · · · · ·					U 10.10	(a) (b)			
					3			81191		-		
	<u> </u>		*****		000000 N 10000 0 1000					. 200		
		4.4.4.4.			*****							
*												
Custo	omer Section: On the	e following scale h	ow would you rate	Hurricane Services I	nc.?				Net:	\$8,365.50		
						Total Taxable	\$ -	Tax Rate:		$\geq \leq$		
Ва	sed on this job, ho	w likely is it you w	rould recommend	HSI to a colleague	1	State tax laws dea used on new wells		lucts and services x exempt.	Safe Tax:	\$ -		
						Hurricane Service well information al		customer provided :				
Ţ.	Inikaly 1 2	3 4 5	6 7 8	9 10 Extr	emely Likely	services and/or pr		[일본 - 10 : 10 : 10 : 10 : 10 : 10 : 10 : 10	Total:	\$ 8,365.50		
						HSI Represe	ntative:					
TERMS: Cash in adva	nce unless Hurricane S	Services Inc. (HSI) ha	s approved credit pri	or to sale. Credit terms				or before the 30th	day from the da	ate of invoice. Past		
due accounts shall pay	y interest on the balance	e past due at the rate	e of 1 1/2% per month	or the maximum allow-	able by applicable sta	ate or federal laws.	In the event it	is necessary to emp	oloy an agency	and/or attorney to		

due accounts shall pay interest on the balance past due at the rate of 1 5% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent. HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material utilitately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

V		CUSTOMER AUTHORIZATION SIGNATURE
X		COSTOMER AUTHORIZATION SIGNATURE

ftv: 15-2021/01/25 mplv: 200-2021/09/02



									2000 N
CEMENT	TRE	ATMENT	REPO	RT					
		Darrah Oi			Well:	Panther Ranch	#1-30 T io	ket:	EP2725
	-	Wichita, k			County:	Chase Co., I	(S	ate:	9/13/2021
Field	Rep:	Cooper S	eely	*	S-T-R:	30-19S-6E	Sen	vice:	Longstring
								Calcula	ted Slurry - Tail
		nformation	_		Calculated Slui			end:	ted Sidny - 1211
	Size:	7 7/8 ii			Blend:	H854		ight:	
Hole D		2400 f	-		Weight:	14.0 ppg			ppg
Casing		5 1/2 i			Water / Sx:	8.3 gal / sx	Water		gal / sx ft ³ / sx
Casing D		2382 f			Yield:	1.73 ft ³ / sx		leid:	
Tubing / I			n		Annular Bbls / Ft.:	bbs / ft.	Annular Bbls		bbs / ft.
D	epth:	f			Depth:	ft		epth:	ft
Tool / Pa	cker	baffle	P		Annular Volume:	0.0 bbls	Annular Vol		0 bbls
Tool D	epth:	2352 f	t		Excess:			ess	
Displace	ment:	57.7 b	bls		Total Slurry:	0.0 bbls	Total \$1		0.0 bbls
			TAGE	TOTAL	Total Sacks:	0 sx	Total Sa	icks:	0 sx
TIME	RATE	PSI	BBLs	BBLs	REMARKS				
9:00 AM					Arrive at location. Hold sa	afety meeting. Wait for rig to	finish running casing and t	hen rig up).
				· · · ·					
10:55 AM	2.0	100.0		-	Mix and pump 30 sacks to	plug rat hole and 20 sacks	o plug key hole under rig.		
					2		- ***		
11:20 AM		300.0		-	Mix and pump 500 gallons	s mud flush ahead of cement	. Mix and pump 100 sacks	H854 cem	ent with 1#
						h pump and release latch do			
11:35 AM		500.0			Pump plug to baffle with I	KCL in first 20 bbls. Plug lan	ded and latched at 57.7 bbl	s, Well he	ld 1000 PSI.
		1,000.0			Had good circulation and	good rotation the entire time	-		- A.S.
19222012001				-	Released pressure. Wash	ed up and rigged down.			
				-					
M* - 20.00-270490					346				
								62 25 2	MACCORE 1 MICH. MICH. (1982) - 1987/1-803
				**************************************				30.000	5,000
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		CREW			UNIT		SUM	IMARY	
-	0.010.0		lada-		247	Average Rate			Total Fluid
	enter:	Alan M			239	2.0 bpm	475 psi		- bbls
Pump Ope	erator: .ik #1:	· · · · · · · · · · · · · · · · · · ·	Kenned	у	124	2.0 υμπ	1 410 hal		- 5010
	iik #1: iik #2:	Devin I	McCrea Katzer		90				
		200.111			<u> </u>	01 E			



Darrah Oil Company, LLC

30/19S/6E Chase, KS

Panther Ranch #1-30

125 North Market **Suite 1425**

Job Ticket: 67135

DST#: 1

Wichita, KS 67202-1720 ATTN: Harlan Clonts/Roger

Test Start: 2021.09.10 @ 16:26:00

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 17:47:50 Tester: Jimmy Ricketts

Time Test Ended: 20:51:20 Unit No: 80

Interval: 2165.00 ft (KB) To 2178.00 ft (KB) (TVD) Reference Elevations: 1445.00 ft (KB)

Total Depth: 2178.00 ft (KB) (TVD) 1436.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

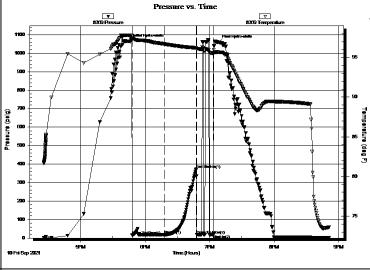
Serial #: 8369 Inside

Press@RunDepth: 2166.00 ft (KB) Capacity: 18.86 psig @ 8000.00 psig

Start Date: 2021.09.10 End Date: 2021.09.10 Last Calib.: 1899.12.30 Start Time: 16:26:01 End Time: 20:51:20 Time On Btm: 2021.09.10 @ 17:45:40 Time Off Btm: 2021.09.10 @ 19:08:10

TEST COMMENT: IF - No blow.

FF - No blow . flushed tool 5 minutes and 10 minutes into final flow period. Still no blow . Pulled test 15 minutes in.



	PRESSURE SUMMARY						
Ī	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	1063.72	97.77	Initial Hydro-static			
	3	16.08	97.30	Open To Flow (1)			
	33	18.86	96.69	Shut-In(1)			
	62	374.16	96.20	End Shut-In(1)			
	63	18.89	96.09	Open To Flow (2)			
	78	18.85	95.50	Shut-In(2)			
	83	1058.61	95.67	Final Hydro-static			
'							

DDECCLIDE CLIMANADY

Recovery

Length (ft)	Description	Volume (bbl)
2.00	OSM 1% O 99% M	0.01
0.00	TS OCM 13% O 87% M	0.00

Gas Rates					
	Choke (inches)	Pressure (nsig.)	Gas Rate (Mcf/d)		

Trilobite Testing, Inc. Ref. No: 67135 Printed: 2021.09.11 @ 07:43:00



Darrah Oil Company, LLC

30/19S/6E Chase, KS Panther Ranch #1-30

125 North Market

Suite 1425

Job Ticket: 67135

DST#: 1

Wichita, KS 67202-1720 ATTN: Harlan Clonts/Roger

Test Start: 2021.09.10 @ 16:26:00

GENERAL INFORMATION:

Formation: Viola

Time Tool Opened: 17:47:50

Deviated: No Whipstock: ft (KB)

ft (KB) Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts

Time Test Ended: 20:51:20 Unit No: 80

Interval: 2165.00 ft (KB) To 2178.00 ft (KB) (TVD) Reference ⊟evations: 1445.00 ft (KB)

Total Depth: 2178.00 ft (KB) (TVD) 1436.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8846 Outside

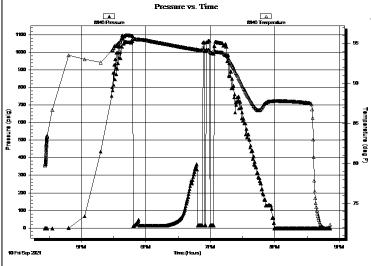
 Press@RunDepth:
 psig
 @
 2166.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2021.09.10 End Date: 2021.09.10 Last Calib.: 1899.12.30

Start Time: 16:26:01 End Time: 20:52:00 Time On Btm: Time Off Btm:

TEST COMMENT: IF - No blow.

FF - No blow . flushed tool 5 minutes and 10 minutes into final flow period. Still no blow . Pulled test 15 minutes in.



			_	-
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Tamparatura (dag F)				
9				
				1

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
2.00	OSM 1% O 99% M	0.01
0.00	TS OCM 13% O 87% M	0.00

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

Trilobite Testing, Inc Ref. No: 67135 Printed: 2021.09.11 @ 07:43:00



FLUID SUMMARY

Darrah Oil Company, LLC

30/19S/6E Chase, KS

125 North Market

Panther Ranch #1-30

Suite 1425

Job Ticket: 67135

DST#: 1

Wichita, KS 67202-1720 ATTN: Harlan Clonts/Roger

Test Start: 2021.09.10 @ 16:26:00

Mud and Cushion Information

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

Viscosity: 45.00 sec/qt Cushion Volume: bbl

in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: ppm Filter Cake: inches

Recovery Information

Water Loss:

Recovery Table

Length ft	Description	Volume bbl
2.00	OSM 1% O 99% M	0.010
0.00	TS OCM 13% O 87% M	0.000

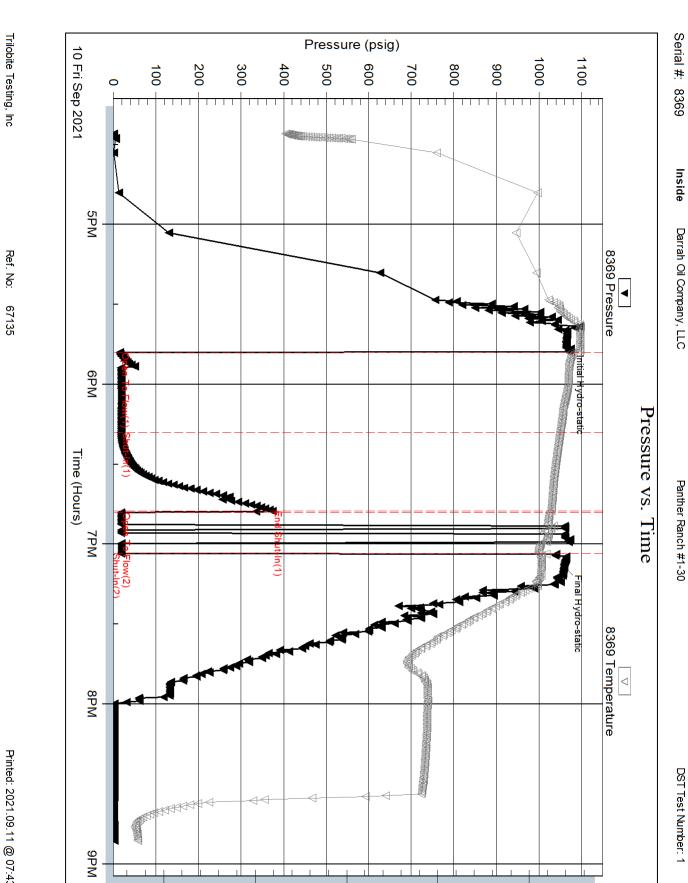
Total Length: 2.00 ft Total Volume: 0.010 bbl

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

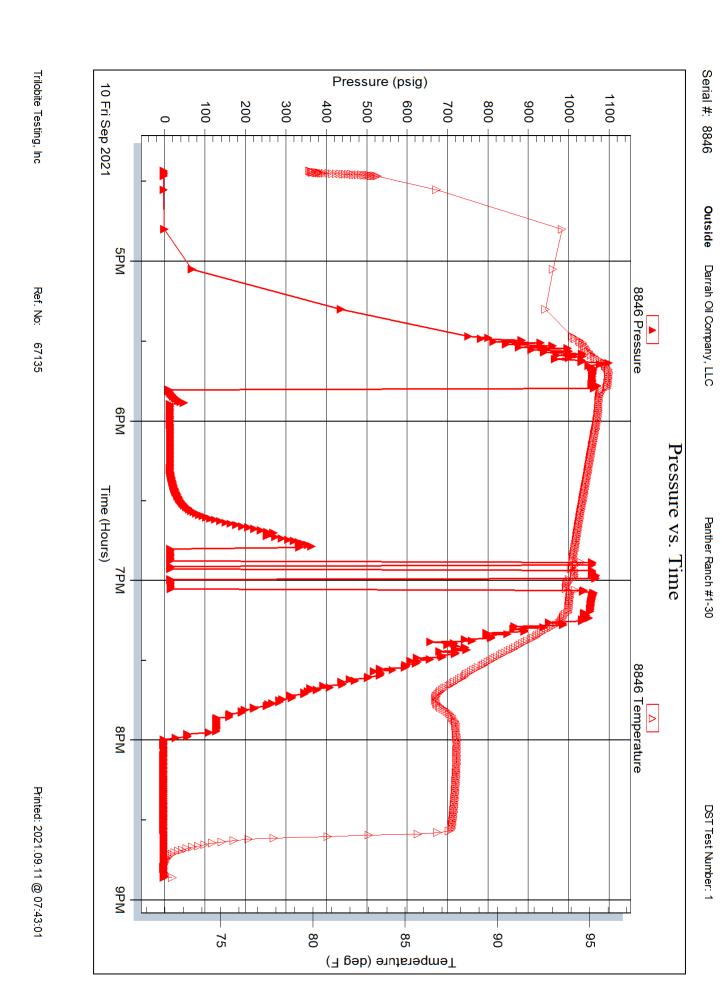
Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 67135 Printed: 2021.09.11 @ 07:43:01



Temperature (deg F)





Darrah Oil Company, LLC

Wichita, KS 67202-1720

125 North Market

Suite 1425

30/19S/6E Chase, KS

Panther Ranch #1-30

Job Ticket: 67136

Unit No:

DST#: 2

Test Start: 2021.09.11 @ 06:18:00

ATTN: Harlan Clonts/Roger

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bot

Time Tool Opened: 07:53:00 Time Test Ended: 13:07:00

Interval: 2177.00 ft (KB) To 2193.00 ft (KB) (TVD)

Total Depth: 2193.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts

Reference Elevations: 1445.00 ft (KB)

1436.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8369 Inside

Press@RunDepth: 48.06 psig @ 2178.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2021.09.11
 End Date:
 2021.09.11
 Last Calib.:
 1899.12.30

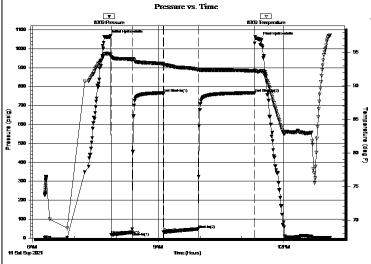
 Start Time:
 06:18:01
 End Time:
 13:07:00
 Time On Btm:
 2021.09.11 @ 07:49:20

Time Off Btm: 2021.09.11 @ 11:25:30

80

TEST COMMENT: IF - Weak blow building to 1/2 inch of water during initial flow period.

FF - Weak blow building to 1/2 inch of water during final flow period.



	PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	1061.21	94.79	Initial Hydro-static			
	4	17.89	94.28	Open To Flow (1)			
	34	30.74	93.90	Shut-In(1)			
	78	766.50	93.32	End Shut-In(1)			
	79	31.26	93.13	Open To Flow (2)			
	128	48.06	92.40	Shut-In(2)			
,	209	766.58	92.23	End Shut-In(2)			
9	217	1050.03	92.16	Final Hydro-static			

Recovery

Description	Volume (bbl)
VSOCM 2% O * 98% M	0.30
CO 100% O	0.00
TS SOCM 10% O & 90% M	0.00
	VSOCM 2% O * 98% M CO 100% O

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

Trilobite Testing, Inc Ref. No: 67136 Printed: 2021.09.11 @ 13:34:17



Darrah Oil Company, LLC

30/19S/6E Chase, KS

Panther Ranch #1-30

125 North Market Suite 1425

Job Ticket: 67136

DST#: 2

Wichita, KS 67202-1720 ATTN: Harlan Clonts/Roger

Test Start: 2021.09.11 @ 06:18:00

GENERAL INFORMATION:

Formation: Viola

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

Time Tool Opened: 07:53:00 Tester: Jimmy Ricketts

Time Test Ended: 13:07:00 Unit No: 80

Interval: 2177.00 ft (KB) To 2193.00 ft (KB) (TVD) Reference ⊟evations: 1445.00 ft (KB)

Total Depth: 2193.00 ft (KB) (TVD) 1436.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8846 Outside

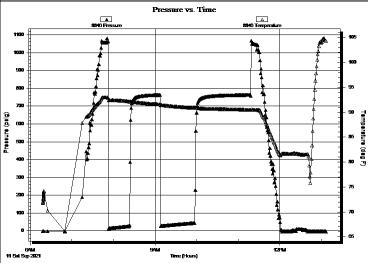
 Press@RunDepth:
 psig
 @
 2178.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2021.09.11 End Date: 2021.09.11 Last Calib.: 1899.12.30

Start Time: 06:18:01 End Time: 13:07:10 Time On Btm: Time Off Btm:

TEST COMMENT: IF - Weak blow building to 1/2 inch of water during initial flow period.

FF - Weak blow building to 1/2 inch of water during final flow period.



	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
Temperature (deg F)				
9				

PRESSURE SUMMARY

Recovery

0.30
0.00
0.00

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

Trilobite Testing, Inc Ref. No: 67136 Printed: 2021.09.11 @ 13:34:17



FLUID SUMMARY

Darrah Oil Company, LLC

30/19S/6E Chase, KS

125 North Market

Panther Ranch #1-30

Suite 1425

Job Ticket: 67136

DST#: 2

Wichita, KS 67202-1720 ATTN: Harlan Clonts/Roger

Test Start: 2021.09.11 @ 06:18:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: Cushion Length: 9.00 lb/gal ft Water Salinity: ppm

Viscosity: 45.00 sec/qt Cushion Volume: bbl

> in³ Gas Cushion Type:

ohm.m Gas Cushion Pressure: psig

Salinity: ppm Filter Cake: inches

Recovery Information

Water Loss:

Resistivity:

Recovery Table

Length ft	Description	Volume bbl
60.00	VSOCM 2% O * 98% M	0.295
1.00	CO 100% O	0.005
0.00	TS SOCM 10% O & 90% M	0.000

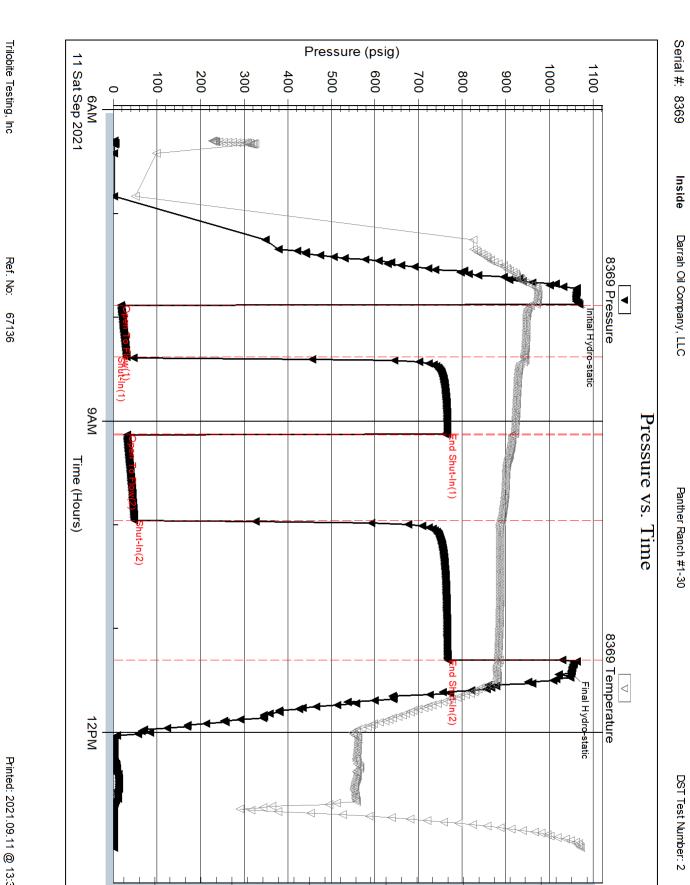
Total Length: 61.00 ft Total Volume: 0.300 bbl

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

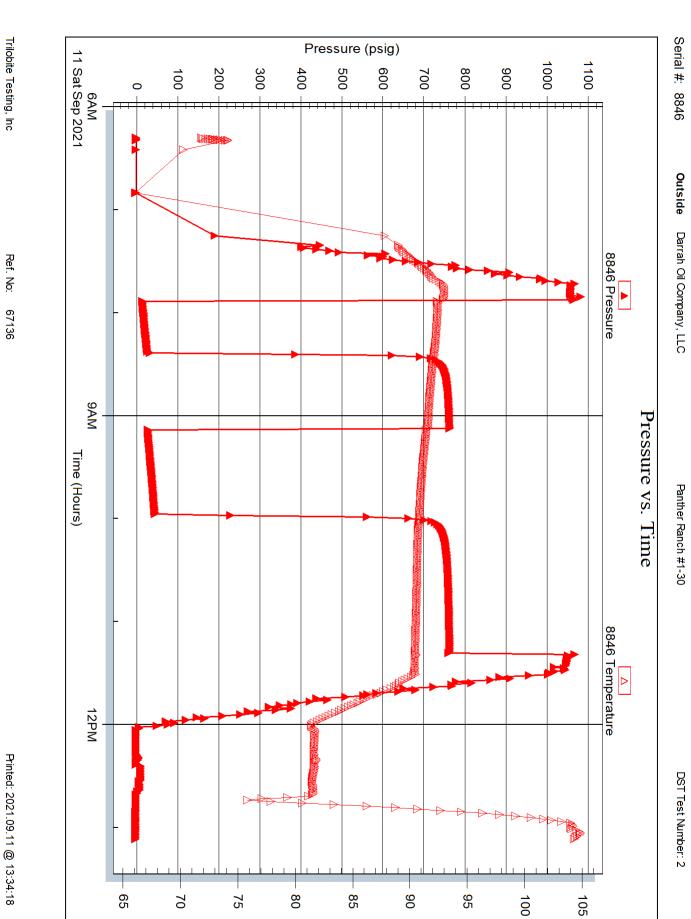
Laboratory Location: Laboratory Name:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 67136 Printed: 2021.09.11 @ 13:34:18



Temperature (deg F)



Temperature (deg F)

ah Oil 195 GE ONTRACTOR C4G rig 2 + for Viola 2088(-643) Viola Simpson 55 4 Phuck le QUARTS IN THE RATE SCALE IN UT 239 (-883) Kraftbill 450-A 2020 ¹ 4 Dolo cm to gy pak Times: 0-30-1 Tool 501 13 IHP: 1064 ISIP: 70 Viola D5T#2 Rec: 1'c/n 01 Tool 501->10%0il IHP: 1061 ISIP. FSIP: FHP.1050 mp: 95° Tops kece208 55 Viola 162 LTD 2398