KOLAR Document ID: 1645595

Confident	tiality R	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

WELL	HISTORY	- DESCRIP	WEII &	IFASE
	INSIONI			LLASL

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.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 □ Gas □ DH □ EOR	Elevation: Ground: Kelly Bushing:
Gas DH EOR	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 #:	Operator Name:
GSW Permit #:	License #:
	Quarter Sec Twp S. R East West
Spud Date or Date Reached TD Completion Date or 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 III Approved by: Date:							

KOLAR Document ID: 1645595

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 Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Depth Perforate		Туре	e of Cement	# Sacks Use	d		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	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		-	·	nit 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	Ritchie Exploration, Inc.
Well Name	WHITHAM 35D 1
Doc ID	1645595

Casing

	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.63	23	246	H-325	185	

	RILOBITE	DRILL STEM TES	ST REP	ORT				
	LEODITE	Ritchie Exploratipon	35	35 16s 37w Wichita, Ks				
	ESTING , INC	PO Box 783188		Wh	nitham 3	35D #1		
		Wichita, ks 67278		Job	Ticket: 68	3059	DST#:	1
NOV.		ATTN: Max Lovely		Tes	t Start: 20)22.02.20 (@ 02:34:00	
GENERAL INF	ORMATION:							
Formation: Deviated: Time Tool Opened: Time Test Ended:		ft (KB)		Tes	ter: I	Conventior Bradley Wa 78	nal Bottom Ho alter	le (Initial)
Interval: 43 Total Depth: Hole Diameter:	8 10.00 ft (KB) To 43 4356.00 ft (KB) (TN 7.88 inchesHole			Ref	erence ⊟e KB t	evations: to GR/CF:	3343.00 3338.00 5.00	ft (CF)
0								
Serial #: 8874 Press@RunDepth: Start Date: Start Time:		 4311.00 ft (KB) End Date: End Time: 	2022.02.20 10:46:29	Capacity Last Cali Time On Time Off	b.: Btm: 2		8000.00 2022.02.20) @ 05:12:15) @ 07:21:00	
	30- FSI: No retur Pressure vs. T	ime		PI	RESSUF	RE SUM	MARY	
2250	5/4 Pressure	2574 Temperature	Time	Pressure	Temp	Annota	tion	
2000			(Min.) 0	(psig) 2169.53	(deg F) 107.89	 Initial Hyd	lro-static	
1750		110	1	292.18	107.98	Open To	Flow (1)	
1500		100	31 61	780.44 1198.44	124.05 123 13	Shut-In(1 End Shut	,	
1250		- 50		797.15		Open To		
			62 92	1053.84	124.23	· ·		
			127 129	1208.69 2101.42	123.42 122.41			
20 Sun Feb 2022	6 411 Time(Hours)	941						
· · · · ·	Recovery				Ga	s Rates		
Length (ft)	Description	Volume (bbl)			Choke (i	inches) Pres	sure (psig) G	as Rate (Mcf/d)
1950.00 mc	cw 2m98w	26.26						
Trilobite Testing		Ref. No: 68059					0 @ 12:29:1	

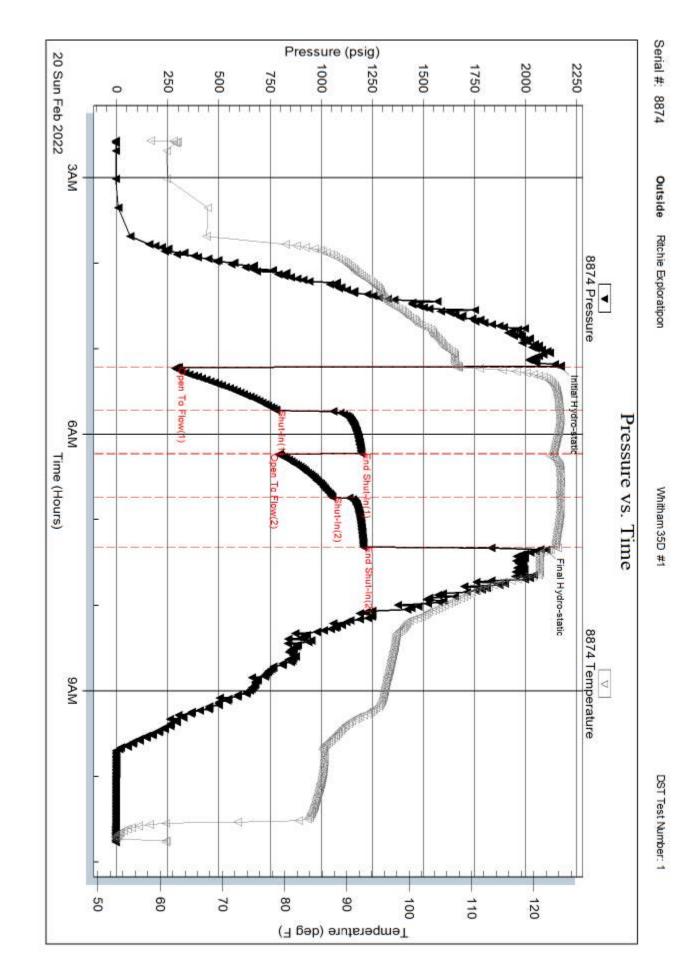
	DRILL STEM TES	ST REP	ORT			
RILOBITE	Ritchie Exploratipon		35 16s 37	w Wichita	a, Ks	
ESTING , INC	PO Box 783188		Whitham	35D #1		
	Wichita, ks 67278		Job Ticket:	68059	DST#	:1
NON .	ATTN: Max Lovely		Test Start:	2022.02.20 (@ 02:34:00	
GENERAL INFORMATION:						
Formation:LKC-KDeviated:NoWhipstock:Time Tool Opened:05:13:00Time Test Ended:10:46:30	ft (KB)		Test Type: Tester: Unit No:	Conventior Bradley W 78		lole (Initial)
Interval:4310.00 ft (KB) To43Total Depth:4356.00 ft (KB) (TVHole Diameter:7.88 inches Hole			Reference Kl	Elevations: B to GR/CF:	3338.0	0 ft (KB) 0 ft (CF) 0 ft
	End Date: End Time: 5 min, built to 210" ,5 min, built to 111"	2022.02.20 10:46:29	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 2022.02.2	
30- FSI: No returr Pressure vs. Tá 309 Pressure				JRE SUM		
227 230 400 400 400 400 400 400 400 4	SIB Temporature	Time (Min.)	Pressure Temp (psig) (deg F		tion	
Recovery				Bas Rates		
Length (ft) Description 1950.00 mcw 2m 98w	Volume (bbl) 26.26		Chok	e (inches) Pres	sure (psig)	Gas Rate (Mcf/d)
Trilobite Testing. Inc	Ref. No: 68059			d: 2022.02.2		

		DRI	LL STEM TEST F	REPORT	-	F			
RILOBITE		Ritchie Exploratipon			35 16s 37w Wichita, Ks				
			x 783188		Whitham	35D #1			
		Wichita ks 672			Job Ticket: 6	68059	DST#: 1		
NOX .			Max Lovely		Test Start: 2	2022.02.20 @ 02:	34:00		
Mud and Cushi	on Information								
Mud Type: Gel Ch			Cushion Type:			Oil API:	0 deg API		
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:	64000 ppm		
Viscosity: Water Loss:	60.00 sec/qt 7.60 in³		Cushion Volume: Gas Cushion Type:		bbl				
Resistivity:	ohm.m		Gas Cushion Pressure):	psig				
•	000.00 ppm				P-9				
Filter Cake:	1.00 inches								
Recovery Inform	mation								
			Recovery Table		\ <i>.</i>	7			
	Lengt ft	ĥ	Description		Volume bbl				
	1	950.00	mcw 2m 98w		26.26	0			
	Total Length:	1950	.00 ft Total Volume:	26.260 bbl					
	Num Fluid Samp	les: 0	Num Gas Bombs:	0	Serial #	<u>t:</u>			
	Laboratory Nam		Laboratory Locatio	n:					
	Recovery Com		<i>N</i> is .137 @ 59F = 64000ppm 2S present.						
		112	20 present.						
	Inc		Ref No [.] 68059			1· 2022 02 20 @ ^			

Printed: 2022.02.20 @ 12:29:19

Ref. No: 68059

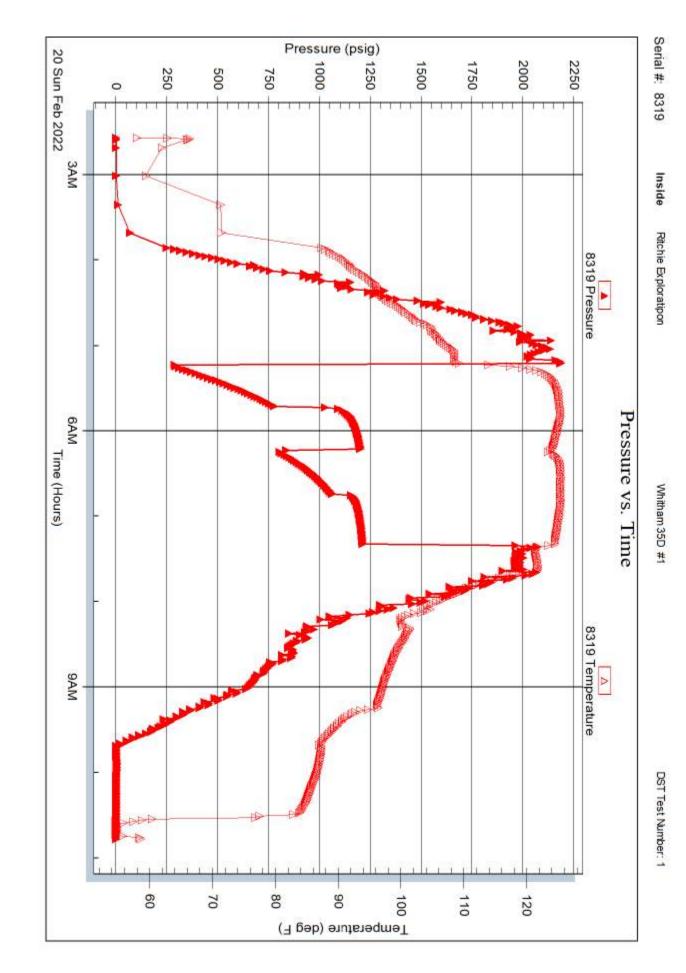




Printed: 2022.02.20 @ 12:29:19

Ref. No: 68059





	RILOBITE	DRILL STEM TE	SI REPO				
(BEE)	ESTING , INC	Ritchie Exploratipon		35 169	s 37w Wio	chita, Ks	
	ESTING, INC.	PO Box 783188	Witha	m 35D #	1		
		Wichita, ks 67278		Job Ticl	ket: 68060	DST#	: 2
NOK		ATTN: Max Lovely		Test Sta	art: 2022.02	2.21 @ 03:25:00	
GENERAL INF	ORMATION:						
Formation:	Altamont				2		
Deviated: Time Tool Openec Time Test Ended:		ft (KB)		Test Ty Tester: Unit No:	Bradle	entional Bottom H ey Walter	iole (Reset)
Interval: 4	454.00 ft (KB) To 44	490.00 ft (KB) (TVD)		Referer	nce Elevatio	ns: 3343.0	00 ft (KB)
Total Depth:	4356.00 ft (KB) (T	,					00 ft (CF)
Hole Diameter:	7.88 InchesHole	e Condition: Good			KB to GR/	′CF: 5.0	00 ft
Serial #: 8874							
Press@RunDepth Start Date:	n: 57.62 psig 2022.02.21	@ 4455.00 ft (KB) End Date:	2022.02.21	Capacity: Last Calib.:		8000.0 2022.02.2	0 psig 21
Start Time:	03:25:05	End Time:	11:26:29	Time On Btm	n: 2022.	02.21 @ 05:59:4	
				Time Off Btm	n: 2022.	02.21 @ 09:05:4	5
2300	Pressure vs. 7	Time 55/4 Tempendure	Time			UMMARY	
2500	▼ 5574 Pressure	8574 Temperature		Pressure T	emp An		
-			(Min.)		leg F) 09.45 Initia	l Hydro-static	
2000 -			1		08.75 Ope	n To Flow (1)	
-		¥,	3 1 76	1 1		t-ln(1) Shut-ln(1)	
1500						n To Flow (2)	
1000			76 122			t-ln(2)	
			 185 186 	1 1		Shut-ln(2) I Hydro-static	
_ [/					-	5	
500	7 II						
500							
	orbid Time (Haus)	944					
	event Time (scars) Recovery				Gas Ra	tes	
Length (ft)	Time (Haus) Recovery Description	Volume (bbl)			Gas Ra Choke (inches)	tes Pressure (psig)	Gas Rate (Mcf/d)
Length (ft) 85.00 or	Time (Haus) Recovery Description cm 50 95m	Volume (bbl) 0.42				1 1	Gas Rate (Mct/d)
Length (ft) 5.00 O	Three(Haan) Recovery Description cm 50 95m bil 1000	Volume (bbl) 0.42 0.02				1 1	Gas Rate (Mcf/d)
Length (ft) 5.00 O	Time (Haus) Recovery Description cm 50 95m	Volume (bbl) 0.42				1 1	Gas Rate (Mcf/d)
Length (ft) 5.00 O	Three(Haan) Recovery Description cm 50 95m bil 1000	Volume (bbl) 0.42 0.02				1 1	Gas Rate (Mcť/d)
Length (ft) 5.00 O	Three(Haan) Recovery Description cm 50 95m bil 1000	Volume (bbl) 0.42 0.02				1 1	Gas Rate (Mcf/d)

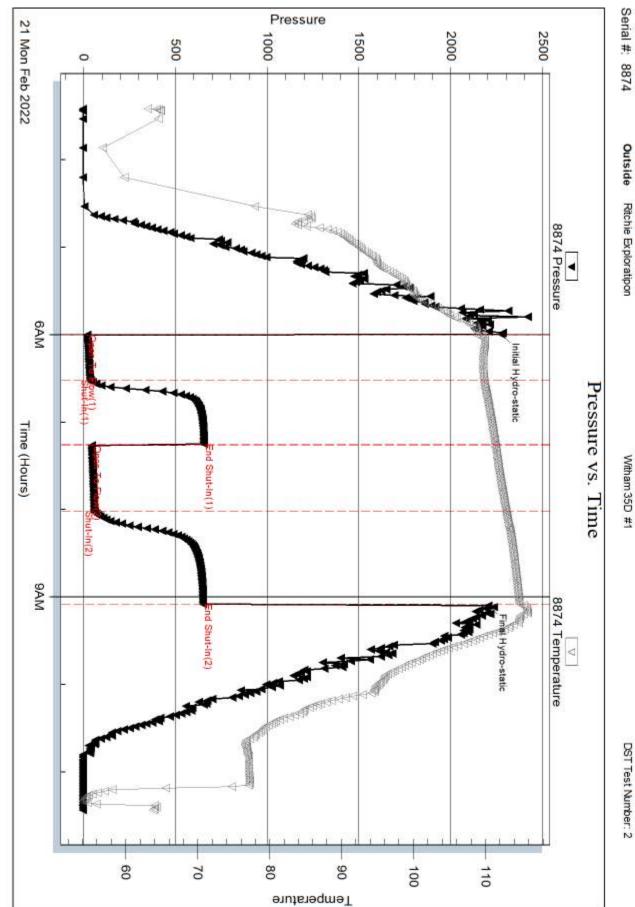
	RILUDITE	Ritchie Exploratip	on		35 -	16c 27	w Wich	ita Ke	
T	TESTING , INC			35 16s 37w Wichita, Ks					
	Lound	PO Box 783188 Wichita,				tham 3			
		ks 67278			Job	Ticket: 6	68060	DS.	T#:2
MORE.		ATTN: Max Lov	ely		Test	t Start: 2	2022.02.2	21 @ 03:25:0	00
ENERAL	INFORMATION:								
	Altamont No Whipstock: ened: 06:00:00 ded: 11:26:30	ft (KB)			Test Test Unit	ter:	Conven Bradley 78		n Hole (Reset)
nterval: ^r otal Depth: Hole Diameter	4454.00 ft (KB) To 44 4356.00 ft (KB) (T\ 7.88 inchesHole))		Refe		levations to GR/Cl	3338	3.00 ft (KB) 3.00 ft (CF) 5.00 ft
Serial #: 8	3319 Inside								
ress@RunD		-	KB)	0000 00 0	Capacity:				0.00 psig
Start Date: Start Time:	2022.02.21 03:25:05	End Date: End Time:		2022.02.21 11:26:29	Last Calik Time On I			2022.02	2.21
art fillo.	00.20.00				Time Off				
	IMENT: 30- IF: 1 1/2" blov 45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur Pressure vs. T	l. /. n. ime			PF	RESSU	RE SU	MMARY	
	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur	n. n.			PF	RESSU	RF SU	MMARY	
	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur	n. n.		Time (Min.)	PF Pressure (psig)	RESSU Temp (deg F)	Anno	MMARY	
2000	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur Pressure vs. T	l. /. n. ime	- - - - - - - - - - - - - - - - - - -		Pressure	Temp	Anno		
	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur Pressure vs. T	l. /. n. ime	-		Pressure	Temp	Anno		
2000	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur Pressure vs. T	l. /. n. ime	- 110 - 100 100 90 -	(Min.)	Pressure	Temp	Anno		
2000	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur Pressure vs. T	l. /. n. ime	- 110 - 100 100 90 -		Pressure	Temp	Anno		
2000	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur Pressure vs. T	l. /. n. ime	- 110 - 100 100 90 -	(Min.)	Pressure	Temp	Anno		
2300 - - - 1500 - - - - - - - - - - - - - - - - - - -	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur Pressure vs. T	l. /. n. ime	- 110 - 100 - 100 - 50 - 50	(Min.)	Pressure	Temp	Anno		
23000 	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur Pressure vs. T	l. /. n. ime	- 110 - 100 - 100 - 50 - 50	(Min.)	Pressure	Temp	Anno		
23000 	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur	I n SIDE	- 110 - 100 - 500 - 500 - 70	(Min.)	Pressure	Temp	Anno		
	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur Pressure vs. T	l. /. n. ime		(Min.)	Pressure	Temp	Anno		
2300 1000 500 4 0 4 1000 500 4 500 4 500 500 500 500	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur	I. D. SIDE SEE Compositor SEE Compositor		(Min.)	Pressure	Temp (deg F)	as Rate	otation S	
23000 15000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 100	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No retur	I	- 110 - 100 - 00 - 00 - 70 - 70 - 70 - 70 - 70 -	(Min.)	Pressure	Temp (deg F)	as Rate	otation	Gas Rate (Mcf/d)
2000 1000 500 4 500 500 500 500 500 50	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No return Pressure vs. T B99Pressure Tree (tars) Tree (tars) Recovery Description ocm 50 95m	I л Sine взя Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стролаге Стр	- 110 - 100 - 50 - 70 - 70 - 00 - 50 - 50 - 50 - 50 - 50 - 50 - 5	(Min.)	Pressure	Temp (deg F)	as Rate	otation S	Gas Rate (Mcf/d)
2000 500 500 4 500 500 4 500 5.00	45- ISI: No return 45- FF: 1/2" blow 60- FSI: No return Pressure vs. Τ	I. 7. n. SITICE SUB Temponate SUB Temponate	- 110 - 100 - 00 - 00 - 70 - 70	(Min.)	Pressure	Temp (deg F)	as Rate	otation S	Gas Rate (Mcf/d)
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TESTING, NC PO Box 783188 Witham 35D #1 Wichita, Job Ticket: 68060 DST#: 2 ATTN: Max Lovely Test Start: 2022.02.21 @ 03:25:00	ULD L	RILOBITE		Exploratipon		FLUID SUMMA 35 16s 37w Wichita, Ks				
Wichita, ks 67278 Job Ticket: 68060 DST#:2 ATTN: Max Lovely Test Start: 2022.02.21 @ 03:25:00 Aud and Cushion Information Test Start: 2022.02.21 @ 03:25:00 Mud Type: Gel Chem Cushion Type: Oil API: 21 deg API Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 0 ppm Vater Loss: 7.99 in ³ Gas Cushion Type: esit esit<										
Is 67278 Job If CRE: 68060 DS I #: 2 ATTN: Max Lovely Test Start: 2022.02.21 @ 03:25:00 Aud and Cushion Information Cushion Type: Oil API: 21 deg API hud Ype: Gel Chem Cushion Type: Oil API: 21 deg API hud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 0 ppm viscosity: 65.00 sec/qt Cushion Volume: bbl viscosity: off 0 ppm viscosity: off.00 ppm Gas Cushion Type: esistivity: ohm.m Gas Cushion Pressure: psig alinity: 4000.00 ppm gas Cushion Pressure: psig psig alinity: 4000.00 ppm ft Description Volume bbl 85.00 ocm 50 95m 0.418 0.000 600 oil 100o 0.025 0.000 0.025 0.00 30' GIP 0.0000 0.025 0.00 30' GIP 0.0000 0.025 0.00 30' GIP 0.0000 0.025 0.00 0.00 ft </td <td></td> <td>201110,</td> <td></td> <td></td> <td></td> <td></td> <td></td>		201110,								
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Printed: 2022.02.21 @ 12:06:39

Ref. No: 68060





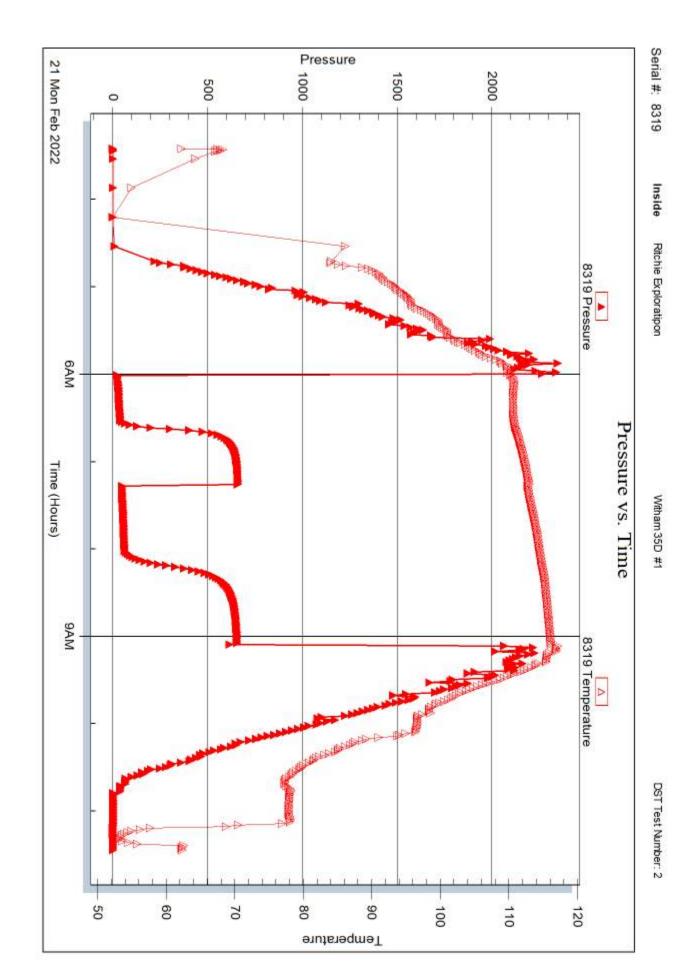
Witham 35D #1

DST Test Number: 2

Printed: 2022.02.21 @ 12:06:39

Ref. No: 68060

Trilobite Testing, Inc





#1 Whitham 35D

1,110' FSL & 1,807' FEL 120' N & 157' W of NE SW SE Section 35-16S-37W Wichita County, Kansas API# 15-203-20372-0000 Elevation: GL: 3,338', KB: 3,343'

Sample Tops		
Anhydrite	2516	827
B/Anhydrite	2532	811
Stotler	3618	-275
Heebner	3983	-640
Toronto	4005	-662
Lansing	4037	-694
Muncie	4216	-873
Stark	4313	-970
Hushpuckney	4361	-1018
BKC	4408	-1065
Marmaton	4452	-1109
Altamont	4466	-1123
Pawnee	4534	-1191
Myrick	4575	-1232
Ft Scott	4588	-1245
Cherokee	4618	-1275
Johnson	4718	-1375
Morrow	4782	-1439
Mississippi	4889	-1546
RTD	4972	-1629

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





Customer	Ritchle Exploration)	Loase & Well #	Whitham 36D #1				Date	2/1	4/2022
Service District	Oakley KS				Legals S/T/R	35-16S-37W		Job#		
Job Type	Surface	PROD	נאו 🗌	SWD	New Well?	✓ YES	No No	Ticket#	w	P 2421
Equipment #	Driver			Job Safety An	alysis - A Discuss	ion of Hazards I	A Safety Pro	cedures		
914	John	I Hard hat		Gloves		Lockout/Tag	jout	🔲 Warning Sign	s & Flagging	
208	Jaso V	H2S Monitor		Eye Protection		Required Pe	rmits	Fall Protectio	n	
242	Joso T	Safety Footwo	ear	Respiratory Pro	otection	Slip/Trip/Fal	l Hazards	Specific Job S		
		FRC/Protectiv	e Clothing	Additional Che	-	Overhead H	azards	Muster Point,	/Medical Loca	tions
		Hearing Prote	ection	Fire Extinguish	er	Additional c	oncem <mark>s or i</mark> s	sues noted below		
					Com	iments				
Product/ Service Code		Desci	ription		Unit of Measure	Quantity				Net Amouni
MO15	Light Equipment Mil		-		mi	60,00				\$110.40
	Heavy Equipment N		·~		mi	60.00			······	
M020	Ton Mileage				tm	522.00				\$720.36
D010	Depth Charge: 0'-50	0'		,	job	1.00				\$920,00
C060	Cement Blending &	Mixing Service			sack	185.00			······································	\$238.28
CP015	H-325				sack	185.00				\$3,404.00
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Cust	omer Section: On Jh	ie tollowing scale t	nowy would you rate.	Humcane Services	يند س <u>ند جين</u>		-		Nət:	\$5,613,84
						Total Taxable	\$ -	Tax Rate:		\geq
88	used on this job, ho	w likely is it you v	would recommend	I HSI to a colleague	97	used on new well	s to be sales to	ax exempt.	Sale Tax;	\$
								customer provided a determination H		
L. L.	Jaillaty 1 2	3 4 5	6 7 8	9 10 E	remoly Likely	services and/or p			Total:	\$ 5,613.84
						HSI Represe	entative:	John Polley		

TERMS; Cash in advance unless Humicane Services inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total involce due on or before the 30th day from the date of involce. Past due accounts shall pay intensit on the balance past due at the rate of 1 %% 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 involce price. Upon revocation, the full involce 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 royallies and stated price odjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to pradvice or recommendations made concerning the results for the results. DisCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implement terms or cash. <u>DISCLAIMER NOTICE</u>: Technical data is presented in acceptable condition to receive services by HSI. Likewise, the purposes and HSI makes no guarantee of fulure production performance. Customer represents and warrants that wail and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer ewell equipment and property while HSI is on location performing services.

CUSTOMER AUTHORIZATION SIGNATURE



K 5. M

EMENT T		TRACAL	TDED	OD'T					
								Ticket;	
Custom				lion	Well:	Whitham	WP 2421		
City, Sta	10: C	akley K	(S		County:	Wichita	a KS	Date:	2/14/2022
Field Ro	ip: J	ustin			S-T-R:	35-165	-37W	Service:	Surface
Downtro	le Ini	formatio	n	1	Calculated S	lurry - Lead		Calcul	ated Slurry - Tail
Hote Si	ze;	12.25	in		Blend:	H-325		Blend:	
Hote Dep	th:	246	ft .		Weight:	14.8 ppg		Weight:	ppg
Casing Si	ze:	8 5/8	In		Water / Sx:	6.9 gal / sx		Water / Sx:	gal/sx
asing Dep	th:	246	ft		Yield:	1.41 ft ³ /sx		Yield:	ft ³ / sx
ubing / Lin	er:		In		Annular Bbls / Ft.:	0.0735 bbs/ft.		Annular Bbls / Ft.:	bbs / ft,
Dep	th:		ft		Depth:	246 ft		Depth:	<u>ft</u>
ool / Pack	er:				Annular Volume:	48,4 bbls		Annutar Volume:	0 bbls
Tool Dep			ft		Excess:			Excess:	
isplaceme	nt:	14.0	bbis		Total Slurry:	46.4 bbls		Total Slurry:	0.0 bbls
			STAGE	TOTAL "	" Total Sacks:			Total Sacks:	
IME RA	ΠE	PSI	BBLs		REMARKS				
905p	+				Arrive on location				
910p	-+			-	Safety meeting				
915p	+			-	Rig up Casing on bottom				······································
1244a	-+-				Circulated mud				
12528	-+-	150.0	5,0	- 6,0	Water shead				
111a 3.0 113a 5.0		300.0	46,4	51.4	Mixed cement at 14.8 p	na			
127a 5.0	_	250.0	14.0	65,4	Displacement	<u>ra</u>		······································	
130a		150.0	14.0	65.4	Plug down and shut in				
132a		10010		65.4	Wash up and rig down				
210a	-+-			65.4	Leave location				
	+								
1					······			·	
									······································
								<u>.</u>	
						•			
									and the second
	+						<u>.</u>		
						<u> </u>			
	+								
}		CREW			UNIŤ			SUMMARY	
Cemén	ort	John			914	Average	e Rate	Average Pressure	Total Fluid
Cemen ump Operal		Jose Jose			208	4,3		213 psi	65 bbis
ump Operal Bulk		J050 J050			242				
Bulk			<u>.</u>						



Customer	Ritchle Exploration		Lease & Well #	Whitham 35D #1	-			Date	21	/24/2022
Service District	Oakley KS	•				35-165	2714/	Job #		
Job Type	PTA	PROD			Legals S/T/R New Well?	VES	-3/W	Ticket #	v	VP 2451
	a an an the state of				alysis - A Discuss			Sec. And the second		
Equipment # 914	Whitham 35D	✓ Hard hat		Gloves	uryono - 71 picouo.	Lockout/Ta	-	Warning Sig	ne Ri Elagolar	_
208	Christan	H2S Monitor		Eye Protection		Required P	-	Fall Protection)
165-235	Kale	Safety Footwa	ar	Respiratory Pro	otection	Slip/Trip/Fa		Specific Job		pectations
		FRC/Protectiv		Additional Che		Overhead H		Muster Point		-
		Hearing Prote	ction	✓ Fire Extinguish	er	Additional	concerns or is	ssues noted below		
					Con	nments				
Product/ Service Code			lasta		Unit of Managura	Quantity				
CP055	H-Plug	Descr	Indian States	eration in the second	Unit of Measure sack	Quantity 270.00		allahi sa kata na kali sini dala		Net Amount
FE290	8 5/8" Wooden Plug	<u></u>			ea	1.00				\$3,229.20 \$156.40
M015	Light Equipment Mil				ml	60.00				\$110.40
M010	Heavy Equipment M				mi	60.00				\$220.80
M020	Ton Mileage				tm	699,00				\$964.62
D013	Depth Charge: 2001	'-3000'			job	1.00				\$1,840.00
C060	Cement Blending &	Mixing Service			sack	270.00				\$347.76
C030	Cement Service - At	ter 4 Hrs on Locat	on		hr	2.00				\$552.00
Custo	mer Section: On the	e following scale ho	w would you rate H	lurricane Services I	nc.?				Net:	\$7,421.18
						Total Taxable	\$-	Tax Rate:		\geq
Ba	sed on this Job, how	/ likely is it you w	ould recommend	HSI to a colleague	?	State tax laws dee used on new wells			Sale Tax:	\$-
						Hurricane Service	s relies on the	customer provided		
U	nlikely 1 2 3	345	678	9 10 Extr	emely Likely	well information a services and/or pr			Total:	\$ 7,421.18
						HSI Represe	ntative:	John Polley		

TERMS: Cash in advance unless Hurricane Services inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total involce due on or before the 30th day from the date of involce. Past due accounts shall pay interest on the balance past due at the rate of 1 %% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or altorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's accounts with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net involce price. Upon revocation, the full involce 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 royalles and stated price adjustments. Actual charges may vary depending upon lime, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. <u>DISCLAIMER NOTICE</u>: Technical data is presented in good faith, but no varranty 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 warrents that will 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 localion 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 ser

CUSTOMER AUTHORIZATION SIGNATURE

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EMENT	TRE	ATMEN	T REP	ORT						
		Ritchie			Well:	Well: Whitham 35D #1 Ticket: WP 2451				
		Oakley I			County:		Wichita KS	Date:	2/24/2022	
		Justin			S-T-R:		35-16S-37W	Service:	PTA	
		nformatio			Calculated S				culated Slurry - Tail	
Hole Hole I	e Size:	7 7/8			Blend:	H-Plug		Blend:		
Casing			ft In		Weight:	13.8 ppg		Weight:	ppg	
Casing I		······	ft		Water / Sx: Yield:	6.9 gal . 1.42 ft ³ /		Water / Sx: Yield:	gal/sx ft ³ /sx	
Tubing /	, i i i i i i i i i i i i i i i i i i i	4 1/2			Annular Bbis / Ft.:	0.0406 bbs		Annular Bbls / Ft.:	bbs/ft.	
	Depth:		ft		Depth:	ft		Depth:	ft	
Tool / Pa	acker:				Annutar Volume:	0.0 bbls	•	Annular Volume:	0 bbls	
Tool C	Depth:		ft		Excess:			Excess:		
Displace	ment:		bbls		Total Slurry:	68.2 bbis	1	Total Slurry:	0.0 bbls	
			STAGE	TOTAL	Total Sacks:	270 sx		Total Sacks:	0 sx	
TIME	RATE	PSI	BBLs	BBLs	REMARKS					
440a			-	-	Arrived on location					
450a				-	Safety meeting					
500a 909a	2.0	250.0	5.0		Rig up Water ahead					
913a		325.0	12.6	17.6	Mixed 50 SX cement 13.	8 ppg @ 2600'				
920a		250,0	5.0	22.6	Displacement	0 ppg @ 2000				
927a	0,0	200,0	28.5	51.1	Displaced mud with mu	d pump				
				51.1						
1017a	3.0	250,0	5,0	56.1	Water ahead					
1019a	4.0	400,0	20.2	76,3	Mixed 80 SX cement 13.	8 ppg @ 1610'				
1025a	4.5	200.0	14.5	90,8	Displacement				· · ·	
1109a	3.0	200.0	5.0		Water ahead					
1111a	4.5	400,0	10.0		Mixed 40 SX cement 13.	8 ppg @ 810'				
1115a	2.0	100.0	7.0		Displacement					
								and a state of a state		
1165a		250.0	5.0		Water ahead	A @ 0701				
1158a 1203p		300,0 100.0	12.6 0.5		Mixed 50 SX cement 13.	8 ppg @ 270'	····			
12030	2.0	100.0	0.0		Displacement					
110p	2.0	100.0	5,0		Mixed 20 SX cement 13.	8 ppg with wood	len plug @ 60'			
						110				
116p	2.0	100.0	7.5		Mixed 30 SX cement 13.	8 ppg in rathole				
127p					Wash up and rig down	1				
205p					Left location					
		CREW			UNIT			SUMMAR		
	enter:	John			914		Average Rate	Average Pressure	Total Fluid	
Pump Ope	erator:	Chris	tan	ſ	208		3.1 bpm	230 psl	143 bbls	
Bulk #1: Kale					165-235					

Ladder Creek Prospect

2013 Drilling Program

#1 Whitham 35D Approximately 1,110' FSL and 1,807' FEL Section 35-16S-37W Wichita County, Kansas

The Ladder Creek Prospect is located in central Wichita County, approximately eight miles northwest of the town of Leoti, Kansas. Potential zones of production include the multiple Lansing Kansas City Limestones, Altamont, Pawnee, Fort Scott, Myrick Station, Morrow Sandstone, and the Mississippian formation. Average total well depth is 5,100' in the Mississippian Limestone.

In early 2014, Ritchie Exploration, Inc. conducted a 3D seismic survey over a large acreage play covering over twenty-one square miles in 16S-37W and 17S-37W. The acquired leasehold lies in close proximity to several multiple-zone show holes and multiple producing wells. This large acreage block has been broken into three separate prospects based upon both regional subsurface indicators and various seismic anomalies. The Ladder Creek division includes over eight square miles in the northern portion of the survey.

The interpreted 3D seismic data shows well defined structure congruent with a currently producing structure in the east half of Section 35. The seismic anomaly looks to be a possible continuation of the structure the #2 Whitham 35AB is positioned on. The #2 Whitham 35AB was successful in completion in the Altamont formation and has produced over 7,700 barrels of oil in less than two years. Ritchie also drilled the #1 Whitham-Smith Trust in August of 2018 in the west half of section 35. It was completed in the Altamont formation as well, and has produced over 9,500 BO. Seismic mapping and subsurface contouring suggest that the two producing features in Section 35 possess the same desirable characteristics as the proposed location. The feature has well defined closure and Ritchie believes it is isolated from currently producing wells. The location will provide an opportunity to further exploit additional oil reserves in the prospect and further develop the area. Preparations are being made to test this feature by drilling in the Southeast of Section 35-16S-37W.

Due to the presence of a strong 3D seismic feature, supportive subsurface mapping, and being located in close proximity to proven producing wells, it is recommended to drill the #1 Whitham 35D location as referenced above.

Cordially,

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John Goldsmith Geologist