KOLAR Document ID: 1686845

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:	Feet from East / West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-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 yes, show depth set: Feet				
If Workover/Re-entry: Old Well Info as follows:					
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)				
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls				
Dual Completion Permit #:	Dewatering method used:				
SWD Permit #:	Location of fluid disposal if hauled offsite:				
EOR Permit #:	·				
GSW	Operator Name:				
	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. R East West				
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: 1686845

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	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, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion			
Operator	Raney Oil Company, LLC			
Well Name	UDEN 1			
Doc ID	1686845			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	315	Class A	1	3%CC2% gel
Production	7.875	5.5	17	3148	thik set	1	3%cc2%g el

810 E 7TH PO Box 92 EUREKA, KS 67045 (620) 583-5561



Ticket No. 6746

Foreman Russell mcloy

Camp Evicks

Date Cust. ID	# Lea	se & Well Number		Section	Township	Range	County	State
9-25-22 1375	uden	1					Cowley	Ks
Customer			Safety	Unit#	Dri	ver	Unit#	Driver
RA Energy	uc.		Meeting					
Mailing Address			RM	104	Alan			
11615 Rosev	000 A St.	STE 100	Am	114	A 165			
City	State	Zip Code	GAM	128	G-AT	4		
LEAWOOD	KS	66211						
Job Type Suctace Casing Depth 315 X. Casing Size & Wt. 05/8 Displacement 10/2 Remarks: Safety Rig Elite to Class A cemark Displace w/ 11 Tob Complete	B. Hole S 23# Cement Displace + Jub Proce 9 9/8 Chs: Tul 3/3 (3/2 water Tear Down	Left in Casing 20 cement PSI was ag. Flush	n Down w/ 10 11 1/4 0 Pit	Flocels	w/ m.) Her. mix	Dr Ot BF P-mp + P-n	MP 180 SKE	43 B

Code	Qty or Units	Description of Product or Services	Unit Price	Total
-101 w	1	Pump Charge	1265.00	1265.00
-107	60	Mileage	5.00	300.00
C-200	180	ski class a coment	18.55	3,339.00
2.205	500 th	CACIZ= 32	. 75	375.00
c-20b	300 #	Gel = 2%	.30	90.00
906.3	50 *	Florete = 1/4 # Parlsic	2.80	140.00
c-10B3	846	Ton's Tun Milenge 60 miles	1.50	761.40
				6,270.40
			590	4 326.34
		6.5%	Sales Tax	256.36
Authoris	ration by w		Total	6200.42

810 E 7TH PO Box 92 EUREKA, KS 67045 (620) 583-5561



Cement or Acid Field Report
Ticket No. 6794
Foreman Kevin McCoy
Camp Eureka

Date	Cust. ID#	Leas	e & Well Number		Section	Township	Range	County	State
10-15-22	1375	use	N #1					Cowley	Ks
Customer				Safety	Unit#		iver	Unit#	Driver
KAE	NERGY !	146		Meeting	104	Alan			
Mailing Address	,,,			am	113	Shan	NON F.		
11615	ROSEWOOD	1 5% 5te	100	5F					
City		State	Zip Code						
Leawood	1	Ks	66211						
				Set @ 3 K Set () out Amp ounter. (Rement wij flines S Kelin Firs Ressure, 7	1400 PSI B. Rig up S* Kol-S hut down + 20 BK)	to 5/a C eal/sk, Be/ens	1 "Phenoseal, e Latch Journ Pumping Pressi	Hug.

Plus R.H. 20 SKS M.H. 15 SKS

Code	Qty or Units	Description of Product or Services	Unit Price	Total
2 /02 W	1	Pump Charge	1495.00	1495.00
107	60	Mileage	5.00	300.00
201	145 sks	THICK SET CEMENT	24.25	3516.25
207	725 "	KOL-SEAL 5#/SK > 110 SKS ON LONGSTRING	.56 *	406.00
208	145 *	Phenoseal 1º/sk / 205ks R.H. 155ks M.H.	1.55 *	224.75
108 B	7.98 TONS	Ton Mileage 60 miles	1.50	718.20
421	1	51/2 LAtch down Plug	285.00	285.00
691	1	51/2 Guide Shoe	207.00	207.00
674	1	51/2 AFOR FlOAT COLLAR W/ LATCH down INSERT	443.00	423.00
604	2	51/2 Cement BASKets	278.00	556.00
504	5	51/2 x 71/8 Centralizers	59.00	295.00
222	1916	KCL (IN FIRST 20 BAL DISPLACEMENT WATER)	32.00	32.00
			Sub TotAL	8,458.20
		THANK YOU LED	Less 5%	442.23
		-M- 6.5%	Sales Tax	386.43
Authoriz	1	ager Martin Title GEO	Total	8,402.40

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

	ASE ODEN 1 RAHN CATION 3005' FSI			DANCE 06E	— Mea	15 025 2470	<u>.</u>	
CON SPUI	ONTRACTOR C & OD 09/24/2022 OD 3150'	G DRI	AL SURVEYS	KANSAS Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	SUR	CASING SURFACE 8 5/8" set @ 319' PRODUCTION 72 jts 5 1/2" 17# set @ 3148' w/110 sks ThickSet		
IATAL STAL LANS UPPE MAIN BASE KANS	ORMATION TOPS LNAKER SING ER LAYTON Zn N LAYTON SS E LAYTON SS ESAS CITY DOS CREEK	Divis	LOG 1642' (-526) 1682' (-566) 2092' (-976) 2110' (-994) 2139' (-1023) 2249' (-1133) 2293' (-1177) 2302' (-1186)	SAMPLES 1638' (-522) 1686' (-570) 2086' (-970) 2103' (-987) 2140' (-1024) 2246' (-1130) 2290' (-1174) 2300' (-1184)	09/24/20: 12 1/4" h 09/25/20: 09/26/20: 09/27/20:	CHRONO 22- MIRU C&G Drilling, Rig role. DTD 319'. 22- WOC @ 319'. 22- Drlg @ 377'. 22- Down for repairs @ 1513	#2. SPUD	
DENN SWOJ HERT BASE MAR ALTA PAW FOR CHE BASE	NIS OPE THA E KANSAS CITY RMATON AMONT		2348' (-1232) 2370' (-1254) 2426' (-1310) 2447' (-1331) 2530' (-1414) 2547' (-1431) 2586' (-1470) 2624' (-1508) 2863' (-1747) 289' (-1773) 2926' (-1810) 2929' (-1813)	2300' (-1184) 2344' (-1228) 2365' (-1249) 2420' (-1304) 2445' (-1329) 2525' (-1409) 2543' (-1427) 2581' (-1465) 2621' (-1505) 2655' (-1539) 2860' (-1744) 2886' (-1770) 2921' (-1805) 2924' (-1808) 2930' (-1814)	10/12/20: 10/13/20: 3150'. Rt 10/14/20: Straddle	22- Circ after repairs @ 1513 22- Drlg @ 2381'. 22- CFS @ 2957'. Drill to RT un E-logs. 22- @ RTD 3150'. Prep for D test Bartlesville Sand. 22- LDDP, run 5 1/2" produc 5150'.	D ST #1	
MISS COW RTD/	AARKS: 10/15/2022: Safety meeti w/10 bbl fres 13.8#/gal, yie Displace plu psi. Bump pl	ng: 5 1/2" 17: sh water. Mix eld 1.75 = 34 l g to seat w/ 73 ug to 1400 ps	2936' (-1820) 3117' (-2001) 3156' (-2040) asing cemented by Elite # casing set @ 3148.16' ed 110 sks Thick Set cen bbl slurry. Wash out pur 3.7 bbl fresh water (KCl	2930' (-1814) 3114' (-1998) 3150' (-2034) Cementing & Acid Service, LL/ KB. Rig up to 5 1/2" casing. Br nent w/ 5# Kol-Seal/sk, 1# Phen mp & lines. Shut down. Release l in 1st 20 bbl). Final pumping p pressure. Float & plug held. Go own. bmitted,	eak circulation oseal/sk @ latch down plug. ressure 800			
\$	GEITH INNE	psi	SAM	IPLE DESCRIPTION	0	TGV	300	
¥c	GROSITY DREILING INTE	1500					Mud Checks by: Mud-Co/Serv Mud 09/27/2022 Repairs @ 1513' wt 8.7, vp.36	
	5 10	1550					PV 5, YP 3 pH 11.5, WL 10.4 Cl 1800, LCM 1# ECD 9.59 10/11/2022 Circ/Repairs @ 1513' wt 8.65, vis 34 PV 3, YP 2 pH 10.5, WL 14.4 Cl 2700, LCM Trc ECD 9.54	
		1600	NSO IN SAMBLE	ES FROM 1500'-1600'				
	5 -c- 10 -c-		SH: Pred dk gy to h		r. NV Poro NSO		1638' (-522) IATAN	
	-c-	1650	SH: Pred gy-blk. SH: AA & SILTS:	sm sndy, Vfn Gr'd.				
	-c- 0 5 10	1700	Poro, NS, NF. sm I	SS- Sd Clust: lt-md gy, Vfn- fr LS AA & argil. NS, sm fribl, Pr- Fr visbl Poro			1686' (-570) STALNAKER	
	0 -5 10	1750	SILTS: AA & SH:	AA. n sndy silty SS- Sd Clust: Vfn				
	-C-		visbl Poro, AĀ, NS		, sm Pr- Fr			
	5 10 -c-	1800	SILTS & SH: AA.					
	5 -c-	1850	SH & SILTS: AA. sm Sndy Silts.					
	- c -	1900	w/ sm Fr- Gd Poro,	y, Vfn- fn Gr'd, Pred well sort NS. sm calc & lmy Sils & Sil	d, subfribl- fribl ty SS, NSO.			
	-c		Silts & Silty Sd Clusts Sd Clust, AA, S	ust w/ NSO. Silty & micac w/ Pr visbl Poro	NSO.			
	-c- -c-	1950	Pred Silts & SH.					
	5 10 -c-	2000	Pred SH: gy-blk &	SILTS: AA.				
	-c- 0 5 10	2050	SH- SILTS: AA. sm Sndy Silts & Sil	lty Sd Clust, AA, NSO.				
	-c- -CFS-(-984)	2100	Incrs Silts, sm calc. {LANSING} sm L	.S: gy, argil Mdst & Silty LS &			2086' (-970) LANSING 2103' (-987)	
	-CFS-(-989) ¹⁰ -c		Pr visbl Poro, sm fr	N Zn} Silty SS- Sd Clust: gy, ribl w/ Fr Poro, NSO. NF. NC ogy, Vfn Gr'd, silty- Vfn- fn Gr O.	. & Sndy Silts.		2140' (-1024)	
	0 5 10 -c-	2150	Gr'd, sm silty & mic Poro, NSO, NF, NO NS.	§ SS- Sd CLust: It gy-bf, Vfn- cac, sm shly, subfribl- fribl w/ O, NC. sm VPr- Pr visbl Poro	Fr- Gd aprnt & sndy Silts w/ Gr'd, subfribl- fribl		MAIN LAYTON S	
	C 5-c- 10	2200	SS- Sd Clust: gy-bf	t visbl Poro w/ NSO. NF. NO. f, Vfn- md Gr'd, Pred Vfn- fn C bl w/ sm Fr- Gd aprnt visbl Po	Gr'd, sm silty &			
	-c- 0 5 10	2250	SS- Sd Clust, AA, s Silts w/ NSO. {BASE LAYTON	sm Fr- Gd Poro, NSO, NF, NO } SH: gy-blk.	D, NC. sm sndy		2246' (-1130) BASE LAYTON S	
	-c-		SH: AA. {KANSAS CITY}	LS: gy-dn- ux & Wkst- Pkst,	sm argil- silty,		2290' (-1174) KANSAS CITY	
	-c- 0 5 10	2300	micac, sm calc, VPn SILTS: gy, sndy &	NS. (3) Silty SS- Sd Clust: gy, vfn (4) (4) T- Fr visbl Poro. NSO, NF, No. (5) micac & SS- Sd Clust: gy, Pr (6) Poro, NSO, NF, NC, NO.), NC.		2300' (-1184) DODDS CREEK	
	0 5 10 -c-	2350	Poro, NS. SH: gy-blk & sm bl	n-tn-gy-bn, ux- mdx, Wkst- Pk lk carb. -bn-cm, ux- dn, sm Mdst- Wks			2344' (-1228) DENNIS 2365' (-1249) SWOPE	
	- c -	2400	sm argil Mdst. SH: Pred blk subca	arb to Vcarb & dk gy-blk. gy.			Drlg @ 2381' wt 9.1, vis 35 PV 8, YP 10 pH 10.5, WL 10.4 Cl 2100, LCM 1# ECD 9.85	
	-c-		Poro, NS. SH: gy-blk. LS: AA & argil- sh	gy-tn-cm, Mdst- Wkst & dn- ug dy & dn Mdst. CITY} SH: Vgt'd, gn-gy & g			2420' (-1304) HERTHA 2445' (-1329) BASE KANSAS	
	5 10 -c-	2450	SH: AA & sm blk c	earb.			CITY	
	0 5 10	2500	SH: AA. Abndt gy SH.	S. om	L Ter		2525' (-1409) MARMATON	
	- c - 0 5 10	2550	Wkst- Pkst, sm Pr v SFO- FLR & STN SH: Blk carb. {ALTAMONT} Ls chlky & ux- finxln,	S: tn & gy-bn-wh, sm motl'd V Trc md- crs X's, Pred VPr- Pr Poro, Trc Fr- Gd Poro, 5% v	IX Poro, Trc Vkst- Pkst, prt visbl Poro: pp		2525' (-1409) MARMATON {Trc SFO) {Trc SFO)	
	- c -	2600	Tre mdx, sm Pr- Fr spt'd- sat FLR, Sl SH: AA, sm blk car	m-tn-gy-wh, sm motld Wkst- I Poro: pp Poro, IGr Poro, IX I SFO- gsy Odor, VLt OSTN rb & dn & argil LS, AA.	Poro, 5% <10%	1	2581' (-1465) PAWNEE (SI SFO)	
	-c-		Shrp Incrs SH: blk LS: 10% w/ FLR, {FORT SCOTT} } & Wkst- Pkst & ux		pp Poro, IGr		{SI- Fr SFO) 2621' (-1505) FORT SCOTT {VSI SFO)	
	-c- 5 10	2650	SH: blk carb. LS: dn & argil. {CHEROKEE} SI & SILTS: gy, calc of SH: dk gy-blk, sm b	& lmy.			2655' (-1539) CHEROKEE	
	0 5 10 -c-	2700		/-blk, sm gn-gy & mrn-rd.				
	0 5 10	2750	sm calc & lmy SH of SH: blk carb, VRr of sm LS: argil, dn & SH: AA, Pred dk gy	Coal.	., sm calc & lmy.			
	-C-		SH: AA, sm micac	SH & Rr pyrtc.				
	o 5-c- 10 -cCFS-(-1718)	2800	Pred SH: AA.	b, sm calc & lmy SH- Silts.				
	-cCFS-(-1718) 5 10 -cCFS-(-1749)	2850	Poro. {BARTLESVILLI Gr'd, Rnd'd to angle sphr, silty, well cmt OSTN, SI- Fr SFC Clust: Pred Tn-bn	m micac, sm sndy: Vfn-fn Gr'd E} Sd Clust: gy w/ Tn-bn OS r Gr's, Pred Vfn- fn Gr'd, mod t'd to fribl w/ Fr- Gd Poro w/ s O & Strmg to milky Cut, Fr OSTN, Incrs fn-md Gr'd, wel	TN, Vfn- md • Pr sont'd, Hi-low ubsat- sat Odor. Abndt Sd. I md'd- subanglr,	2860' (-1744) BARTLES' ILLE {SI-Fr SEQ} {SI-Fr SFO)	3	
	-cCFS-(-1781)	2900	Clust: Pred Tn-bn fribl w/ Fr- Gd Porc Odor, silty micae. Sd Clust: AA, gy w SFO. {BASE BARTLES	OSTN, Incrs fin-md Gr'd, wel o, sat OSTN- FLR & SI- Fr v/ Tn-bn OSTN, Vfin-md gr'd, SVILLE} SH: Vft'd, gy-blk, s	I md'd- subangir, SFO & Cut, Tres ers Gr's, Fr m carb & gn-gy.	{SI-Fr SFO) {Fr SFO) 2886' (-17/0) B/BAR PLESVILLE	DST #1 BARTLESVILLE 2641'-2880' E-log measurements: 2641'-2880' 239' of anchor LTD: 3156' 276' of tail pipe Rotary measurements: 2635-2874' (RTD 3150')	
	-CFS-(-1812) -CFS-(-1824)	25	{Eros. MISSISSII Pkst & Mdst. & CH FLR- VSI SFO & wh-cm-gy-tn, VRr 'S Tripolc w/ subsat- VRr Gd Cut, Frly Chert. {MISSISSI VCherty, AA, shrp LS w/ FLR- SI- Fr (2940'} LS: tn-cm- VCherty- Pred shrp	PPIAN} LS: gy-blk, argil-shl HERT: gy-blk, shly, wthr'd w/ Cut. {MISSISSIPPIAN} CI SI wthr'd-shrp w/ SI FLR, Rr sat FLR- OSTN, Fr SFO & v Strng Oil Odor, Trc Gd SF IPPIAN} LS: tn-wh, ux-fnxlr & Tripolc, sm Fr- Gd Poro Cl r SFO- Cut- Odor. wh & gy, motl'd Wkst- Pkst & o, frsh Chert, Pred Pr visbl Por nt UFre Poro, Rr FLR- SFO-	y, Cherty Wkst- pp Poro, OSTN- HERT: Tripole & prt SI- Fr mlky Cut, O- Cut, sm pyrte & Wkst- Pkst, hert, Pr- Fr Poro in tux- fnxln, o: pp- uIGr Poro	2921' (-1805) Eros MISS {VSI 6FO} 2024' (-1808) MISS CHERT {Fr SFO) 2930' (-1814) MISS LS {SI-J r SFO)	(RTD 3150') 15-45-75-90 1st Op: Strng blo, BOB in 1.5 min, blt to 78.54", No BB 2nd Op: Strng blo, BOB in 1.5 min, GTS 23 min, blt 50 137.13", No BB Rec: 1849' TF: 559' MCW 10%M,90%W	
	0 5 10 -c -CFS-(-1844)	2950	LS: wh-cm-tn, prt c fos Chert, Pred Pr v Poro, uIX Poro, Rr	nt UFre Poro, Rr FLR- SFO - chlky Wkst- Pkst- fos, SI Cher visbl Poro, Rr Fr aprnt Poro, u r FLR & VSI SFO & Cut, R : SI milky Cut, VSI Odor on l	ty: gy-wh motl'd- IGr Poro, uFrc r Fr Poro w /	{V\$l SFO)	10%M,90%W 384' MCW 20%M,80%W 192'GWCM 2%G,18%W 80%M 448' GWCM 5%G,10%W 85%M 266' DM 1st Gas Rate: 49.03 Mcf/d Last Gas Rate: 6.89 Mcf/d	
	-cCFS-(-1876) -cCFS-(-1907)	3000	Fr Poro: IGr Poro, 1 Odor on brk, Tre sm fnxln- 2nd ReX-		O & Cut, SI Tre VLt OSTN,	{V\$I SFO)		
	-cCFS-(-1907)	3050	w/ Pred Pr- Fr visbl 5% w/ FLR & VS wh-gy-tn motl'd, fos LS: cm-tn & gy-wh sm 2nd ReX, prt su Poro, uIfos Poro, uI	'd Wkst- Pkst- subchlky in prt l Poro: pp Poro, IGr Poro & st SI SFO & Cut, Tre STN, SI C s- shrp, Tre uFre Edg FLR & a, motl'd Pkst & Wkst, fos & st abchlky - chlky w/ Pred Pr vist Frac Poro, Rr F Poro, <5% v	n aprnt Fre Poro, :HERTY: & Tre SFO & Cut m prt fn- mdxln- ol Poro: uIGr v/ spt'd FLR &	{VSI SFO)	CFS @ 2957' wt 9.2, vis 42 PV 10, YP 8 pH 10.0, WL 9.2 Cl 1600, LCM 5# ECD 9.83 {VSI SFO}	
	-cCFS-(-1970)		Poro, ulfos Poro, ul VSI SFO, VSI Cut	Frac Poro, Rr Fr Poro, <5% v t. SI Cherty, VRr argil- shly W 'd Pkst & Wkst- fos, sm prt ch Rr Fr Poro: IGr Poro, Ifos Po	v/ spt'd FLR & kst & Pkst.		{Trc SFO)	
- '	0 5 10 -cCFS-(-2002)	3100	COWLEY Facies Pred VPr visbl Porc	Dolome LS: bf-gy, md-dk gy o, Trc FLR-SFO , >99% barr	-bn, uxln, argil w/ en.		3114' (-1998) COWLEY Facies {Trc SFO)	
			DLS- DOLO: bf-gy Poro, Trc FLR- SI Poro, SI Cherty.	y-tn, ux- Vfnxln, usucro w/ Vl F O & Resid Cut , >99% barra	Pr- Pr visbl uIX n w/ VP-	{Trc SFO)	Make up DST @ 3150' wt 9.3, vis 50	



Raney Oil Company LLC

4665 Bauer Brook CT Law rence, Ks. 66049

ATTN: Roger Martin

7-34s-6e Cowley Ks

Uden #1

Job Ticket: 68687 DST#: 1

Test Start: 2022.10.14 @ 08:12:31

GENERAL INFORMATION:

Formation: Bartels ville Sand

Deviated: Whipstock: No ft (KB)

Time Tool Opened: 12:14:16 Time Test Ended: 23:56:46

2641.00 ft (KB) To 28880.0 ft (KB) (TVD) Interval:

Total Depth: 3156.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Straddle (Initial)

Tester: Matt Smith Unit No:

68

Reference Elevations:

1116.00 ft (KB)

1107.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8788

Start Date:

Start Time:

Inside Press@RunDepth:

896.68 psig @ 2022.10.14

08:12:36

2642.00 ft (KB) End Date:

End Time:

2022.10.14

23:56:46

Capacity: Last Calib.: 8000.00 psig

2022.10.15

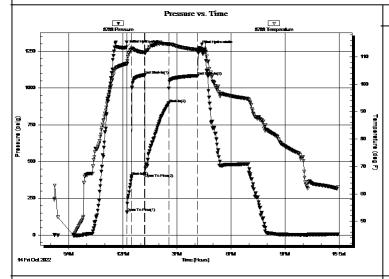
Time On Btm: Time Off Btm: 2022.10.14 @ 12:11:16 2022.10.14 @ 16:13:16

TEST COMMENT: IF: Strong Blow . B.O.B. in 1 1/2 mins . Built 78.54". (15)

ISI: No Blow. (45)

FF: Strong Blow . B.O.B. in 1 1/2 mins. G.T.S. in 23 mins. Built to 137.13". (75)

FSI: No Blow . (90)



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1276.10	107.43	Initial Hydro-static
3	155.21	107.34	Open To Flow (1)
19	402.18	112.97	Shut-In(1)
62	1087.71	111.53	End Shut-In(1)
63	417.89	111.30	Open To Flow (2)
142	896.68	114.62	Shut-In(2)
238	1083.40	112.52	End Shut-In(2)
242	1273.42	112.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
559.00	MCW 10%m 90%w	5.90
384.00	MCW 20%m 80%w	5.39
192.00	GWCM 2%g 18%w 80%m	2.69
448.00	GWCM 5%g 10%w 85%m	6.28
266.00	DM 100%m	3.73

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	116.61	49.03
Last Gas Rate	0.13	4.00	6.89
Max. Gas Rate	0.13	137.13	56.71

Ref. No: 68687 Printed: 2022.10.15 @ 08:21:04 Trilobite Testing, Inc



Raney Oil Company LLC

4665 Bauer Brook CT Law rence, Ks. 66049

ATTN: Roger Martin

7-34s-6e Cowley Ks

Uden #1

Job Ticket: 68687 DST#: 1

Test Start: 2022.10.14 @ 08:12:31

GENERAL INFORMATION:

Formation: Bartels ville Sand

Deviated: Whipstock: No ft (KB)

Time Tool Opened: 12:14:16 Time Test Ended: 23:56:46

2641.00 ft (KB) To 28880.0 ft (KB) (TVD) Interval:

Total Depth: 3156.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Straddle (Initial) Tester: Matt Smith

Unit No: 68

Reference ⊟evations:

1116.00 ft (KB)

1107.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8737

Press@RunDepth:

Outside

psig @

2642.00 ft (KB)

2022.10.14

Capacity: Last Calib.: 8000.00 psig

2022.10.15

Start Date: Start Time: 2022.10.14 08:12:32

End Date: End Time:

23:56:57

Time On Btm:

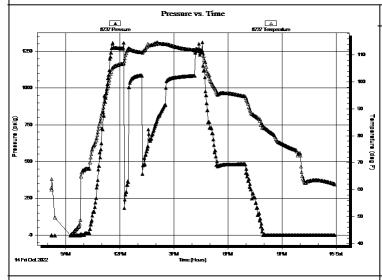
Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 1 1/2 mins . Built 78.54". (15)

ISI: No Blow. (45)

FF: Strong Blow . B.O.B. in 1 1/2 mins. G.T.S. in 23 mins. Built to 137.13". (75)

FSI: No Blow . (90)



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
559.00	MCW 10%m 90%w	5.90
384.00	MCW 20%m 80%w	5.39
192.00	GWCM 2%g 18%w 80%m	2.69
448.00	GWCM 5%g 10%w 85%m	6.28
266.00	DM 100%m	3.73

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	116.61	49.03
Last Gas Rate	0.13	4.00	6.89
Max. Gas Rate	0.13	137.13	56.71

Trilobite Testing, Inc Ref. No: 68687 Printed: 2022.10.15 @ 08:21:04



Raney Oil Company LLC

4665 Bauer Brook CT Law rence, Ks. 66049

ATTN: Roger Martin

7-34s-6e Cowley Ks

Uden #1

Tester:

Job Ticket: 68687 DST#: 1

Test Start: 2022.10.14 @ 08:12:31

GENERAL INFORMATION:

Formation: Bartels ville Sand

Deviated: Whipstock: No ft (KB)

Time Tool Opened: 12:14:16 Time Test Ended: 23:56:46

Interval: 2641.00 ft (KB) To 28880.0 ft (KB) (TVD)

Total Depth: 3156.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Straddle (Initial)

Unit No: 68

Matt Smith

1116.00 ft (KB)

Reference ⊟evations:

1107.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6799

2887.00 ft (KB) Press@RunDepth: Capacity: 8000.00 psig psig @

Start Date: End Date: Last Calib.: 2022.10.15 2022.10.14 2022.10.14

Start Time: 08:12:08 End Time: 23:56:03 Time On Btm:

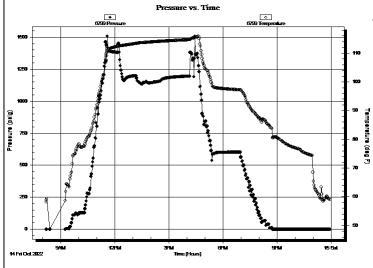
Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 1 1/2 mins . Built 78.54". (15)

ISI: No Blow. (45)

FF: Strong Blow . B.O.B. in 1 1/2 mins. G.T.S. in 23 mins. Built to 137.13". (75)

FSI: No Blow . (90)



PRESSURE SUMMARY

_				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
'				
,				

Recovery

Length (ft)	Description	Volume (bbl)
559.00	MCW 10%m 90%w	5.90
384.00	MCW 20%m 80%w	5.39
192.00	GWCM 2%g 18%w 80%m	2.69
448.00	GWCM 5%g 10%w 85%m	6.28
266.00	DM 100%m	3.73

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	116.61	49.03
Last Gas Rate	0.13	4.00	6.89
Max. Gas Rate	0.13	137.13	56.71

Ref. No: 68687 Printed: 2022.10.15 @ 08:21:05 Trilobite Testing, Inc



FLUID SUMMARY

Raney Oil Company LLC

7-34s-6e Cowley Ks

4665 Bauer Brook CT Law rence, Ks. 66049 Uden #1

Job Ticket: 68687

DST#: 1

ATTN: Roger Martin

Test Start: 2022.10.14 @ 08:12:31

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:19000 ppm

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

Water Loss: 9.18 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1300.00 ppm Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
559.00	MCW 10%m 90%w	5.899
384.00	MCW 20%m 80%w	5.387
192.00	GWCM 2%g 18%w 80%m	2.693
448.00	GWCM 5%g 10%w 85%m	6.284
266.00	DM 100%m	3.731

Total Length: 1849.00 ft Total Volume: 23.994 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: MAS PRATT

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .40 @ 60 Degrees = 19,000 Chlorides.

TS MCW 2%m 98%w

Trilobite Testing, Inc Ref. No: 68687 Printed: 2022.10.15 @ 08:21:05



GAS RATES

Raney Oil Company LLC

7-34s-6e Cowley Ks

4665 Bauer Brook CT Law rence, Ks. 66049 Uden #1

Job Ticket: 68687

DST#: 1

ATTN: Roger Martin Test Start: 2022.10.14 @ 08:12:31

Gas Rates Information

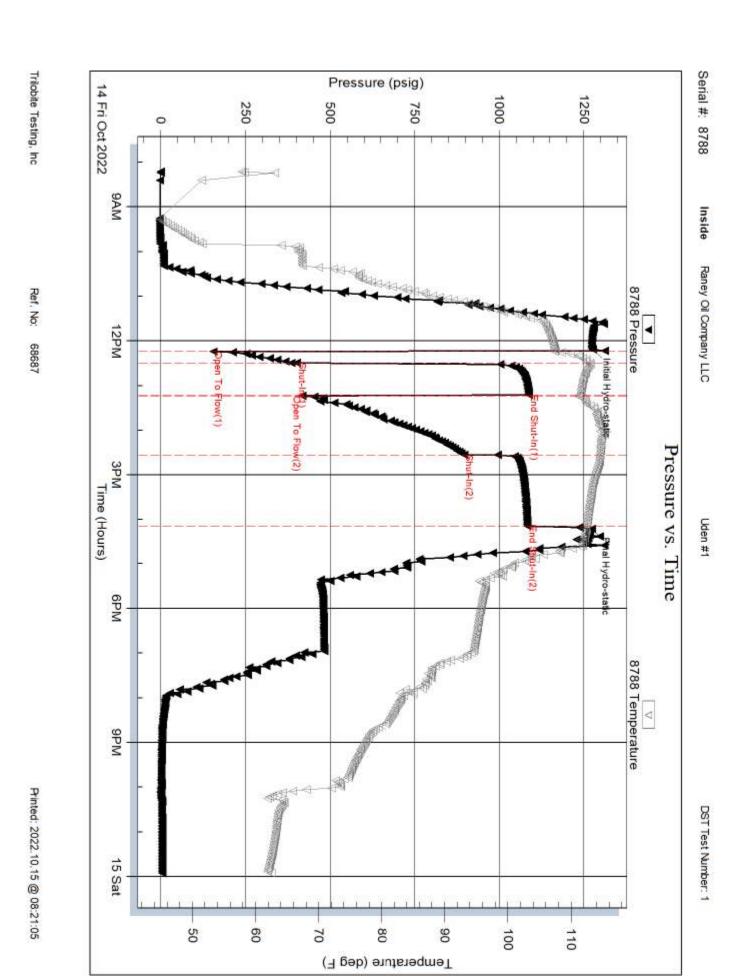
Temperature: 59 (deg F)

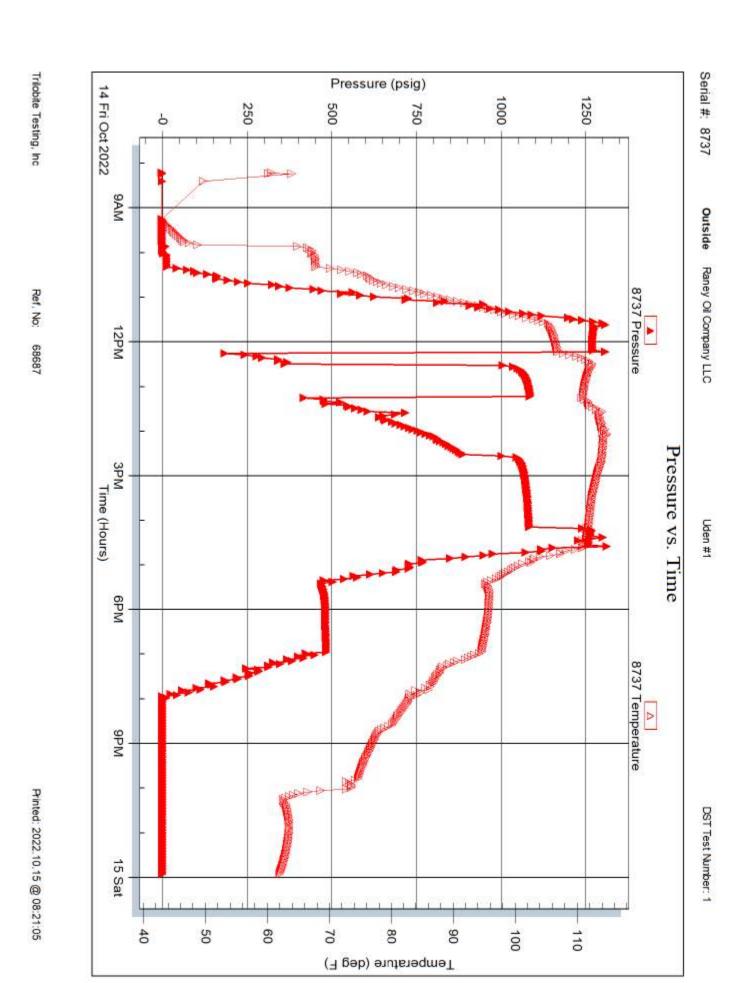
Relative Density: 0.65 Z Factor: 0.8

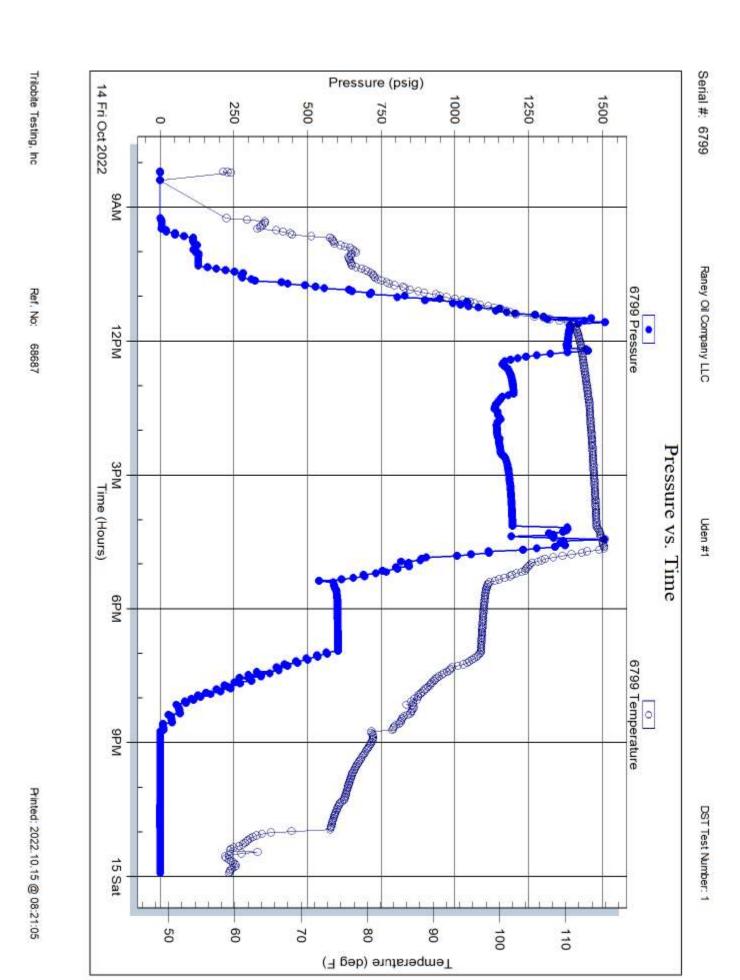
Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	23	0.13	116.61	49.03
2	30	0.13	137.13	56.71
2	40	0.13	53.41	25.38
2	50	0.13	12.37	10.02
2	60	0.13	5.46	7.43
2	70	0.13	5.57	7.47
2	75	0.13	4.00	6.89

Trilobite Testing, Inc Ref. No: 68687 Printed: 2022.10.15 @ 08:21:05







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



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

Laura Kelly, Governor

Susan K. Duffy, Chair Dwight D. Keen, Commissioner Andrew J. French, Commissioner

February 05, 2023

Thomas Raney Raney Oil Company, LLC 4665 BAUER BROOK CT. LAWRENCE, KS 66049-9013

Re: ACO-1 API 15-035-24764-00-00 UDEN 1 NW/4 Sec.07-34S-06E Cowley County, Kansas

Dear Thomas Raney:

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 9/25/2022 and the ACO-1 was received on February 03, 2023 (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