KOLAR Document ID: 1359782

Confiden	tiality Requested	1:
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	& I FASE
	III JIONI	- DESCRIF HOR		a 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:
	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 #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposa in flauled offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. 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 III Approved by: Date:

KOLAR Document ID: 1359782

Operator Nam	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	eets)	Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample
Samples Sent to Geolog	*		és 🗌 No	Ν	lame	e		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:			ies No ies No ies No						
		Repo	CASING I] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled		ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Туре	e of Cement	# Sacks Used	k		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the is Was the hydraulic fractu Date of first Production/Inj 	total base fluid of the h ring treatment informa	nydraulic fra tion submit	acturing treatment	al disclosure regis	-	Yes ns? Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITION	I OF GAS:		M	ETHOD OF COM	IPLE	TION:			ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease		Open Hole		-		mingled	Тор	Bottom
	oration Perfora Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Range Oil Company, Inc.
Well Name	GLENWOOD FARMS 1
Doc ID	1359782

Casing

	Size Hole Drilled	Size Casing Set		Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	230	common	145	3% CaCl

(62	EUREKA, KS 67045 (620) 583-5561	5 CEMENTING & ACID SERVICE, LLC	Camp Eureka	сека
Date	Cust. ID #	Lease & Well Number Section		County State
6-22-17 Customer RAMS Mailing Address P.o. B City		Comparty, INC. AMAMS # 1 1 Comparty, INC. Recting 105 XM Htt XM Htt D6 100 D4 100 D4 100	SE Niver SE	
bh Type 1 bh Type 1 ising Dej ising Siz	CACE	Hole Depth 235 1 I I Slurry Vol. 31.64 Hole Depth 235 1 Slurry Vol. 31.64 Displacement Left in Casing 15 Water Gal/SK 5.2 Displacement PSI Bump Plug to	Tubing Drill Pipe	
Remarks: <i>Wheed</i>	Remarks: Safety Meetw White R. Mixed 1455 VICIN 1.18 = 31 BUL 51 Cement Slukry to At	etrug: Big up to 85% Casing. BROAK 15 SKC CASS A" (conent u) 3% (acts 1) 5/ un Job Complete. Rig down.	Creulation w/ 5 4# flo-Sal /5K 0 9ter. Shut Caring	636 Fresh 15.2 \$ 9.996 11. 1.866
Note:	LAST S WRIT I H Cement	al of Displacement we had Very Little an Location AFTER Job WAS Complete	Fluid Returns t. Cellas Standing	Support Full of
Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	/	Pump Charge	840.00	840.00
107	30	mileage	24.22	1/0.50
	14/5 5/45	Class A Cement	15:00	2175.00
C 209	35#	12	2.25 +	
C 108	6.82 TONS	Tow Mikage.	M/c	345.00
C 413	/	878 Wooden Plug	80.00	80.00
C 506	R	-	65.00	130.00
		THANK YOU		4013.25
			5 % Sales Tax	182.91
	interest	110/110/110/110/110/110/110/110/110/110		

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

SEOLOGIST ON WELL DRII DO TRE SAMPLES EXAMPLED FROM SUNT. MOLOGICAL SUPERVISION NAT RACTO rn C FORMATION TOPS Marmatun Marmatun Miss A RTD Lansing B/Lansing Kansas 0 ansas uny 5 CARAS OBEAS Butler 3 1800 Mellor 330'FSL + 1650'FEL, Glenwood Farms # Range Oil Co., Inc. Xer T 0 & G Drilling 20' smples 24Z nds. A series of the $\langle \hat{c} \rangle$ 2060' 1400' 入en 1400' chem 2293 (-950) 2422 (-1073) 2452 (-1103) 1930 (-581) 2082 (-733) 2233 (-884) Co. SE/4 2496 821 (-472) メ S SAMPEES Surface 2450 Wallace SAMPLE T S Μ (-1)47 5 2 $\sum_{i=1}^{n}$ SURFACE 03 1800k $\frac{1}{2}$ $\widehat{\mathbb{O}}$ 2040 RTD ELEVATIO RTD 848" @ 230" None N-12 RTD 1343 1349' ×В C) ener CQ L NONE 0 20 REMARKS DST in Miss was negative. Well plugged & abandoned. 6-21-17 6-22-17 MIRT MINI Sphd Drlg@373; 14°@235 Drlg@2049': Bit tripat 2044'; 14°@776'; 124 @1273; 12°@2049' Cire@2446' RTD 2496' 6-23-17 6-24-17 Wallace, Geologist Ken 6-25-17 6-26-17 EGEND 2004 Ing. - and Example of the part - 32 - 24 - 22 - 20 - 2 Antrydette Slaft Sandstona Sharr Lincstona Ool.Linne Carls di Chert Deternite \$ 2 SCALE 100 DRILLING TIME Kolo of Pone 2022 - Handas Per Frod Catego Penetration SAMPLE, DESCRIPTIONS DEPTH 80 1700 Shigy, soft, mic, sdy 20 40 AA; sm vfgd, gy, mic, 60 80 sh, gy-dkgy, sl slty Lansing 1821 (-472) Ls, off wh, ool, foss, NS 40 Ls, 1+ tan, vf ool, s) foss, sh, grn, sm gy 60 Ls, Hbrn, faln-dse, slool inpt, sloky, sm bl A, Ns 80 Ls, off wh - tan, ool, sicky, fass, NS 1900 sh, gy smgrn BlLansing 20 45, tan, 5/00), NS 1930(-581) 5 ltstone, gy, mic, bl org? specks, trufgd 55, 40 60 : AA 80 2000 AA 20 AA 40 sh, gy, soft, sl sdy 60 Kansas City 2082 (-733 80 Ls, tan-offwh, ool, NS Twister Mid sh, gy, It grn 6/24/17 (2083) Ls, off wh, smgy, ool, fxh-dse, tr foss, NS Vis 40 2100 w+ 9 LCM Z sh, gy, grm, red Ls, It gy-tan, fx/n, vfqd oolts, slcky, NS 20 Ls, gy, ool inpt, tr foss, 40 15/30" Ls, tan, ool, vfoss, pooc\$, NS CFS O sh, gy, red, It grn 60 Ls, gy, fxln, eky, avs sh, 61 80 Ls, wh-offwh, oolinpt, & (whA), cky, NS 2200 Ls, tan, grnl, NS 56,61 Ls, tan, ool, foss, NS Zo BI Kansas City sh, grn, gy, tr red 2233 (-884) sh, md gy, much pyr sm fng2, gy, mic, ss ss, md gy, vfgd, mic, p sortd, argl 40 Sh, md gy, mic, slty 60 Sh, AA, Saly 80 Marmaton sh, mdgy, smbl 2299 (- 950) 2300 Ls, gy, fxln, ool, wy interbed, 55, glac, NS sh, If grn-gy, sity 20 sh, AA wy sm vfgd 55, NS DST#1 2406-2461 30-30-30-30 Rec: 1'FO, 4'0cm Ls, tan, fxh, dse, cky (5% oil, 95%)m) 40 FPS 26/28-30/33# 54,61 51Ps 432-343# Ls, brn my interbd grn, trool, fxln, NS sh, gy, grn, brn, smbl 60 Ls, brn, ool, foss, NS Sh, gy, smgrn, red Ls, tan, ool inpt, fxln, sI cky, NS 80 Twister Mud 54.61 6/25/17 (2410) Ls, tan-gy, ool, It gy oolts, foss, NS V15 49 wt Ĝ 2400 LCM 2 sh, 61 Cherokee Sh CFS O Ls, fan, smgy, faln, sl 2422 (- 1073) short trip D NS 1055, 20 56,61 Ls, tan, fx/n, cky, sm pyr 1 廿 sh, gy, red, brn, for pes 40 Miss A ss, cl, fqd, psortd, prnd, fIGd, ssfo/stn, fodor CFS O 2452 (- 1103) CFS O Sh, red, tr Itgn, SIA CFSO 15" A, yello, sm tan, milky, Twister Mud Harn, milly fresh, sm 6/25/17 (2438) Weathd, ssro m weather 1/10 m 60 6/25/17 (2438') CFS O 4 CFSO. V15 52 fodor 30" AA, tess So, fod > [15" ∆, tan weath (90%), yellow fresh to weath & (10%) $\Delta = \Delta$ wt 9.3 Δ CFS () Ζ LCM <u>A-</u> Solid Arg ad Solid Arg ad Solid A, Strg ad Bolid A, Strg ad Solid AA, less SFO/less 80 4 2476': 15" 98% 4, AD Wh, yello, 80% fresh, 20%, weath, NS, Δ 50 CFS Otr FL, barren, slod RTD 2496' A, Hyello, bone, fresh 30" Δ 75% 525%, Δ, yellow, Wha, fresh NJ, trodor, barren A, It Jend, tr pug & in fou pes (<1%), fr FL (60%), sold stn (20%), gdod, tr Fo on bk; 15" tr stn, tr FL; 30" NS B, 9990, wh, offwh, yello, fresh, NS, NFL, Nad 2500

DIAMOND TESTING

General Information Report

Representative

Well Operator **Report Date Prepared By**

Qualified By

Start Test Time

Final Test Time

DST#1

Ricky Ray

Ricky Ray Ken Wallace

14:22:00

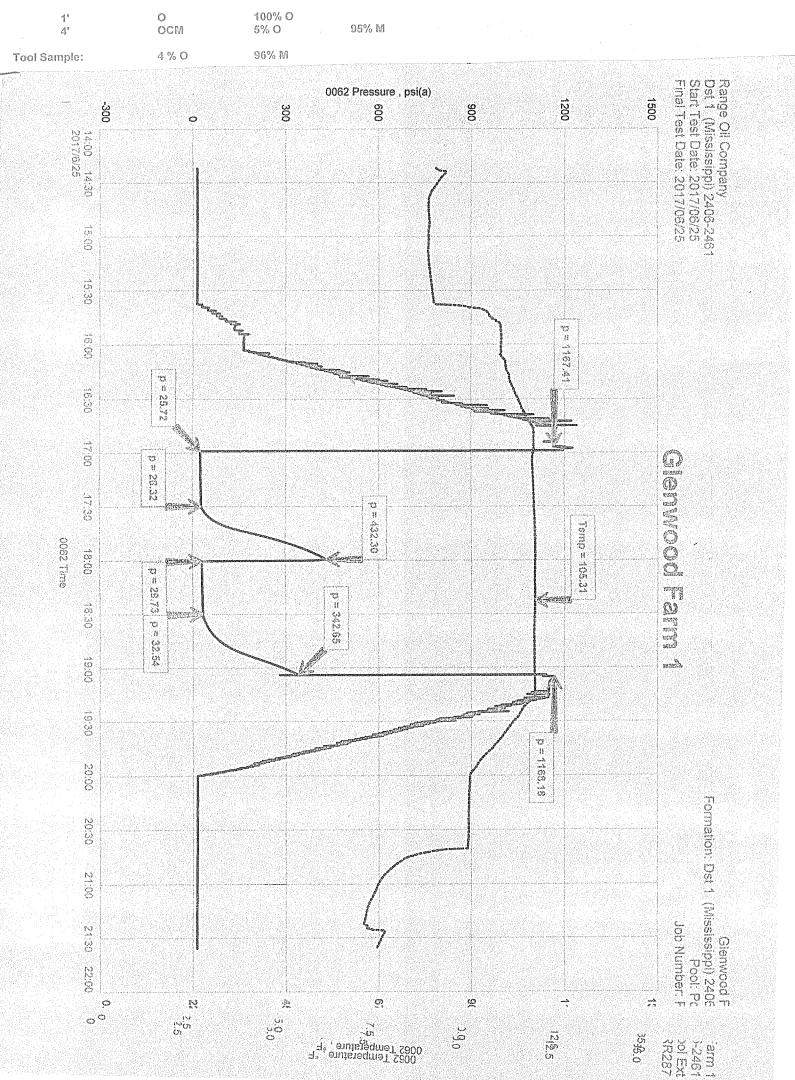
21:36:00

Range Oil Company 2017/06/25

Go	eneral Information
Company Name	Range Oil Company
Contact	John Washburn
Well Name	Glenwood Farm 1
Unique Well ID	Dst 1 (Mississippi) 2406-2461
Surface Location	Sec: 1-24s-3e (Butler County)
Field	Mellor
Well Type	Vertical
Test Type	Drill Stem Test
Formation	Dst 1 (Mississippi) 2406-2461
Well Fluid Type	01 Oil
Start Test Date	2017/06/25
Final Test Date	2017/06/25

Test Recovery:

Recovery:



|--|

DIAMOND TESTING, LLC P.O. Box 157 HOISINGTON, KANSAS 67544 (620) 653-7550 • (800) 542-7313 GLENWOODFARMS#1DST1

		GLENWOOI	GLENWOODFARMS#1DST1			
Company Range Oil Company,	iy, Inc.		Lease & Well No. Glenwood Farms No. 1	nwood Farn	ns No. 1	
Elevation 1343 GL Forms	Formation Mississippi		Effective Pay		- Ft. Ticket No.	t No. RR287
-25-17 Se		24S Range		Butler	State	Kansas
pproved By	Kenneth C. Wallace		Diamond Rep		Ricky Ray	
Formation Test No.	Interval Tested from	from	2,406 _{ft} to 2,	2,461 ft Tc	Total Denth	2,461 _{ft}
Packer Depth 2,401 ft.	ft. Size	6 3/4 _{in.}	acker Dept		ft. Size	: .
		6 3/4 _{in.}	Packer Depth_			; . <u></u>
Depth of Selective Zone Set_		ţ,				
Top Recorder Depth (Inside)		2,394 ft.	Recorder Number		0062 Cap.	5,000 psi.
Bottom Recorder Depth (Outside)	ide)	2,442 ft.	Recorder Number	ber	8471 Cap.	5,000 psi.
Below Straddle Recorder Depth	th	Ĥ.	Recorder Number	ber	Cap.	psí.
Drilling Contractor C & G Drilling	Company	- Rig 1	Drill Collar Length		236.ft I.D.	2 1/4 in.
Mud Type Chemical	Viscosity	52	Weight Pipe Length		ft 1.D.	l in
9.3	Water Loss	8.3 cc.	Drill Pipe Length		2,138 _{ft} I.D.	3 _{in.}
Chlorides 1,240		P.P.M.	Test Tool Length		³² ft Tool Size	3 1/2.
Jars: Make Sterling	_Serial Number	12	Anchor Length 25' pe	25' perf. w/30' drill pipe		
Did Well Flow? No Reve	Reversed Out No		Surface Choke Size		Bottom Choke Size	
			Main Hole Size		Tool Joint Size_	4
Blow: 1st Open: Weak, surface blow increasing to 1/4 in. in 30 mins. No blow back during shut-in	/ increasing to 1/4 in.	in 30 mins. No blo	ow back during shut-in.			
2nd Open: No blow. No blow back during shut-in	back during shut-in.					
Recovered 1 ft. of ^{oil = .00}	ft. of oil = .004920 bbls. (Grind out: 100%-oil)	t: 100%-oil)				
4	ft. $of slightly oil cut mud = .019680 bbls. (Grind out: 5%-oil; 95%-mud)$) bbls. (Grind out: 5	;%-oit; 95%-mud)			
5	ft. of TOTAL FLUID = .024600 bbls.	ls.				
Recovered ft. of					370-0419-15-04-040-15-04-0-0-0	
Recovered ft. of						
Recoveredft. of		1974				
Remarks Tool Sample Grind Out:	ut: 4%-oil; 96%-mud	pnu				
Time Set Packer(s) 5:00 P.M.		Time Started off Bottom	m 7:00 P.M.	Maximum	Maximum Temperature	105°
Initial Hydrostatic Pressure		(A)	Ţ			50°
Initial Flow Period	Minutes	30 (B)_	26 P.S.I.	to (C)	28 p	28 P.S.I.
Initial Closed In Period	Minutes	30 (D)_	432 P.S.I.			
Final Flow Period	Minutes	30 (E)_	30 P.S.I	to (F)	33	33 P.S.I.
Final Closed In Períod	Minutes	30 (G)_	343 P.S.I.			
Final Hydrostatic Pressure		_(H)	1168 P.S.I.	Ň		

810 E 7 TH				Cement or Acid Field Report	cid Field F	Report
CU BOX 92 EUREKA, KS 67045 (620) 583-5561	45 CEMENTING & ACID SERVICE, LLC	ERVICE, LLC		Foreman <u>SZeve AA</u> Camp <u>Eureka Ka</u>	STevennea.	
Date Cust. ID #		Section	Township	Range	County	State
,	Glesnward Farms"		245	3£	Butler	Xs S
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	o A A	Alan M		Unit #	Driver
dress	Υ	5m // C Ani 74	Jasen H	H		
	State Zip Code			·	,	
111) 10 PT N	1 X5 2728	Sturrov Viol		Tubina	_	
	Hole Size	Sturry Wt		Drill Pipe	<i>, 11 °</i>	
Casing Size & Wt.	Cement Left in Casing	Water Gal/SK		Other		an.
Uispiaderilein. <u>که لگت ۸۸ د</u> Remarks: <u>که لگت ۸۸ د</u>	102.	2				
		<i>C. //</i>		×		
	Jesus His	( a a)				
	25 545 AT 60	hale		•		
	Calar 1	North Conten	4% 6	- 2		
	Jeb ceraptore	Thank	100		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
Code Qty or Units	Description of Product or Services	ices		Unit Price		lotal
(-/c3 / -	Mileage			3.95		15.50
1						
C.263 80343	Lelto Pezmin Cam	meat		12.75	162	55.00
C-168 3.44 Tens	Jan Millenge Bulk To	o.ack		ng/c	25	345.00
		-				
	060	$\checkmark$				
		P SS S. C	Q			
			Ŭ,	Sub Total Sales Tax	25	38.50
		D h.	6-75 %		0	- ly
Authorization <u>Contractions by</u>	JUDO GULICK	Title /200/ 105/11/		lotal	<u>у</u>	2

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.