

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division 1138655

Form ACO-1 August 2013 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. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from
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:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name: Original Total Depth: Original Total Depth:	feet depth to: w/ sx cmt. Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #: Dual Completion Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used:
☐ SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. TwpS. R East West 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
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

Page Two



Operator Name:				Lease l	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ing and shut-in pressu	ires, whet	her shut-in pre	ssure reac	hed stati	c level, hydrosta	tic pressures, bott			
Final Radioactivity Log files must be submitte						gs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electr	onic log
Drill Stem Tests Taken (Attach Additional S		Ye	s No				n (Top), Depth an		Sampl	
Samples Sent to Geol	ogical Survey	☐ Ye	s No		Nam	е		Тор	Datum	1
Cores Taken Electric Log Run		☐ Ye								
List All E. Logs Run:										
			CASING	RECORD	Ne	w Used				
		Repo	rt all strings set-c	conductor, su	ırface, inte	ermediate, producti	on, etc.		I	
Purpose of String	Size Hole Drilled		e Casing (In O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Pe Additive	
			ADDITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type	of Cement	# Sacks	Used		Type and P	ercent Additives		
Plug Off Zone										
Did you perform a hydrau Does the volume of the to Was the hydraulic fractur	otal base fluid of the hydra	aulic fractu	ring treatment ex	,	0	? Yes	No (If No, ski	p questions 2 ar p question 3) out Page Three		
Shots Per Foot			D - Bridge Plug Each Interval Perf				cture, Shot, Cement mount and Kind of Ma			epth
TUBING RECORD:	Size:	Set At:		Packer A	••	Liner Run:				
TOBING ALCOAD.	Oize.	Set At.		racker A	ι.	Linei Ruii.	Yes No			
Date of First, Resumed	Production, SWD or ENF	IR.	Producing Meth	nod:	g 🗌	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil B	bls.	Gas	Mcf	Wate	er Bl	ols. G	as-Oil Ratio	Gra	vity
DISPOSITIO	ON OF GAS:		N	METHOD OF	COMPLE	ETION:		PRODUCTION	ON INTERVAL:	
Vented Sold			pen Hole	Perf.	Dually	Comp. Con	nmingled			
(If vented, Sub	omit ACO-18.)		Other (Specify)		(Submit)	400-5) (Subi	mit ACO-4)			

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



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

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

May 09, 2013

John Washburn Range Oil Company, Inc. 9412 E. Central PO BOX 781775 WICHITA, KS 67278-1775

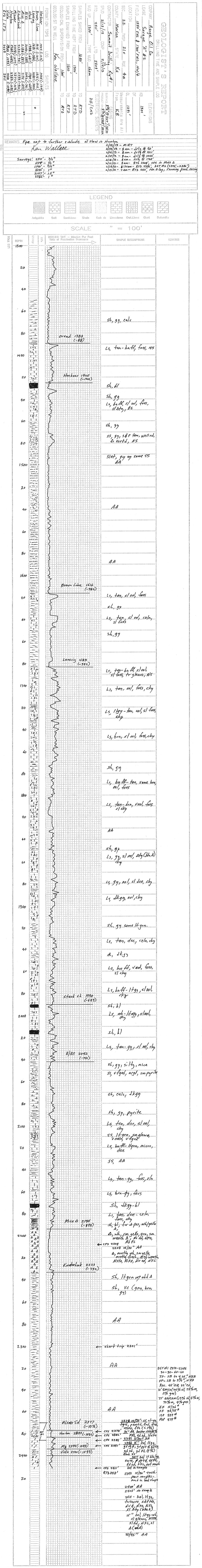
Re: ACO1 API 15-115-21441-00-00 Savage A 2 NW/4 Sec.22-21S-04E Marion County, Kansas

Dear Production Department:

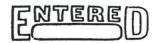
We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, John Washburn







TICKET NUMBER LOCATION Eureka FOREMAN Shannon

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

15-115-21441 CEMENT API # SECTION TOWNSHIP RANGE COUNTY DATE CUSTOMER# WELL NAME & NUMBER 6942 22 215 4 E marion Savage A 2-13-13 CUSTOMER Range Dil Company Inc. Summit TRUCK# DRIVER TRUCK # DRIVER Drlg MAILING ADDRESS 445 Dave 6 N, market Suite 1/20 611 Joey K ZIP CODE STATE Wichita 67202 HOLE DEPTH HOLE SIZE 12/4 CASING SIZE & WEIGHT TUBING -OTHER ' CEMENT LEFT in CASING 20 WATER gal/sk RATE 5 BPM

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	825.00	825.00
5406	40	MILEAGE	4.00	160.00
11045	125 SKS	Class "A" Cement	14.95	1868.75
1102	355 #	Calcium @ 3%	. 74	262.70
1118 B	240 #	60/@ 2%	,2/	20:40
1107	32 #	Florele @ 1/4#/SK	2.35	75. 20
5407	5.875 Tons	Ton mileage bulk Truck	m/c	350.00
4411	/	8 %" wooden Plug	108,00	108.00
4132	2	854" Centralizers	69.00	138.00
			SubTotal	3838.05
		7.8%		195.33
avin 3737		506161	ESTIMATED TOTAL	4033.28
AUTHORIZTION	DAN Cox	TITLE	DATE	

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



N.

STATE



TICKET NUMBER LOCATION EUREKA FOREMAN Shannon

DATE

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

DATE

FIELD TICKET & TREATMENT REPORT

CEMENT AP # 15-115-2144/ RANGE COUNTY SECTION TOWNSHIP WELL NAME & NUMBER CUSTOMER# 4E 215 A #2 marion 22 Savage 2-19-13 CUSTOMER Summit TRUCK# DRIVER company Inc TRUCK# DRIVER Dry John S 520 MAILING ADDRESS Chris B market Ste 1/20 667

KS 67202 CASING SIZE & WEIGHT 5/2" @ 14# 2411' HOLE DEPTH HOLE SIZE 7

2412.68 K.B DRILL PIPE TUBING -CEMENT LEFT in CASING 4.97 WATER gal/sk MIX PSI 1400 Bump Plug RATE 5 BPM

DISPLACEMENT PSI 900 with 5# Kol-Seal Cement

Shannon & Crew

ZIP CODE

	n # 1,3,5,7, Bas	sket Stacked on Top of centralizer #7	Г	
CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	/	PUMP CHARGE	1030.00	1030.00
5406	40	MILEAGE	4.00	160.00
1126A	150 SKS	Thickset cement	19.20	2880.00
1110 A	750#	Ko/-seal @ 5#/5K	.46	345.00
1111 A	/00 #	metasilicate pre flush (15 BH)	2.00	200.00
5407A	9,25 Tons	Ton mileage bulk Truck	1.34	442.20
4/30	4	5/2" centralizers	48.00	192.00
4228B	1	51/3" AFU insert	172.00	172.00
4454	1	51/2" Latch down Phy	254.00	254,00
			Sub Total	5675.2
		7.8%		315.3
avin 3737	1 0/	7/ 006404	ESTIMATED	5990,5

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313 SVGA2DST1

Page 1 of 2 Pages

Company Range Oil Company, Inc.	_Lease & Well No. Sava	age // 140			
Elevation 1291 EGL Formation Hunton	_ Effective Pay		Ft.	Ticket	NoM472
Date2-18-13 _ Sec22 _ Twp21SRange		Marion	State		Cansas
Test Approved By Ken Wallace	iamond Representative_	· ·	Mike (Cochran	
Formation Test No1 Interval Tested from	2,370 ft. to	386 _{ft.} To	otal Depth	n	2,386 _{ft}
Packer Depth2,365 ft. Size6 3/4 in.	Packer Depth_		ft. Size	e	in.
Packer Depthft. Size6 3/4 in.	Packer Depth_		ft. Siz	.e	in.
Depth of Selective Zone Setft.				1	
Top Recorder Depth (Inside) 2,372 ft.	Recorder Numl	ber	0063 C	Сар	6,000 _{psi}
Bottom Recorder Depth (Outside) 2,383 ft.	Recorder Num	ber	6884	Сар	6,275 _{psi}
Below Straddle Recorder Depthft.	Recorder Num	ber		Сар	psi
Drilling Contractor Summit Drilling Company - Rig 1	Drill Collar Length		314 _{ft}	I.D	2 1/4 _{jı}
Mud Type Chemical Viscosity 50	Weight Pipe Length		ft	I.D	in
Weight 9.3 Water Loss 8.0 cc.	Drill Pipe Length		2,034 ft	I.D	3 _{in}
Chlorides 1,500 P.P.M.	Test Tool Length		22 ft	Tool Siz	ze_3 1/2-IF _{ir}
Jars: MakeSterling Serial NumberNot Run	Anchor Length				
Did Well Flow?No Reversed OutNo	Surface Choke Size	1 in	Bottom C	Choke Siz	ze5/8 ir
			Dottoill C		
Blow: 1st Open: Weak surface blow increasing to 4 1/4 ins. No blow back of	Main Hole Size				3 1/2-XH _{ir}
Blow: 1st Open: Weak, surface blow increasing to 4 1/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 3 3/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 3 3/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 3 3/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 3 3/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 4 1/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 4 1/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 4 1/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 4 1/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 4 1/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 3 3/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 3 3/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 4 1/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 4 1/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 4 1/4 ins. No blow back of 2nd Open: Very weak, surface blow increasing to 4 1/4 ins. No blow blow blow blow blow blow blow blo	Main Hole Sizeduring shut-in. pack during shut-in. Gravity: 25.4 @ 60° %-gas; 74%-oil; 24%-mud)	7 7/8 in.	Tool Join	nt Size	3 1/2-XH ir
Recovered 45 ft. of gas in pipe Recovered 32 ft. of clean oil = .157440 bbls. (Grind out: 100%-oil) Recovered 51 ft. of gas & mud cut oil = .152520 bbls. (Grind out: 2 Recovered 77 ft. of gas & water cut oily mud = .378840 bbls. (Grind out: 2 Recovered 140 ft. of TOTAL FLUID = .688800 bbls.	Main Hole Sizeduring shut-in. pack during shut-in. Gravity: 25.4 @ 60° %-gas; 74%-oil; 24%-mud)	7 7/8 in.	Tool Join	nt Size	3 1/2-XH ir
Recovered 45 ft. of gas in pipe Recovered 32 ft. of clean oil = .157440 bbls. (Grind out: 100%-oil) Recovered 31 ft. of gas & mud cut oil = .152520 bbls. (Grind out: 2 Recovered 77 ft. of gas & water cut oily mud = .378840 bbls. (Grind out: 2 Recovered 140 ft. of TOTAL FLUID = .688800 bbls.	Main Hole Sizeduring shut-in. Dack during shut-in. Gravity: 25.4 @ 60° 1%-gas; 74%-oil; 24%-mud) ut: 4%-gas; 19%-oil; 5%-water; 72°	7 7/8 in.	Tool Join	nt Size	3 1/2-XH ir
Recovered 45 ft. of gas in pipe Recovered 32 ft. of clean oil = .157440 bbls. (Grind out: 100%-oil) Recovered 77 ft. of gas & mud cut oil = .152520 bbls. (Grind out: 2 Recovered 140 ft. of TOTAL FLUID = .688800 bbls. Recovered ft. of Remarks Tool Sample Grind Out: 2%-gas; 8%-water; 90%-mu	Main Hole Size	7 7/8 in.	Tool Join	Ppm PH: 7	3 1/2-XH ir
Recovered 45 ft. of gas in pipe Recovered 32 ft. of clean oil = .157440 bbls. (Grind out: 100%-oil) Recovered 31 ft. of gas & mud cut oil = .152520 bbls. (Grind out: 2 Recovered 140 ft. of TOTAL FLUID = .688800 bbls. Recovered ft. of Remarks Tool Sample Grind Out: 2%-gas; 8%-water; 90%-mu	Main Hole Sizeduring shut-in. Dack during shut-in. Gravity: 25.4 @ 60° 2%-gas; 74%-oil; 24%-mud) at: 4%-gas; 19%-oil; 5%-water; 72° d w/ a thick scum of oil m6:00 A.M	7 7/8 in.	Tool Join	Ppm PH: 7	3 1/2-XH ir
Recovered 45 ft. of gas in pipe Recovered 32 ft. of clean oil = .157440 bbls. (Grind out: 100%-oil) Recovered 77 ft. of gas & mud cut oil = .152520 bbls. (Grind out: 2 Recovered 140 ft. of TOTAL FLUID = .688800 bbls. Recovered ft. of Company of Total Sample Grind Out: 2%-gas; 8%-water; 90%-mu	Main Hole Size	7 7/8 in. %-mud) Chlo	rides: 5,000	Ppm PH: 7	3 1/2-XH ir
Recovered 45 ft. of gas in pipe Recovered 32 ft. of clean oil = .157440 bbls. (Grind out: 100%-oil) Recovered 31 ft. of gas & mud cut oil = .152520 bbls. (Grind out: 2 Recovered 140 ft. of TOTAL FLUID = .688800 bbls. Recovered ft. of Remarks Tool Sample Grind Out: 2%-gas; 8%-water; 90%-mu Time Set Packer(s) 3:00 A.M. Time Started off Botto Initial Hydrostatic Pressure	Main Hole Size	7 7/8 in. %-mud) Chlo	rides: 5,000	Ppm PH: 7	3 1/2-XH ir
Recovered 45 ft. of gas in pipe Recovered 32 ft. of clean oil = .157440 bbls. (Grind out: 100%-oil) Recovered 31 ft. of gas & mud cut oil = .152520 bbls. (Grind out: 2 Recovered 140 ft. of TOTAL FLUID = .688800 bbls. Recovered ft. of Remarks Tool Sample Grind Out: 2%-gas; 8%-water; 90%-mu Time Set Packer(s) 3:00 A.M. Time Started off Botto Initial Hydrostatic Pressure (A) Initial Flow Period (B)	Main Hole Size	7 7/8 in. %-mud) Chlo Maximum to (C)	rides: 5,000	Ppm PH: 7	3 1/2-XH ir
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