

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1258331
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- 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:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. 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: _____

1258331



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **2315**
 Foreman Sue Mead
 Camp Eureka KS

15-017-20922

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-8-15	1034	Jacobson #1	31	19S	6E	Chase	KS
Customer			Safety Meeting	Unit #	Driver	Unit #	Driver
Range Oil Company Inc				104	Alan M		
Mailing Address				110	Chris B		
City							
State							
Zip Code							
Wichita							
KS							
67275							

Job Type <u>Surface</u>	Hole Depth <u>213</u>	Slurry Vol. _____	Tubing _____
Casing Depth <u>202.61</u>	Hole Size <u>12 1/4</u>	Slurry Wt. _____	Drill Pipe _____
Casing Size & Wt. <u>8 3/8</u>	Cement Left in Casing <u>30</u>	Water Gal/SK _____	Other _____
Displacement <u>12 1/4</u>	Displacement PSI _____	Bump Plug to _____	BPM _____

Remarks: Safety Meeting: Rig up to 8 3/8 casing Break circulation w/ Fresh water. Mix 140 SKS class A cement w/ 3% CaCl2 1/2" Flo-seal perisk Displace w/ 12 1/4 bbl fresh water. Shut well in. Good cement Returns to surface 7 bbl to pit. Job complete Rig down.

Thank you

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	840.00	840.00
C107	50	Mileage	3.95	197.50
C200	140 SKS	Class A Cement	15.00	2100.00
C205	395 #	3% CaCl2	.60	237.00
C209	35 #	1/2" # Flo Seal	2.25	78.75
C108A	6.58 hr	Ten mileage Bulkr Truck	m/c	345.00
C600	1	8 3/8 basket	308.00	308.00
C506	2	8 3/8 Centralizer	65.00	130.00
			Sub Total	41236.25
			Sales Tax 7.15%	294.04
Authorization <u>Collan</u> Title _____			Total	4440.29

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.

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



OPY

Cement or Acid Field Report
 Ticket No. **2280**
 Foreman Rick Leaford
 Camp Eureka KS

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-12-15	1034	Jacobson #1	31	19S	6E	Chase	KS
Customer: <u>Range Oil Company Inc.</u>			Unit #	Driver	Unit #	Driver	
Mailing Address: <u>P.O. Box 781775</u>			105	Sharon F.			
City: <u>Wichita</u> State: <u>Ks</u> Zip Code: <u>67278</u>			112	Kevin M.			
			141	Chris B.			

Job Type <u>L/S</u>	Hole Depth <u>2310'</u>	Slurry Vol. <u>60 Bbl</u>	Tubing
Casing Depth <u>2308</u>	Hole Size <u>7 7/8"</u>	Slurry Wt. <u>13.7#</u>	Drill Pipe
Casing Size & Wt. <u>5 1/2" 14#</u>	Cement Left in Casing <u>8.4# 55</u>	Water Gal/SK <u>9.0</u>	Other
Displacement <u>57 1/4 Bbls</u>	Displacement PSI <u>650</u>	Bump Plug to <u>1150</u>	BPM

Remarks: Safety meeting - Rig up to 5 1/2" casing. Break circulation w/ 5 Bbl fresh water. Pump 2 sks metasilicate pre-flush - 10 Bbl water spacer. Mixed 185 sks thickset cement w/ 5# Kal-seal /sk @ 13.7# /gal yield 1.85 washout pump + lines, release 5 1/2" latch down plug. Displace w/ 57 1/4 Bbls water. Final pump pressure 650 PSI. Bump plug to 1150 PSI. release pressure, float + plug hold. Good circulation @ all times while cementing. Job complete. Rig down.

Plugged wellhole w/ 15 sks cement
centralizers on jets 1, 3, 5, 7

Thank you

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1050.00	1050.00
C107	50	Mileage	3.95	197.50
C201	185 sks	thickset cement	19.50	3607.50
C207	925 #	5# Kal-seal /sk	.45	416.25
C216	100 #	metasilicate pre-flush	2.00	200.00
C108B	10.17	tan mileage bulk truck	1.35	686.48
C113	6 hrs	80 Bbl UAC. tax	85.00	510.00
C224	3300 gal	city water	10.00 / 1000	33.00
C421	1	5 1/2" latch down plug	230.00	230.00
C504	4	5 1/2" x 7 7/8" centralizers	48.00	192.00
C703	1	5 1/2" API flopper valve insert	145.00	145.00
			Subtotal	7267.73
			7.15% Sales Tax	344.90
Authorization <u>Doug Reed</u> Title _____			Total	7612.63

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GEOLOGIST'S REPORT

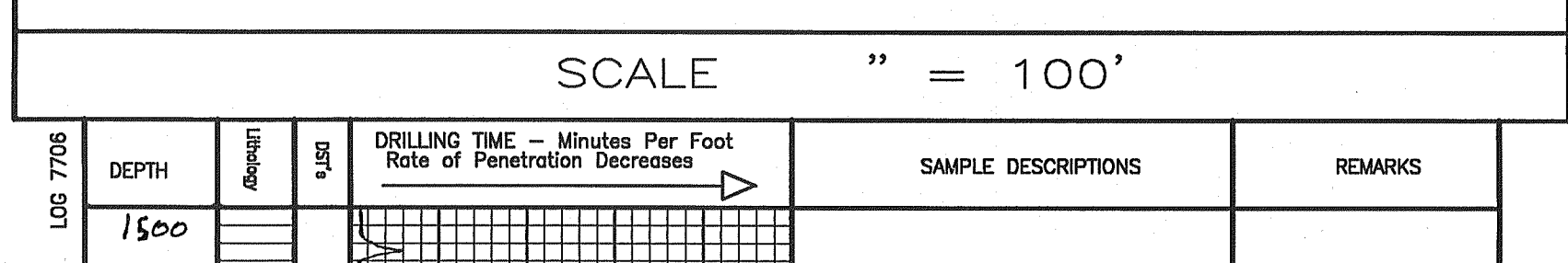
DRILLING TIME AND SAMPLE LOG

COMPANY: Range Oil Co., Inc.	ELEVATIONS: KB 1458'
LEASE: Jacobson #1	DF: 1452'
FIELD: 280' FUL + 1570' FUL	MEASUREMENTS ARE ALL FROM KB
LOCATION: 280' FUL + 1570' FUL	SEC: 31 T19S R06E 6E
SEC: 31 T19S R06E 6E	COUNTY: KS
CONTRACTOR: G & G Drilling Co. Rig #1	STATE: KS
RID: 2310	TYPE MUD: CHEM
MUD UP: 1570'	PRODUCTION: 2306' @ 2306'
SAMPLES SAVED FROM: 1570 TO RTD	ELECTRICAL SURVEYS: AS, D, M, L
DRILLING TIME KEPT FROM: 1500 TO RTD	
SAMPLES EXAMINED FROM: 1570 TO RTD	
GEOLOGICAL SUPERVISION FROM: 1600 TO RTD	
GEOLOGIST ON WELL: Ken Wallace	

FORMATION TOPS	LOG	SAMPLES
Bl/KC	1592 (-187)	1591 (-186)
Cherokee	1933 (-472)	1930 (-472)
Conq. Sd	2096 (-633)	2096 (-633)
Viola	2116 (-658)	2116 (-658)
Smp Sd	2116 (-708)	2116 (-708)
ML Smp Sd	2240 (-803)	2240 (-803)
ML Smp Sd	2300 (-843)	2300 (-843)
RTD	2310 (-853)	2310 (-853)

REMARKS: Production casing set to further evaluate Viola. 6/2/15 MTR 10 am - Spud 6/8/15 8 am - Drig @ 971'; set 2.10' surface casing 1/4" @ 559' 7" 6/10/15 9 am - Drig @ 1899' 1/4" @ 1055' + 1570' 6/11/15 8:30 am - PTD 2180', Running DST #1 2169-2180; 1/2" @ 2048' 6/12/15 8 am - Drig @ 2157', Ran DST #2 2172-2190 5/8" 5.5" casing @ 2306'; PD @ 8:29 pm

Ken Wallace



SCALE " = 100'

