

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1252225
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: _____

1252225

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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



COPY

Cement or Acid Field Report
 Ticket No. 2213
 Foreman Steve Mead
 Camp Eureka KS

15-917-30921

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
4-13-15	1034	Madden A Unit # 2	31	19S	6E	Chase	Ks
Customer			Safety Meeting	Unit #	Driver	Unit #	Driver
Range Oil Company Inc				105	Dave G.		
Mailing Address				112	Shannon F.		
P.O. Box 781775							
City	State	Zip Code					
Wichita	Ks	67278					

Job Type <u>Surface</u>	Hole Depth <u>211'</u>	Slurry Vol. _____	Tubing _____
Casing Depth <u>210'</u>	Hole Size <u>12 1/4</u>	Slurry Wt. _____	Drill Pipe _____
Casing Size & Wt. <u>8 5/8 x 23'</u>	Cement Left in Casing <u>15'</u>	Water Gal/SK _____	Other _____
Displacement <u>12 1/2</u>	Displacement PSI _____	Bump Plug to _____	BPM _____

Remarks: Safety Meeting Rig up To 8 5/8 Casing. Break Circulation w/ Fresh Water. Pump 5 bbls ahead. Mix 160 SKs Class A Cement w/ 3% CaCl2, 1/4" FLO-seal per SK. Shutdown. Release Plug. Displace w/ 12 1/2 bbls Fresh water. Shut well in. Good cement Returns To surface 10 bbls Top of. 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
C300	160 SKs	Class A Cement	15.00	2400.00
C203	450 #	CaCl2 3%	.60	270.00
C209	50 #	FLO-seal 1/4"	2.33	116.50
C108	7.52	Ton mileage bulk truck	1.35	507.60
C213	1	8 5/8 wooden plug	80.00	80.00
C506	2	8 5/8 Centralizer	65.00	130.00
			Subtotal	41537.60
			Sales Tax	213.96
Authorization <u>[Signature]</u> Title _____			Total	4751.56

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



Cement or Acid Field Report
 Ticket No. **2250**
 Foreman Shannon Feek
 Camp Eureka, KS

API # 15-017-20921

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
4-17-15	1034	Madden A unit #2	31	195	6E	Chase	KS
Customer	Mailing Address	City	State	Zip Code	Safety Meeting	Unit #	Driver
Range Oil Company Inc	P.O. Box 781775	Wichita	KS	67278	SF Am Sm CB	104 112 145	Alan m Steve m Chris B

Job Type 4/5 Hole Depth 2279 K.B. Slurry Vol. 56 Bbl Tubing ---
 Casing Depth 2278 K.B. Hole Size 7 7/8 Slurry Wt. 13.7 # Drill Pipe ---
 Casing Size & Wt. 5 1/2" @ 14 # Cement Left in Casing 8.3 Water Gal/SK 9.0 Other ---
 Displacement 55 3/4 Bbl Displacement PSI 750 Bump Plug to 1150 BPM Displace @ 5 BPM

Remarks: Safety meeting, Rig up to 5 1/2" casing. Break circulation w/ 5 Bbl H2O mixed metasilicate pre flush w/ 10 Bbl H2O, 10 Bbl H2O spacer. Mixed 175 SKS Thickset cement w/ 5 # kd-seal/sk @ 13.7 #/gal. Shut down wash out pump & lines & displace w/ 55 3/4 Bbl H2O. Final pumping pressure of 750 PSI, bumped plug @ 1150. Plug & float held. Good circulation @ all times. rig down job complete. //

Thank you
Shannon & crew

Centralizer on shoe j+, #2, 4, 6, 14, 16. Shannon
basket on #7

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	175 SKS	Thickset Cement	19.50	3412.50
C207	875 #	Kd-seal @ 5 #/sk	.45	393.75
C108B	9.62 Ton	Ton mileage blk Trk	1.35	649.35
C216	100 #	metasilicate pre flush	2.00	200.00
C113	5 Hrs	80 Bbl Vac Trk	85.00	425.00
C224	3000 gal	city H2O	10.00/1000	30.00
C504	6	5 1/2" x 7 7/8 Centralizers	48.00	288.00
C604	1	5 1/2" cement Basket	225.00	225.00
C703	1	5 1/2" AFU Flapper Valve insert	145.00	145.00
C421	1	5 1/2" Latch down plug	230.00	230.00
			Sub Total	7246.10
			1.15% Sales Tax	352.08
			Total	7598.18

Authorization Gary Reed Title X

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GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: <u>Range Oil Co., Inc.</u> LEASE: <u>Madden A, Unit #2</u> FIELD: <u>250' Full + 270' Full</u> LOCATION: <u>31 TWP 19S R6E 6E</u> SEC: <u>4-13-15</u> STATE: <u>KS</u> COUNTY: <u>Cherokee</u> CONTRACTOR: <u>C & G Drilling Co., Rig #1</u> SPUD: <u>4-13-15</u> COMP: <u>4-7-15</u> RID: <u>2280'</u> LTD: <u>2278'</u> MUD UP: <u>1500'</u> TYPE MUD: <u>Clay</u>	ELEVATIONS: KB: <u>1450'</u> DF: <u>1453'</u> GL: <u>1453'</u> Measurements are all from KB SURFACE: <u>2280' (2278' L)</u> PRODUCTION: <u>2278' (2278' L)</u> ELECTRICAL SURVEYS: <u>500' Micro</u>
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SAMPLES SAVED FROM: <u>1580</u> TO: <u>72</u> DRILLING TIME KEPT FROM: <u>1520</u> TO: <u>72</u> SAMPLES EXAMINED FROM: <u>1580</u> TO: <u>72</u> GEOLOGICAL SUPERVISION FROM: <u>1580</u> TO: <u>72</u> GEOLOGIST ON WELL: <u>Ken Wallace</u>	FORMATION TOPS: _____ LOG: _____ SAMPLES: _____
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REMARKS: Production casing was set to further evaluate Viola.
Ken Wallace

4-11-15 MIST
 4-12-15 10am started drilling surface hole; 529'-1/4"
 4-13-15 7am - drilling @ 1150', set surface casing at 205'
 4-15-15 9:40am - drilling of 1949'; 1/2" @ 1149 ± 1490'
 4-16-15 8am - PTD 2179'; Ken DST #1
 4-17-15 10:30am - RTD 2280'; Ken e-logs & DST #2 set 5 1/2" csg @ 2278'. PD @ 10:21 am.

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool. Lime	Chert	Dolomite

SCALE " = 100'

