1102879

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5120
Name: Range Oil Company, Inc.
Address 1: 125 N MARKET ST STE 1120
Address 2:
City: WICHITA State: KS Zip: 67202 + 1711
Contact Person: John Washburn
Phone: (316) 265-6231
CONTRACTOR: License # 30141
Name: Summit Drilling Company
Wellsite Geologist: Roger Martin
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

07/18/2012	07/26/2012	07/26/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-035-24478-00-00
Spot Description:
__ - W2 - SW - SE Sec. 26 Twp. 34 S. R. 6 [x] East [ ] West
660 Feet from [ ] North / [x] South Line of Section
2310 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Cowley
Lease Name: WETZEL Well #: 1
Field Name: wildcat
Producing Formation: none
Elevation: Ground: 1361 Kelly Bushing: 1371
Total Depth: 3040 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 316 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 1300 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated

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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [ ] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] **I** [ ] **II** [ ] **III** **Approved by:** Deanna Garrison **Date:** 11/29/2012

Side Two

1102879

Operator Name: Range Oil Company, Inc. Lease Name: WETZEL Well #: 1

Sec. 26 Twp. 34 S. R. 6 ☑ East ☐ West County: Cowley

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Stalnaker	1681	-310
Layton	2205	-834
Altamont	2619	-1248
Pawnee	2694	-1323
Mississippian	3017	-1646
RTD	3040	-1669

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	316	common	180	3% CaCl

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

ROGER L. MARTIN

MIDCONTINENT PETROLEUM CONSULTANT - P.O. BOX 4379

GEOLOGIST'S REPORT

CYCLE TIME - GAS AND SAMPLE LOG

COMPANY	RANGE OIL COMPANY, INC.	ELEVATIONS:	
LEASE	MYERS #1	KB 3227	DF ____ GL 3217
FIELD	LANE	Measurements: All KB	
LOCATION	330' FSL & 2475' FEL	Log:	
SECTION 19	TOWNSHIP 19S	RANGE 30W	API NO. 15-101-21670-0000
COUNTY	LANE	STATE KANSAS	

CONTRACTOR: SUMMIT DRILLING

SPUD: 05/23/2012 COMP: 05/29/2012

R.D. 1014 TOTAL DEPTH: 4520

Ph. Sales Tech. II: JUSTIN M. SUMMITT

DEVIATION TESTS	DEG.	DISPLACT.
300' Deviation	1	5.24
1000' Deviation	1	20.94
1500' Deviation	1	26.18
2000' Deviation	1	26.18
2500' Deviation	1	26.18
3000' Deviation	1	26.18
3500' Deviation	1	26.18
4000' Deviation	1	26.18
4500' Deviation	1	26.18
4520' Deviation	1	26.18
Total Displacement		261.80
Total Displacement		0.15 Miles
Total Displacement		0.24 Kilometers

CASING	
Surface	8 5/8" @ 225'
Production	4 1/2" @ 4520'

CONTACTS
Anhydrite 1	1
Anhydrite 2	2
Anhydrite 3	3
Base Anhydrite	4
Topeka	5
Heebner	6
Toronto	7
Lansing	8
Base Kansas City	9
Marmaton	10
Pawnee	11
Fort Scott	12
Cherokee Shale	13
Mississippian	14
Total Depth	15

CURVES
Drilling Time
Gas Units
Lithology
Sample Shows
Penetration Rate
Mud Weight
Mud Viscosity
Mud Chlorides
Drill Stem Tests
Formation Pressures
Formation Resistivity
Formation Porosity
Hydrocarbon Shows

REMARKS:

Drilling time and samples were taken from 3500' to TD.
Gas detection equipment was used from 3500' to TD.
Samples were saved and examined from 3500' to TD.
Respectfully submitted,
Roger L. Martin
Midcontinent Petroleum Consultant

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

Company: Range Oil Company, Inc. Lease & Well No.: Wetzel No. 1
Elevation: 1371 KB Formation: Altamont/Pawnee Effective Pay: -- Ft. Ticket No.: 2869
Date: 7-24-12 Sec.: 26 Twp.: 34S Range: 6E County: Cowley State: Kansas
Test Approved By: Roger L. Martin Diamond Representative: Roger D. Friedly

Formation Test No.: 1 Interval Tested from: 2,625 ft. to: 2,709 ft. Total Depth: 2,709 ft
Packer Depth: 2,620 ft. Size: 6 3/4 in. Packer Depth: -- ft. Size: -- in.
Packer Depth: 2,625 ft. Size: 6 3/4 in. Packer Depth: -- ft. Size: -- in.
Depth of Selective Zone Set: ft.

Top Recorder Depth (Inside): 2,693 ft. Recorder Number: 0062 Cap.: 5,000 psi.
Bottom Recorder Depth (Outside): 2,706 ft. Recorder Number: 11033 Cap.: 5,150 psi.
Below Straddle Recorder Depth: ft. Recorder Number: Cap.: psi.

Drilling Contractor: Summit Drilling Company - Rig 1 Drill Collar Length: 251 ft I.D.: 2 1/4 in.
Mud Type: Chemical Viscosity: 53 Weight Pipe Length: -- ft I.D.: -- in.
Weight: 9.2 Water Loss: 7.6 cc. Drill Pipe Length: 2,347 ft I.D.: 3 in.
Chlorides: 900 P.P.M. Test Tool Length: 27 ft Tool Size: 3 1/2-IF in.
Jars: Make: Sterling Serial Number: 5 Anchor Length: 21' perf w/ 63' drill pipe Size: 4 1/2-FH in.
Did Well Flow?: No Reversed Out: No Surface Choke Size: 1 in. Bottom Choke Size: 5/8 in.
Main Hole Size: 7 7/8 in. Tool Joint Size: 3 1/2-XH in.

Blow: 1st Open: Weak, 1/4 in. blow increasing to 7 ins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to 6 1/2 ins. No blow back during shut-in.

Recovered 135 ft. of gas in pipe
Recovered 46 ft. of slightly oil cut mud = .226320 bbls. (Grind out: 1%-oil; 99%-mud)
Recovered 62 ft. of gas & oil cut watery mud = .305040 bbls. (Grind out: 2%-gas; 2%-oil; 39%-water; 57%-mud) Chlorides: 23,500 Ppm PH: 7.0 RW: .19 @ 98°
Recovered 108 ft. of TOTAL FLUID = .531360 bbls.
Recovered ft. of
Recovered ft. of
Remarks: Tool Sample Grind Out: 2%-gas; 4%-oil; 44%-water; 50%-mud

Time Set Packer(s): 2:17 P.M. Time Started off Bottom: 5:17 P.M. Maximum Temperature: 112°

Initial Hydrostatic Pressure		(A) 1300 P.S.I.		
Initial Flow Period	Minutes 30	(B) 56 P.S.I.	to (C) 71 P.S.I.	
Initial Closed In Period	Minutes 30	(D) 562 P.S.I.		
Final Flow Period	Minutes 60	(E) 79 P.S.I	to (F) 100 P.S.I.	
Final Closed In Period	Minutes 60	(G) 700 P.S.I.		
Final Hydrostatic Pressure		(H) 1300 P.S.I.		

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

Company Range Oil Company, Inc. Lease & Well No. Wetzel No. 1

Elevation 1371 KB Formation Mississippi Effective Pay -- Ft. Ticket No. 2870

Date 7-25-12 Sec. 26 Twp. 34S Range 6E County Cowley State Kansas

Test Approved By Roger L. Martin Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 3,022 ft. to 3,040 ft. Total Depth 3,040 ft

Packer Depth 3,017 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,022 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,024 ft. Recorder Number 0062 Cap. 5,000 psi.

Bottom Recorder Depth (Outside) 3,037 ft. Recorder Number 11033 Cap. 5,150 psi.

Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 314 ft I.D. 2 1/4 in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft I.D. -- in.

Weight 9.4+ Water Loss 7.4 cc. Drill Pipe Length 2,681 ft I.D. 3 in.

Chlorides 1,100 P.P.M. Test Tool Length 27 ft Tool Size 3 1/2-IF in.

Jars: Make Sterling Serial Number 5 Anchor Length 18 ft. Size 4 1/2-FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2-XH in.

Blow: 1st Open: Weak, 1/8 in. blow. Died in 6 mins. No blow back during shut-in.

2nd Open: No blow. Flushed tool. Received a surge. No blow. No blow back during shut-in.

Recovered 5 ft. of drilling mud w/ a scum of oil = .024600 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 100%-drilling mud with a scum of oil

Tool had plugging action throughout.

Time Set Packer(s) 10:48 P.M. Time Started off Bottom 12:48 A.M. Maximum Temperature 119°

Initial Hydrostatic Pressure.....(A) 1501 P.S.I.

Initial Flow Period.....Minutes 30 (B) 19 P.S.I. Plugging to (C) 379 P.S.I.

Initial Closed In Period.....Minutes 30 (D) 872 P.S.I.

Final Flow Period.....Minutes 30 (E) 55 P.S.I Plugging to (F) 28 P.S.I.

Final Closed In Period.....Minutes 30 (G) 552 P.S.I.

Final Hydrostatic Pressure.....(H) 1502 P.S.I.

CONSOLIDATED
Oil Well Services, LLC

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

ENTERED

COPY

TICKET NUMBER 34892
LOCATION Eureka, KS
FOREMAN Shannon Feck

FIELD TICKET & TREATMENT REPORT
CEMENT API # 15-035-24478

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-19-12	6942	Wetzel #1	26	34S	6E	Cowley

CUSTOMER: Range Oil Company Inc
MAILING ADDRESS: 125 N market Ste 1120
CITY: Wichita | STATE: KS | ZIP CODE: 67202

Summit DRLG

TRUCK #	DRIVER	TRUCK #	DRIVER
485	Alan M.		
667	Chris b		

JOB TYPE Surface 0 | HOLE SIZE 12¼" | HOLE DEPTH 321' | CASING SIZE & WEIGHT 8⅝"
CASING DEPTH 304' | DRILL PIPE — | TUBING | OTHER
SLURRY WEIGHT 14.5-15# | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 20'
DISPLACEMENT 19 Bbl | DISPLACEMENT PSI 100 | MIX PSI 100 | RATE 5 BPM

REMARKS: Safety Meeting, Rig up to 8⅝" Casing, Break circulation w/10 Bbl water, Mixed 180 sks Class "A" Cement with 3% calcium, 2% gel & ¼# Flo-cele/sk @ 14.5-15#/gal. Shut down, release plug & displace w/19 Bbl water & Shut casing in. Good circulation @ all times, 12-15 Bbl slurry to pit, Job Complete.

"Thanks Shannon & Crew"

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	825.00	825.00
5406	50	MILEAGE	4.00	200.00
1104S	180 sks	Class "A" cement	14.95	2691.00
1102	510 #	Calcium @ 3%	.74	377.40
1118B	340 #	Gel @ 2%	.21	71.40
1107	50#	Flo-cele @ ¼#/sk	2.35	117.50
5407A	8.46 Tons	Ton mileage bulk Truck	1.34	566.82
4132	2	8⅝" centralizers	69.00	138.00
4432	1	8⅝" wooden plug	80.00	80.00
			Sub Total	5067.12
		6.8%	SALES TAX	236.32
			ESTIMATED TOTAL	5303.44

RECEIVED
JUL 27 2012

Ravin 3737

851447

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.

CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 34893
LOCATION Eureka, KS
FOREMAN Shannon Felk

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

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-035-24478

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-26-12	6942	Wetzel #1	26	34S	6E	Cowley

CUSTOMER: Range Oil Company Inc

MAILING ADDRESS: 125 N market Ste 1120

CITY: Wichita | STATE: KS | ZIP CODE: 67202

Summit DRLG

TRUCK #	DRIVER	TRUCK #	DRIVER
485	Alan M		
479	Jim M		

JOB TYPE: P.T.A 0 | HOLE SIZE: 7 7/8" | HOLE DEPTH: 3040' | CASING SIZE & WEIGHT:
CASING DEPTH: | DRILL PIPE: 4" | TUBING: | OTHER:
SLURRY WEIGHT: | SLURRY VOL: | WATER gal/sk: | CEMENT LEFT in CASING:
DISPLACEMENT: | DISPLACEMENT PSI: | MIX PSI: | RATE:

REMARKS: SAFETY MEETING, Rig up to 4" drill pipe & set following plugs

35 SKS @ 366'
25 SKS @ 60' to Surface, Keep hole full, Job Complete

Thanks Shannon & crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1030.00	1030.00
5406	50	MILEAGE	4.00	200.00
1131	60 SKS	60/40 Pozmix Cement	12.55	753.00
1118B	210 #	Gel @ 4%	.21	44.10
5407	2.58 Tons	Ton mileage bulk Truck	M/C	350.00
			Sub Total	2377.10
		6.8%	SALES TAX	54.20
			ESTIMATED TOTAL	2431.30

RECEIVED
JUL 30 2012

Ravin 3737

251593

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