



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



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

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

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 <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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ 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 <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
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 37871
LOCATION Eureka, KS
FOREMAN Shannon Feck

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

FIELD TICKET & TREATMENT REPORT
CEMENT API # 15-169-20341

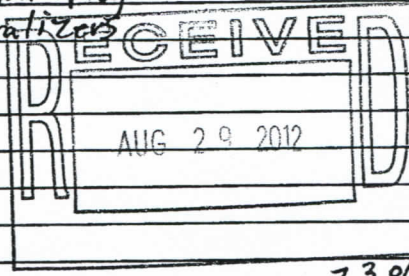
DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-22-12	6942	Ross-Henry #1	15	15S	2W	Saline
CUSTOMER Range Oil Company Inc.			Summit Drlg			
MAILING ADDRESS 125 N Market Suite 1120			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Wichita			520	John S		
STATE KS			611	Joey K		
ZIP CODE 67202						

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 321' CASING SIZE & WEIGHT 8 3/8 @ 23#
 CASING DEPTH 304.09 G.L DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.5-15# SLURRY VOL 51 Bbl WATER gal/sk 6.5 CEMENT LEFT IN CASING 20'
 DISPLACEMENT 19 Bbl DISPLACEMENT PSI _____ MIX PSI 100 RATE 5 BPM

REMARKS: Safety Meeting, Rig up to 8 3/8 Casing with head & manifold, Have drilling rig load hole & break circulation. Hook back up with pump truck, Pump 1 Bbl go straight to cement, mixed 200 SKS Class "A" cement with 3% calcium 2% gel & 1/2 # Flo-cel/sk @ 14.5-15#/gal. Release wooden plug & displace with 19 Bbl water, + shut well in. Good circulation @ all times 12 Bbl slurry to Pit Job complete.

Thanks Shannon & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	825.00	825.00
5406	100	MILEAGE	4.00	400.00
1104S	200 SKS	Class "A" Cement	14.95	2990.00
1102	565 #	Calcium @ 3%	.74	418.10
1118B	380 #	Gel @ 2%	.21	79.80
1107	100 #	Flo-cel @ 1/2#/sk	2.35	235.00
5407A	9.4 Tons	Ton mileage bulk Truck	1.34	1259.60
4432	1	8 3/8" Wooden Plug	80.00	80.00
4132	2	8 3/8" Centralizers	69.00	138.00
			Sub Total	6425.50
			SALES TAX 7.3%	287.69
			ESTIMATED TOTAL	6713.19

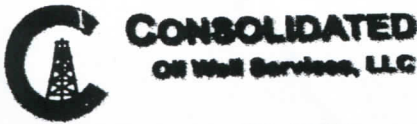


250300

Ravin 3737

AUTHORIZATION 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.



ENTERED

TICKET NUMBER 37873
 LOCATION Eureka, KS
 FOREMAN Shannon Feck

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

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-169-20341

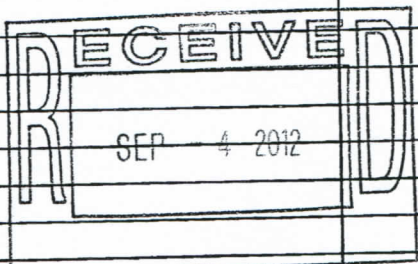
KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-28-12	6942	Ross Henry #1	15	155	2W	Saline
CUSTOMER Range Oil Company Inc			Summit DRLG			
MAILING ADDRESS 125 N. Market Suite 1120			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Wichita			445	Dave G		
STATE KS			515	Calin H		
ZIP CODE 67202						

JOB TYPE P.T.A. 0 HOLE SIZE 12 1/4 sp 7 1/8 o.h. HOLE DEPTH 2836' CASING SIZE & WEIGHT 8 5/8" Surface Casing
 CASING DEPTH _____ DRILL PIPE 4" .01084 TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk 7.0 CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____
 REMARKS: Safety Meeting, rig up to 4" drill pipe & set following plugs

#1 35 SKS @ 370'
 #2 25 SKS @ 60' to surface, hole stayed full
 Job complete.
 Thanks Shannon & Crew"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1030.00	1030.00
5406	100	MILEAGE	4.00	400.00
1131	60 SKS	60/40 Pozmix Cement	12.55	753.00
1118 B	210 #	Gel @ 4%	.21	44.10
5407	2.58 Tons	Ton Mileage bulk Truck	M/C	350.00
			Sub Total	2577.10
			7.3% SALES TAX	58.19
			ESTIMATED TOTAL	2635.29



252459

AUTHORIZATION Dan Co 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

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Range Oil Company, Inc.

LEASE #1 Ross-Henry

FIELD Bachofer

LOCATION 2500' ESL & 2000' FEL, SEK

SEC 15 TWSP 15 S RGE 2 W

COUNTY Saline STATE _____

CONTRACTOR Summit Drilling Co, Rig #1

SPUD 8/22/12 COMP 8/28/12

RTD 2836' LTD No Log

MUD UP 1400' TYPE MUD Chemical

SAMPLES SAVED FROM 20' samples to 1980'
10' samples 1980 to RTD

DRILLING TIME KEPT FROM 1900'

SAMPLES EXAMINED FROM 1900'

GEOLOGICAL SUPERVISION FROM 1900'

GEOLOGIST ON WELL Ken Wallace

ELEVATIONS

KB 1384'

DF _____

GL 1374'

Measurements Are All From K.B.

CASING SURFACE 8 5/8" @

PRODUCTION None

ELECTRICAL SURVEYS None

FORMATION TOPS LOG SAMPLES

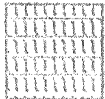

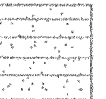

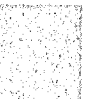


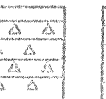
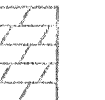
FORMATION TOPS	LOG SAMPLES
<u>Heebner</u>	<u>1990 (-606)</u>
<u>Toronto</u>	<u>2011 (-627)</u>
<u>Lansing</u>	<u>2193 (-809)</u>
<u>Kansas City</u>	<u>2352 (-968)</u>
<u>Stark Sh</u>	<u>2448 (-1064)</u>
<u>Cherokee Sh</u>	<u>2695 (-1311)</u>
<u>Burgess Sd</u>	<u>2818 (-1434)</u>
<u>Miss Ls</u>	<u>2824 (-1440)</u>

REMARKS

Tested non-commercial in Mississippian - plugged & abandoned

Ken Wallace, P.G.

LEGEND

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

SCALE " = 100'

DRILLING TIME - Minutes Per Foot
Rate of Penetration Decreases

SAMPLE DESCRIPTIONS

REMARKS

DEPTH
DST
LITHO

1900'

20

40

60

80

2000'

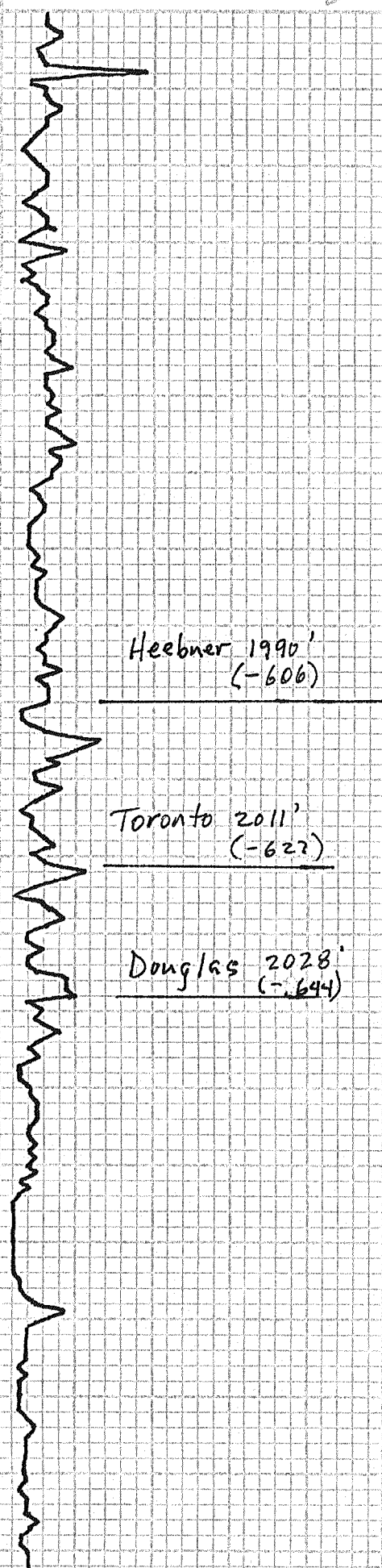
20

40

60

80

2100'



Heebner 1990'
(-606)

Ls, wh-ltgy, sm tan, gran-
cky, sl ool, sl dty, NS

sh, black
Ls, tan, dse, NS

Toronto 2011'
(-622)

sh, gy

Ls, wh, sl ool, foss, dse-
cky, NS

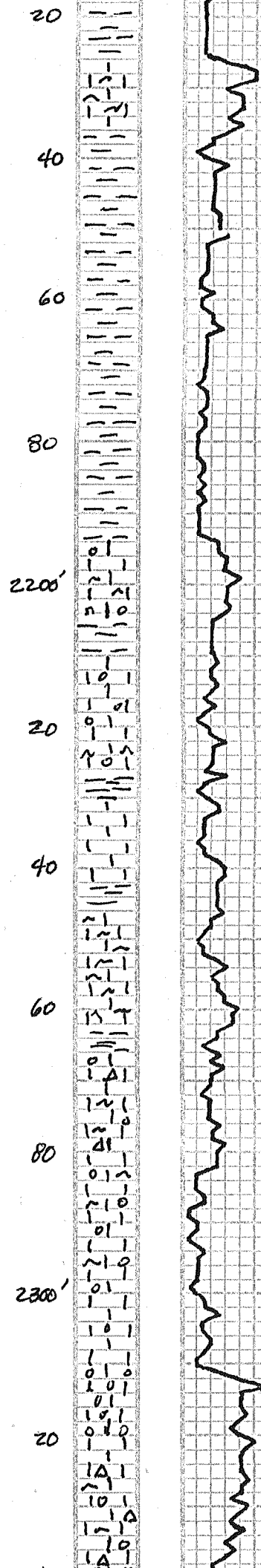
Douglas 2028'
(-644)

sh, wxy grn, sm gy, sl micac

ss, gy, vy fn grd, well
sort, fr interg ϕ , NS
sm pyrite

sh, gy, sl micac

AA, sm pyrite



Br. Lm 2126'
(-742)

Ls, brwn, cs xln, foss
NS

sh, gy, red, sm pyrite

Adj clock

A.A.

Lansing 2193'
(-809)

Ls, buff sl foss, ool,
med xln-cky, NS

sh gy, sm red

Ls, gy, ool, granul, cr
xlyn, NS

AA, foss, sm motlg

sh, dk gy

Ls, tan, ool, foss, pyrite
inclusions, NS

Ls, ltgy - med gy, foss
NS

sh, gy, sm red

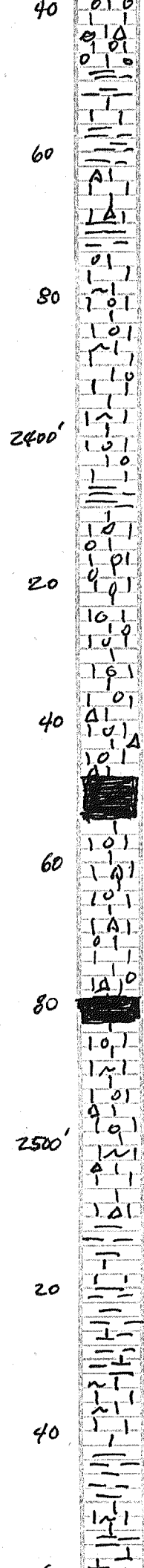
Ls, tan, sl ool, foss, fxln-
dense, sl Δty

Ls, med gy, ool, fxln,
foss, pyrite inclus, NS

Ls, gy - brwn, ool, p sort
ool, foss, NS

Ls, wh - ltgy, ool, foss,
cxln, Δ dkgy

Ls med ...



Kansas City 2352'
(-968)

Ls, med gy, fn ool, ls,
granl-dse, gd sortel
oolts, sl Δty, NS

sh, gy, sm red
Ls, buff, sl ool, foss,
dnse-cky, Δty

Ls, tan, ool, foss,
fxln, NS

adj clock

sh, dk gy-black
Ls, tan, ool, fn-med
oolts, sm ooc φ, sm
intergl φ, NS

Ls, AA, dse-cky, NS

Stark sh 2448
(-1064)

AA, foss & Δty

sh, black

Ls, lt gy, sm wh, foss,
sl ool, dnse, sm Δ,
sm pyrite, NS

sh, black

Ls, wh, ool, foss, granl
in pt, sm dnse tan Ls
NS

Ls, lt gy-tan, dse-cky
Δty, sm pyrite, NS
sh, gg

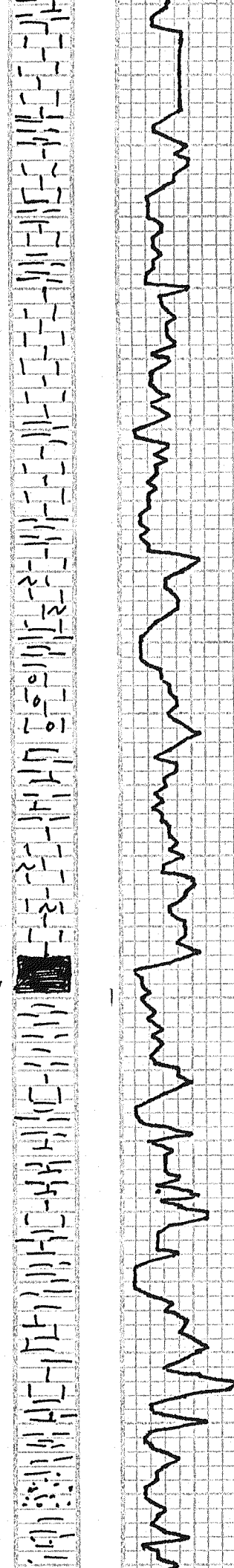
B/KC 2520'
(-1136)

sh, lt gy, sm lt grn
Ls, dnse, NS

Ls, tan-brwn, foss,
exln-dnse, NS

sh, gy, sm brwn, grn &
red
Ls, med gy-brwn, exln,
foss, NS

60
80
2600'
20
40
60
80
2700'
20
40
60
80



Marmaton 2579'
(-1195)

Ls, tan, fxl - cky
NS

sh, gy - black
Ls, brwn, cxln, sm
pea grn sh

sh, gy, grn, brwn, foss,
pyrite
Ls, tan, med xln -
cky, NS

sh, dk gy - black
Ls, tan-gy, dnse-cky
NS

sh, gy, sm grn, pyrite
Ls, brwn, sl foss, cxln
sm cky, NS

sh, gy - lt grn
Ls, brwn, ool. fxl -
sl cky, pyrite, NS

sh, gy & lt grn, argl
Ls, NS

Ls, tan-brwn, med
xln, sl foss, NS

Cherokee sh 2695'
(-1311)

sh, black

sh, gy, sm yellow-grn,
foss
Ls, med gy, med xln,
sl cky

sh, gy, grn - yellow, sm
dk gy foss Ls, NS

sh, AA & gy-blk, xln -
dnse, Ls
sh, yellow-grn, sm
yellow-grn argl Ls
NS.

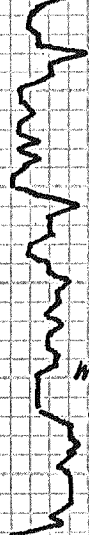
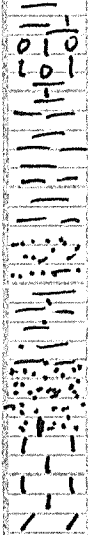
2766' CFS
30/45" (short trip)

30/45" sh, maroon, gy, yellow
sm banded sh & argl Ls
AA sm gy, fgrd, hard, ss
NS

DST #1 2827-2836
(Mississippian)

2800'

20



Burgess Sd 2818
(-1434)

Miss 2824'
(-1440) — 2821 CFS
15/30/45"

#1 — 2829 CFS
15/30/45"

RTD 2836' — 2836 CFS
15/30/45"

vc sh & ls, salt & peper
color, fuss, ool, glauco
NS

Sh, vc

ss, gg, fn grnd, psortd,
soft, NS

vc sh w/ pyrite, Δty
15" AA

30" ss, gg, fn grnd, glauco,
45" f sortd, vssso, gd odor

2829' 15" ssAA, Δty, vssFO
30" ls, wh, ool, glauco,
f intergl φ, pyrite,
vssFO, gd odor
45" AA

2836' 15" AA, more cgrnd,
sl dol, gd sFO, gd odor

30" Dol, tan, sl sucro-
dense, pug φ, ssFO,
gd odor

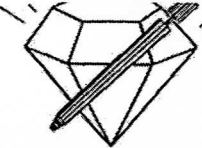
45" AA but gd sucro
dol, f ppt & ug φ
ssFO, gd odor

30-30-60-60
IF - BOB 5 min.
ISI - No blow
FF - BOB 5 min.
FSI - No blow

Rec: 45' 60, 180'
vsow (3% oil), 900'
wtr

IF 14-253#
FF 264-525#

ISIP 780#
FSIP 779#



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30046.D1201

Company Range Oil Company, Inc. Lease & Well No. Ross-Henry No. 1
 Elevation 1372 EGL Formation Mississippi Effective Pay _____ Ft. Ticket No. J2997
 Date 8-27-12 Sec. 15 Twp. 15S Range 2W County Saline State Kansas
 Test Approved By Ken Wallace Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 2,827 ft. to 2,836 ft. Total Depth 2,836 ft.
 Packer Depth 2,822 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 2,827 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,830 ft. Recorder Number 30046 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 2,833 ft. Recorder Number 11073 Cap. 4,000 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 310 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 45 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.2 Water Loss 9.3 cc. Drill Pipe Length 2,491 ft I.D. 3 in.
 Chlorides 1,500 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 2 Anchor Length 9 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: Strong blow. Off bottom of bucket in 5 mins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 5 mins. No blow back during shut-in.

Recovered 45 ft. of clean oil = .367650 bbls. (Grind out: 10%-gas; 90%-oil) Gravity: 36

Recovered 180 ft. of slightly oil cut water = 1.470600 bbls. (Grind out: 3%-oil; 97%-water)

Recovered 900 ft. of water = 6.345500 bbls. (Chlorides: 65,000 Ppm)

Recovered 1,125 ft. of TOTAL FLUID = 8.183750 bbls.

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) 12:05 P.M. Time Started off Bottom 3:05 P.M. Maximum Temperature 115°

Initial Hydrostatic Pressure.....(A) 1379 P.S.I.

Initial Flow Period.....Minutes 30 (B) 14 P.S.I. to (C) 253 P.S.I.

Initial Closed In Period.....Minutes 30 (D) 780 P.S.I.

Final Flow Period.....Minutes 60 (E) 264 P.S.I. to (F) 525 P.S.I.

Final Closed In Period.....Minutes 60 (G) 779 P.S.I.

Final Hydrostatic Pressure.....(H) 1342 P.S.I.