

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1239936
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: _____

1239936

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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Form	ACO1 - Well Completion
Operator	Range Oil Company, Inc.
Well Name	Meadows B 7
Doc ID	1239936

Tops

Name	Top	Datum
Iatan	2024	-820
Stalnaker	2054	-850
Layton	2486	-1282
Kansas City	2618	-1414
BKC	2774	-1570
Cherokee	2965	-1761
Bartlesville	3148	-1944
Mississippian chert	3188	-1984
Mississippian lime	3211	-2007

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



Cement or Acid Field Report
 Ticket No. **2048**
 Foreman Shannon Feck
 Camp Eureka

API# 15-035-24627

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
12-9-14	1034	Meadows B # 7	22	33S	4E	Cowley	KS
Customer	Mailing Address	City	State	Zip Code	Safety Meeting	Unit #	Driver
Range Oil Company INC	P.O. Box 781775	Wichita	KS	67278	SF CB JK	102 113	Chris B Joey K

Job Type Surface Hole Depth 212' Slurry Vol. 30 Bbl Tubing _____
 Casing Depth 202' 6.L. Hole Size 12 1/4" Slurry Wt. 14.8-15 # Drill Pipe _____
 Casing Size & Wt. 8 5/8" Cement-Left in Casing 15' Water Gal/SK 6.4 Other _____
 Displacement 12.6 Bbl Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety Meeting, Rig up to 8 5/8" casing, Break circulation & mixed 130SKS class A" cement w/ 3% calcium & 1/4 # Flocele/sk, Shut down release plug & displace w/ 12.6 Bbl H2O & shut casing in. Good circulation @ all times 5 Bbl Slurry to pit. Rig down, job complete.

"Thank you"
Shannon & crew

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	8740.00	8740.00
C107	70	Mileage	3.95	276.50
C200	130 SKS	Class A" cement	15.00	1950.00
C205	370 #	Calcium @ 3%	.60	222.00
C209	33 #	Flocele @ 1/4 #/sk	2.25	74.25
C108B	6. " Ton	Ton mileage bulk Truck	1.35	577.40
C413	1	8 5/8 wooden plug	80.00	80.00
C506	2	8 5/8 centralizers	65.00	130.00
C606	1	8 5/8 Basket	308.00	308.00
			Sub Total	4458.15
			6.4% Sales Tax	176.91

Authorization [Signature] Title _____ Total 4635.06

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. **2081**
Foreman Rick Ledford
Camp Eureka, KS

API# 15-035-24627

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
12-15-14	1034	Meadows B # 7	22	33S	4E	Cowley	Ks
Customer			Unit #	Driver		Unit #	Driver
Range Oil Company Inc.			105	Dave G.			
Mailing Address			110	Tacy K.			
P.O. Box 781725			141	Chris B.			
City	State	Zip Code					
Wichita	Ks	67228					

Job Type L/S Hole Depth 3516' Slurry Vol. 58 Bbl Tubing _____
 Casing Depth 3509 Hole Size 7 7/8" Slurry Wt. 13.7# Drill Pipe _____
 Casing Size & Wt. 5 1/2" 15.5# neu Cement Left in Casing 6.50 ST Water Gal/SK 9.0 Other _____
 Displacement 85 3/4 Bbl Displacement PSI 300 Bump Plug to 800 BPM _____

Remarks: Safety meeting- Rig up to 5 1/2" casing. Pump 10 Bbl water ahead, 12 Bbl metasilicate pre-flush, 10 Bbl water spacer. Mixed 175 sacks thickset cement w/ 5# Kal-seal/sk @ 13.7# gal washout pump + lower, release 5 1/2" latch down plug. Displace w/ 85 3/4 Bbl water. No circulation until 61 Bbl of displacement water, Got good circulation from 61 Bbl - 65 Bbl then no circulation from 65 Bbl to total displacement. Final pump pressure 300 PSI. Bump plug to 800 PSI. release pressure, float + plug held. Job complete. Rig down

Plug down @ 12:40 pm.
Cent - 5, 3, 5, 7, 9, 11

"Thank You"

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1050.00	1050.00
C107	70	Mileage	3.95	276.50
C201	175 sacks	thickset cement	19.50	3412.50
C207	875#	5# Kal-seal/sk	.45	393.75
C216	100#	metasilicate pre-flush	21.00	2100.00
C108B	9.63	tan mileage bulk + tax	1.35	910.04
C113	6 hrs	80 Bbl wac - 7ex	85.00	510.00
C224	3,300 gals	city water	10.00/1000	33.00
C421	1	5 1/2" latch down plug	230.00	230.00
C504	6	5 1/2" x 7 7/8" centralizers	48.00	288.00
C703	1	5 1/2" APIV insert flapper valve	145.00	145.00
			Subtotal	7449.79
			Sales Tax 6.40%	300.94
			Total	7749.73

Authorization Darryl Reed Title X

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.

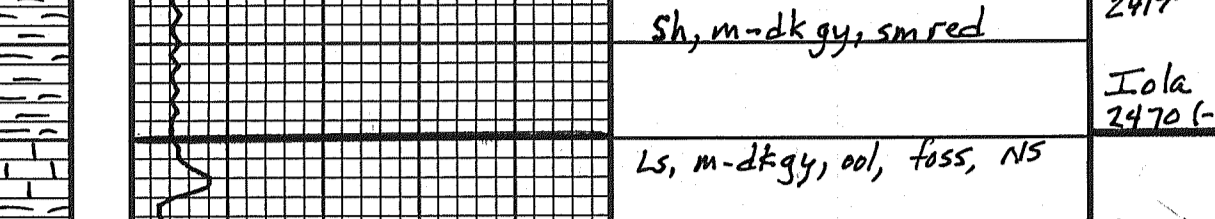
GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: Range Oil Co., Inc.	LEASE: Meadows B #7	ELEVATIONS: KB 1201'
FIELD: 150' ENL & 1750 FwL, NW 1/4	LOCATION: 22 T12SP 33 R06 4E	DF: 1195'
SEC: 22	T12SP: 33	R06: 4E
COUNTY: Cowley	STATE: KS	MEASUREMENTS ARE ALL FROM KB
CONTRACTOR: C&A Drilling, Inc.	KIP: 2	CASING: 8 1/2" ID, 2 1/2" WALL THICKNESS
SPUD: 12-9-14	COMP: 12-15-14	PRODUCTIVE: 5 1/2" @ 3500' / 12 1/2" @ 3515'
RTD: 3515'	LTD: 3518'	ELECTRICAL SURVES: 6R/ST, DUAL 100'
MUD UP: 2400'	TYPE MUD: Chem.	MICRO P:
SAMPLES SAVED FROM: 2400'	TO: RTD	
DRILLING TIME KEPT FROM: 2400'	TO: RTD	
SAMPLES EXAMINED FROM: 2400'	TO: RTD	
GEOLOGICAL SUPERVISION FROM: 2400'	TO: RTD	
GEOLOGIST ON WELL: Ken Wallace		

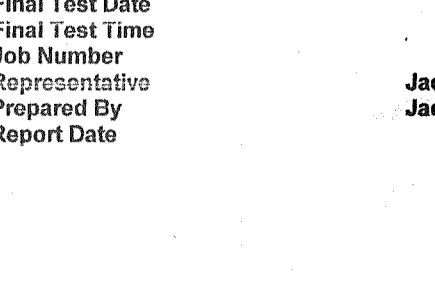
REMARKS: Gas detector on location from 2400' to RTD. Production casing set to further evaluate Miss!
 Ken Wallace
 12-8-14 MFRU
 12-9-14 8AM - prep to drill
 12-10-14 7AM - Drilling @ 585' 1/4 @ 212' & 527'
 12-11-14 8AM: PRT 2417, making BIT Trip: 349', A 1630' 2417'
 12-12-14 8AM - Drilling @ 2417', 1028' 2417'
 12-13-14 8AM - PRT 3216, Running DST #1
 12-14-14 7:45AM - Drilling @ 3378'
 12-15-14 8AM - RTD 3515', Rear Pioneer I-logs
 12-16-14 7AM - RTD 3518', set 5 1/2" casing @ 3509'

LEGEND



SCALE " = 100'

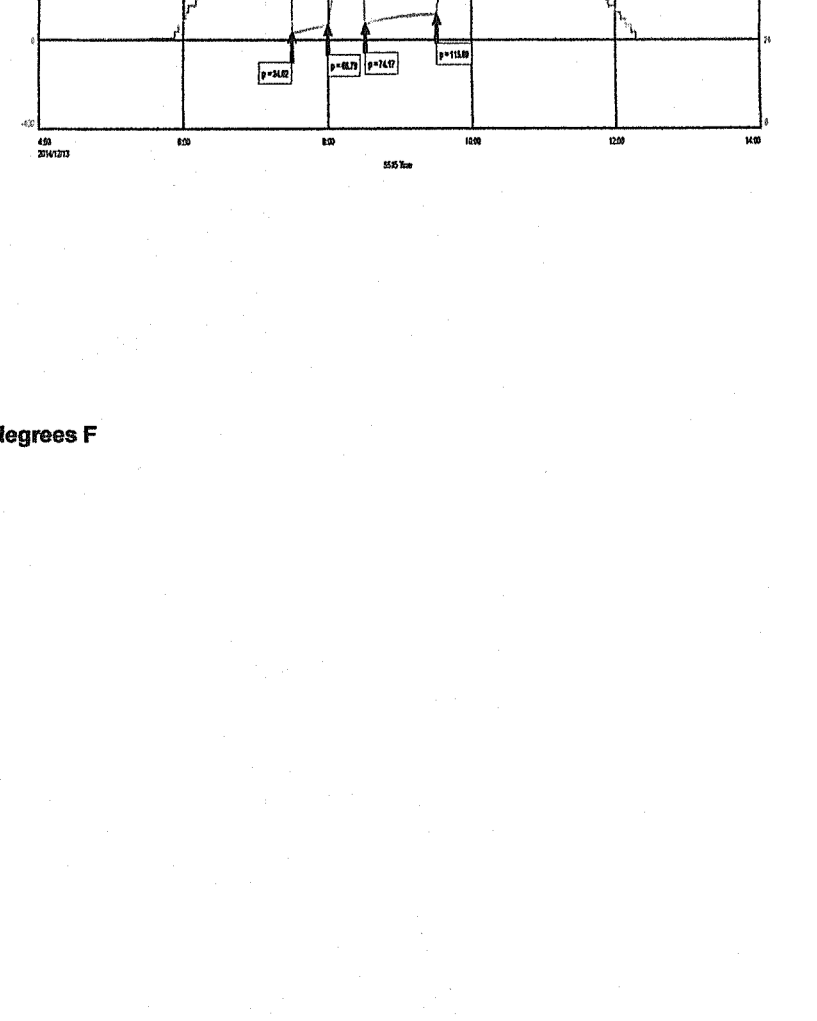
DEPTH (feet)	DRILLING TIME - Minutes Per Foot Rate of Penetration Decreases	SAMPLE DESCRIPTIONS	REMARKS
2450		Sh, m-dk gy, sm red	Twister Mud 2417' v 34 wt. 9.2 lcm 4.5
60		Ls, m-dk gy, ool, foss, NS	Iola 2470 (-1266)
80		sh, gy	Layton 2486 (-1282)
2500		SS, ltgy, fgd, well srt'd, p srt'd, well cent (calc), s & p tex, NS	
20		AA, more finegd	
40		sh, gy, sm red	
60		sh, gy, slty, mica, laminar	
80		ss/slat, gy, laminar, org/ mica	
2600		SS, ltgy, f-mgd, frnd, p srt'd, well cent (calc), s & p tex, NS	
20		sh, dk gy	Kansas City 2624 (-1420)
40		Ls, mgy-brn, mxln, ool, foss, NS	
60		Ls, ltgy-tan, fxl, slool/ foss, cky, NS	
80		SS, ltgy, fgd, nsrt'd/frnd, well cent (calc), NS	
2700		AA, more finegd	
20		Ls, tan-brn, f-mxln, slool, foss, cky, NS	
40		Ls, tan-offwh, fxl, foss v cky, dty, NS	
60		Ls, dkgy, fxl, dse, cky, argl, sl dty, NS	
80		sh, dk gy, sm red/brn	
2800		Ls, dk gy, ool, v foss, NS	
20		sh, gy - dk gy	
40		Ls, ltgy - tan, fxl, sl foss, cky, NS	
60		Ls, tan-brn, fxl, sl foss, cky, NS	B/Kansas City 2779 (-1575)
80		sh, dkgy-bl	
2900		Ls, offwh, fxl, glauc, slool/ foss, NS	
20		slst, lt grn/gy, sm sh (grn, gy, red)	
40		AA; sm vly fgd SS, NS	
60		sh/slt, ltgy, sm red	
80		AA; sm bl organic matter	
3000		sh, gy, pyr	Mamaton 2860 (-1656)
20		Ls, tan, fxl, slool, foss, cky, NS	
40		sh, dkgy	
60		Ls, tan, fxl, v foss, slol, fr odor, tr FL (c10%), NUF, NSFO	Twister Mud 2920' v 37 wt. 9.3 lcm 5
80		Ls, ltgy, sm tan, tan-grnt/ bss, fr odor, tr FL (c10%), NUF, NSFO	
3100		sh, bl	
20		Ls, offwh-ltgy, fxl, sl foss, cky, sl odor, tr FL (c10%), NUF, NSFO	Cherokee 2971 (-1767)
40		Ls, brn-tan, fxl, cky, sl FL (c30%), gd odor, NUF, NS	
60		Ls, tan, fxl, fodor, nud, NS sl FL (39%)	
80		SS, ltgy, v fgd (srt'd/frnd, well cent (calc), NS	
3200		slst, orgy, mica, pyr	
20		sh, gy, grn & slst	
40		sh, gy, pyr	
60		Ls, gy, fxl, argl, cky	
80		sh, gy, sm red	
3300		sh, b (coal)	
20		sh, gy	
40		sh, b	
60		sh, gy, sm red	
80		SS, gy, v fgd, frnd/srt'd	
3400		sh, red, smgy	Bartlesville Sd 3156 (-1952)
20		SS, ltgy, f-vly fgd, frnd (grn) with cent (calc), sl glauc, NS	Twister Mud 3177' v 51 wt. 9.2 lcm 3.5
40		sh, b, dk gy	Miss Ct 3193 (-1989)
60		3203 15" - 4" v.c (wh, thnk), weath, gd ppt, gd FL (60%), gd odor, 30" AA, sm tan, bss, fr odor, tr FL (c10%), 30" AA, much gas bubbles	Miss Lm 3217 (-2015)
80		Ls, tan, fxl - granit, d (frsh), nud, NS, sl odor, no cut	
3500		Ls, AA, no d, no odor, NFL, no cut	
20		Ls, m tan, fxl, nud, NFL, no odor, no cut	Twister Mud 3246' v 42 wt. 9.2 lcm 3.5
40		Ls, AA, no cut	
60		Ls, dk gy, sm tan, fxl, dse, sl cky, NLF, no odor, tr cut	
80		Ls, dk brn, fxl, sl foss, sl d, no odor, NLF, no cut	
3600		Ls, AA, no cut	
20		AA, no cut	
40		Ls, dk brn, fxl, d (dk brn) NO FL, no cut	
60		AA,	
80		Ls, dk brn, fxl, sl d, no odor, NLF, sl cut	
3700		AA sl cky, sl cut, no FL	
20		AA, no cut	
40		Ls, dk brn, fxl, dty, no odor, no FL, sl cut	
60		Ls, dk brn, fxl, cky, dty, no odor, NLF, fr cut	
80		AA, fr cut	Twister Mud 3380' v 45 wt. 9.3 lcm 4
3800		AA, tr cut	
20		Ls, md brn, fxl, silc strks, sl dty, no odor, tr FL (c10%), gd cut	
40		Ls, dk brn, fxl, sm tan, fr cut	
60		AA banded (H/dk), sl d, tr FL, fr cut	
80		Ls, md brn - brn, fxl, sl d, tr FL, fr cut	
3900		Ls, brn, fxl, sl d, tr FL, fr-gd cut	
20		AA, fr cut	
40		sh, dk gy, stratified	
60		Ls, md brn, fxl, glauc, tr FL fr cut, sl d	
80		Ls, vdk brn, glauc, fxl, dull FL (70%), sl foss, gd cut	
4000		AA, (c30%) dull FL, gd cut	
20		sh, gy	
40		Ls, wh, md xln, much calc xlys, NUF, pyr, NO FL, no cut	
4000		3515 15/30" AA	



JACOB MCCALLIE
 620-617-7116
 mccallie.dtlc@gmail.com

General Information

Company Name: Range Oil Corp
 Well Name: John Washburn Meadows B #7
 Unique Well ID: DST#1 Miss 3198-3216
 Surface Location: SEC 22-33S-4E Cowley County
 Field: Posey NE
 Well Type: Vertical
 Formation: DST#1 Miss 3198-3216
 Well Fluid Type: Oil
 Test Purpose (AEUB): Initial Test
 Start Test Date: 2014/12/13
 Start Test Time: 04:30:00
 Final Test Date: 2014/12/13
 Final Test Time: 13:50:00
 Job Number: 50527
 Prepared By: Jacob McCallie
 Report Date: 2014/12/13



FLUID RECOVERY

1484' GIP 100% O Gravity: 41 @ 60 degrees F
 30' CO 84% O 16% M
 120' SLWCHOCM 35% O 16% W 60% M
 120' SLWCHOCM 85% W 16% M
 280' TOTAL FLUID

PH: 7
 RHW: 18 @ 54 degrees
 Chlorides: 69,000 ppm

TOOL SAMPLE:
 73% O 22% W 5% M