1101596

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: Coffeyville Resources

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 #:

05/15/2012	05/21/2012	06/20/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-015-23939-00-00
Spot Description:
S2 - N2 - SW - SW Sec. 18 Twp. 25 S. R. 4 ☑ East ☐ West
900 Feet from ☐ North / ☑ South Line of Section
660 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW

County: Butler
Lease Name: JOSEPH B Well #: 7
Field Name: Pierce NW
Producing Formation: Mississippian
Elevation: Ground: 1294 Kelly Bushing: 1304
Total Depth: 2730 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 236 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: 1200 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**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrisor **Date:** 11/21/2012

Side Two

1101596

Operator Name: Range Oil Company, Inc. Lease Name: JOSEPH B Well #: 7

Sec. 18 Twp. 25 S. R. 4 ☑ East ☐ West County: Butler

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:

Dual Porosity & Induction

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

Name	Top	Datum
Heebner	1648	-344
Lansing	1932	-628
Kansas City	2213	-909
BKC	2381	-1077
Mississippian	2671	-1367
LTD	2729	-1425

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	236	common	125	3% CaCl
Production	7.875	4.5	10.5	2728	Thix-mix	150	

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
3	2683 to 2693	200 gal acid (15% MCA)	2683-93
		1000 gal acid (18% FE)	
		1500 acid (15% FE-NE)	

TUBING RECORD: Size: 2 3/8 Set At: 2710 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 06/20/2012

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	4		45		

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:
2683 - 2693

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

ROGER L. MARTIN
INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY RANGE OIL COMPANY, INC.
LEASE JOSEPH 'B' #7
FIELD PIERCE NORTHWEST
LOCATION 900' FSL & 660' FWL
SECTION 18 TOWNSHIP 25S RANGE 04E
COUNTY BUTLER STATE KANSAS

ELEVATIONS
KB 1304' GL 1294'
Measurements Are All From KB
API 15-015-23939

CONTRACTOR Summit Drilling Co., Rig #1
SPUD 05/15/2012 COMP 05/22/2012
RTD 2730' LTD 2729'
ELECTRICAL SURVEYS
LOG-TECH: DIL, CNL/CDL

CASING
SURFACE 8 5/8" set @ 236' w/125 sx + 3% Ca Cl
PRODUCTION 4 1/2" set @ 2728' w/150 sx Thix-mix

FORMATION TOPS	LOG	SAMPLES
HEEBNER SH	1648' (-344)	1641' (-337)
BROWN LS	1831' (-527)	–
LANSING	1932' (-628)	1934' (-630)
BASE LANSING	2068' (-764)	2074' (-770)
KANSAS CITY	2213' (-909)	2215' (-911)
BASE KANSAS CITY	2381' (-1077)	2378' (-1074)
MARMATON	2444' (-1140)	2447' (-1143)
EROS MISSISSIPPIAN	2667' (-1363)	2670' (-1366)
MISSISSIPPIAN LS	2671' (-1367)	2674' (-1370)
MISSISSIPPIAN SOLID	2682' (-1378)	2684' (-1380)
LTD/RTD	2729' (-1425)	2730' (-1426)

CHRONOLOGY
05/14/2012: MIRT
05/15/2012: 8:00 AM, Prepare to start drilling. Working on premix tank motor.
05/16/2012: 7:00 AM, PTD 241', Set surface casing @ 236'. SHS 1 deg @ 241'.
05/17/2012: 7:45 AM, DRLG @ 1122'. SHS 1/4 deg @ 450', SHS 1/2 deg @ 953'.
05/18/2012: 8:00 AM, DRLG @ 1895'. SHS 1/2 deg @ 1268', SHS 3/4 deg @ 1799'.
05/19/2012: 7:30 AM, DRLG @ 2350'. SHS 1/2 deg @ 2302'.
05/20/2012: 7:12 AM, CIRC @ 2670'. Short trip @ 2614'.
05/21/2012: 8:00 AM, RTD 2730'. Preparing for Electric logs. DST #1, 2625'-2695', 30-30-60-60. Blow weak. Rec: 1' FO, 74' SOGCM (1%O, 99%M), 79' TF. IFP: 15-32, ISIP: 538, FFP: 34-54, FSIP: 522, FHP: 1267, BHT: 106 F.
05/22/2012: 7:00 AM, RTD 2730'. Ran LOG-TECH Electric Logs. Set 4 1/2" casing @ 2728' w/150 sx Thix-mix cement. Plug down @ 7:40 PM on 5/21/2012.

REMARKS:
Respectfully submitted,
Roger L. Martin, Geologist (Wellsite)

LITH | DRILLING TIME MIN/FT | DST | SAMPLE DESCRIPTION | REMARKS

SHS @ 450' = 1/4 degree

SHS @ 953' = 1/2 degree

SHS @ 1268' = 1/2 degree

1641' (-337) HEEBNER SH

SHS @ 1799' = 3/4 degree

1934' (-630) LANSING

2074' (-770) BASE LANSING

MUD CHECKS by FUD MUD: WT 9.2+, VIS 42, PV 20, YP 20, pH 9.0, WL 9.2, Cl 1100, LCM 5#

2215' (-911) KANSAS CITY

(Trc SFO)

(Trc SFO)

(Trc SFO)

SHS @ 2302' = 1/2 degree

(VSl- SlSFO)

(VSl SFO)

2378' (-1074) BASE KANSAS CITY

2447' (-1143) MARMATON

WT 9.3, VIS 58, PV 34, YP 24, pH 9.0, WL 8.4, Cl 1200, LCM 2.5#

DST #1 MISSISSIPPIAN 2625'-2695' 30-30-60-60 1st Op: VWKSB, Incrs to 2", No BB 2nd Op: NB, then VWKSB after 12 min, Incrs to 1.25", No BB. Rec: 1' FO (Grav 40.0@60 F) 74' SOGCM (1%G, 1%O, 98% M) 79' TF IHP: 1282 IFP: 15-32 ISIP: 538 FFP: 34-54 FSIP: 522 FHP: 1267 BHT: 106 F

2674' (-1370) MISSISSIPPIAN LS

2684' (-1380) MSS DOLO (Fr-Gd SFO&GB)

SHS @ 2695' = 1/4 degree

WT 9.4, VIS 63, PV 34, YP 24, pH 9.0, WL 8.2, Cl 1100, LCM 2.5#

(Sl SFO)

(Trc SFO)

(Trc SFO)

2730' (-1426) RTD

RANGE OIL CO, INC
JOSEPH 'B' #7
900' FSL & 660' FWL
Sec 18-25S-04E
BUTLER CO., KS
API#15-015-23939

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

DRILL-STEM TEST TICKET
FILE: JSPHB7DST1

TIME ON: 1335
TIME OFF: 2250

Company RANGE OIL CO. Lease & Well No. JOSEPH B #7
Contractor SUMMIT Charge to RANGE OIL CO.
Elevation 1304 KB Formation MISSISSIPPI Effective Pay _____ Ft. Ticket No. M326
Date 5/20/2012 Sec. 18 Twp. 25 S Range 4 W County BUTLER State KANSAS
Test Approved By ROGER MARTIN Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 2625 ft. to 2695 ft. Total Depth 2695 ft.
Packer Depth 2620 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 2625 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2626 ft. Recorder Number 30037 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 2692 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 63 Drill Collar Length 282 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 1,100 P.P.M. Drill Pipe Length 2316 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number 1 Test Tool Length 27 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 70 ft. Size 4 1/2-FH in
(32' D.C.)
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 3½FH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: A VWSB THAT INC TO 2" (NO BB)
2nd Open: NO BLOW, THEN A VWSB @ 12 MIN INC TO 1¼" (NO BB)

Recovered 1 ft. of FREE OIL GRAVITY: 40.0 @ 60°
Recovered 75 ft. of S0SGM 1% GAS, 1% OIL, 98% MUD
Recovered 75 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____

Price Job	
Other Charges	
Insurance	
Total	

TOOL SAMPLE: 4% OIL, 96% MUD

Time Set Packer(s) 4:15 P.M. A.M. P.M. Time Started Off Bottom 66:15 P.M. A.M. P.M. Maximum Temperature 106

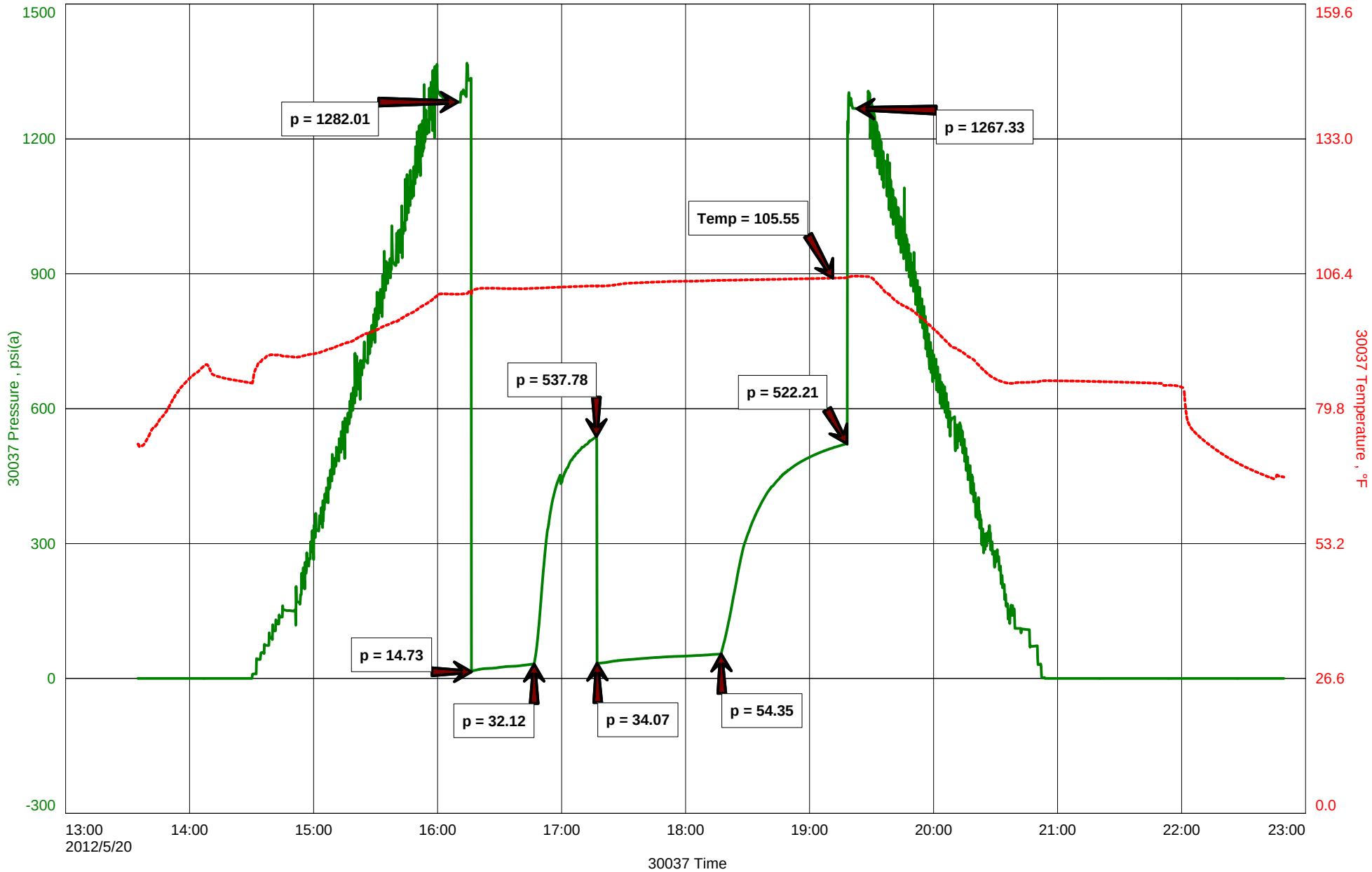
Initial Hydrostatic Pressure..... (A) 1282 P.S.I.
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 32 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 538 P.S.I.
Final Flow Period..... Minutes 60 (E) 34 P.S.I. to (F) 54 P.S.I.
Final Closed In Period..... Minutes 60 (G) 522 P.S.I.
Final Hydrostatic Pressure..... (H) 1267 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RANGE OIL CO.
DST#1 2625-2695 MISSISSIPPI
Start Test Date: 2012/05/20
Final Test Date: 2012/05/20

JOSEPH B #7
Formation: DST#1 2625-2695 MISSISSIPPI
Pool: WILDCAT
Job Number: M326

JOSEPH B #7



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RANGE OIL CO.	Job Number	M326
Well Name	JOSEPH B #7	Representative	MIKE COCHRAN
Unique Well ID	DST#1 2625-2695 MISSISSIPPI	Well Operator	RANGE OIL CO.
Surface Location	SEC.18-25S-4W BUTLER CO.KS.	Report Date	2012/05/20
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	ROGER MARTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#1 2625-2695 MISSISSIPPI
Test Purpose (AEUB)	Initial Test

Start Test Date	2012/05/20	Start Test Time	13:35:00
Final Test Date	2012/05/20	Final Test Time	22:50:00
		Well Fluid Type	01 Oil

Gauge Name	30037
Gauge Serial Number	

Test Results

Remarks **RECOVERED:**

A SHOW OF FREE OIL
75' S0SGM 1% GAS, 1% OIL, 98% MUD
75' TOTAL FLUID

GRAVITY: 40.0 @ 60

TOOL SAMPLE: 4% OIL, 96% MUD

ENTERED

COPY

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 34662
LOCATION Eureka
FOREMAN Steve Mead

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

FIELD TICKET & TREATMENT REPORT
CEMENT API 15-015-23939

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-15-12	6942	Joseph # B # 7	18	25S	4E	Butler

CUSTOMER: Range Oil Co. Inc
MAILING ADDRESS: 125 N Market Ste. 1120
CITY: Wichita | STATE: Ks | ZIP CODE: 67202

TRUCK #	DRIVER	TRUCK #	DRIVER
485	Alan M		
479	Mark		

JOB TYPE Surface O | HOLE SIZE 12 1/4 | HOLE DEPTH 241' | CASING SIZE & WEIGHT 8 5/8
CASING DEPTH 239 | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 14.5# | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 20'
DISPLACEMENT 14 bbls. | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: Safty Meeting: Rig up to 8 5/8 Casing with Cement Head & Manifold Break Circulation w/ 10 bbls Fresh water. Mix 125 sks Class A Cement w/ 3% Cacl2, 2% Gel & 1/4# Flo-Cele per/sk at 14.5#. Shut down. Release Woodson Plug. Displace with 14 bbls Fresh water. Shut well in. Good Cement Returns To Surface 8 bbls Slurry To Pit. Job Complete Rig down

Thank You

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	825.00	825.00
5406	40	MILEAGE	4.00	160.00
11045	125 sks	Class A Cement	14.95	1868.75
1102	350#	Cacl2 3%	.74	259.00
1118B	235#	Gel 2%	.21	49.35
1107	30#	Flo-Cele 1/4# per/sk	2.35	70.50
5407	5.88	Ton Mileage Bulk Truck	M/C	350.00
4432	1	8 5/8 Wooden Plug	80.00	80.00
4132	2	8 5/8 Centralizer	69.00	138.00
			SubTotal	3800.60
		6.55	SALES TAX	161.49
			ESTIMATED TOTAL	3962.09

RECEIVED
MAY 18 2012

Ravin 3737

249866

AUTHORIZTION Dan Cl | 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 34656
LOCATION Eureka
FOREMAN Kevin McCoy

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

FIELD TICKET & TREATMENT REPORT
CEMENT API # 15-015-23939

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-21-12	6942	Joseph B #7	18	25S	4E	Butler Ks

CUSTOMER: Range Oil Co., Inc.
MAILING ADDRESS: 125 N. Market Ste 1120
CITY: Wichita | STATE: Ks | ZIP CODE: 67202

Summit Drlg.

TRUCK #	DRIVER	TRUCK #	DRIVER
445	Allen B.		
611	Joey K.		
637	Chris M		

JOB TYPE Longstring 0 | HOLE SIZE 7 7/8 | HOLE DEPTH 2730' | CASING SIZE & WEIGHT 4 1/2 10.5# new
CASING DEPTH 2728' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 13.6# | SLURRY VOL 47 BBL | WATER gal/sk 9.0 | CEMENT LEFT in CASING 6.81
DISPLACEMENT 43.1 BBL | DISPLACEMENT PSI 700 | MIX PSI 1200 Bump Plug | RATE 5 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2 Csg. Break Circulation w/ 5 BBL fresh water. Pump 15 BBL Metasilicate Pre flush, 5 BBL water spacer. Mixed 150 sks Thick Set Cement w/ 5# Kol-Seal/sk @ 13.6#/gal, yield 1.75 = 47 BBL Slurry. Wash out Pump & Lines. Shut down. Release Latch down Plug. Displace Plug to Seat w/ 43.1 BBL fresh water. Final Pumping Pressure 700 PSI, Bump Plug to 1200 PSI. Wait 2 mins. Release Pressure. Float & Plug Held. Good Circulation @ all times while Cementing. Job Complete. Rig down.

RECEIVED
MAY 25 2012

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1030.00	1030.00
5406	40	MILEAGE	4.00	160.00
1126 A	150 sks	Thick Set Cement	19.20	2880.00
1110 A	750#	Kol-Seal 5#/sk	.46	345.00
1111 A	100#	Metasilicate Pre Flush	2.00	200.00
5407 A	8.25 Tons	40 miles Bulk Delv.	1.34	442.20
5502 C	4 Hrs	80 BBL Vac Truck	90.00	360.00
1123	3000 gals	City water	16.50/1000	49.50
4453	1	4 1/2 Latch down Plug	232.00	232.00
4226	1	4 1/2 AFU insert Float Valve	161.00	161.00
4129	4	4 1/2 x 7 7/8 Centralizers	42.00	168.00
		250623	Sub Total	6027.70
		THANK You 6.55%	SALES TAX	264.33
			ESTIMATED TOTAL	6292.03

Ravin 3737

AUTHORIZTION [signature] TITLE X 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.