



CEMENTING LOG

Date 2/27/2014 District Liberal # 21 Ticket No. 52525
 Company Ring Energy Rig Val # 1
 Lease Jamtz 32 Well No 1
 County Gray State KS
 Location _____
 Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight 24# Collar _____

CEMENT DATA

Spacer Type _____ H2O _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 LEAD: Time _____ hrs. Type 65/35 6% gel 3% CC Excess _____
.5# flo seal
 Amt. 640 Sks Yield 1.97 ft³/sk Density 12.4 PPG _____
 TAIL: Time _____ hrs. Type Class A 2%CC .25# flo Seal Excess _____
 Amt. 200 Sks Yield 1.18 ft³/sk Density 15.6 PPG _____
 WATER Lead 10.9 Gal/sk Tail 5.3 Gal/sk Total _____ BBLs _____

Casing Depths Top 0 Bottom 1814

Pump Trucks Used: 549-550
 Bulk Equipment 868-842
869-861

Drill Pipe: _____ LIN. FT/BBL _____
 Open Hole: _____ LIN. FT/BBL _____
 Capacity Factors: _____ LIN. FT/BBL 15.7
 Casing _____ LIN. FT/BBL 15.7
 Open Holes _____ LIN. FT/BBL 6.85
 Drill Pipe _____ LIN. FT/BBL _____
 Annulus _____ LIN. FT/BBL 13.6
 Perforations From _____ ft to _____ ft Amt _____

Float Equipment: Manufacturer _____ Weather Ford _____
 Shoe: Type Guide Shoe Depth 1742
 Float: Type AFU Insert Float Depth 1700
 Centralizers: Quantity 3 Plugs Top _____ Bottom _____
 Stage Collars _____
 Special Equipment Cement Basket
 Disp: Fluid Type H2O Amt 108.3 bbls Weight 8.33 PPG _____
 Mud Type _____

COMPANY REPRESENTATIVE _____

CEMENTER _____

Lenny Baeza

TIME	PRESSURES PSI		FLUID PUMPED DATA		REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD BBLs/MIN	
7:30pm					On location at 7:30pm
					Rigging up to well head
					Safety meeting with rig crew
					Pressure testing pumping lines to 2000 psi
10:00pm	2000				
10:03pm	200		10	5	10 bbls of H2O head of cement
10:05pm	220		234	5	Mixing lead cement @ 12.4#
10:40pm	180		276	4	Mixing Tail cement @ 15.6#
10:56pm	0		0	0	End of cement shutting down to release plug
10:57pm	120		276	5	Plug left the head and started displacement of 108.3 bbls
11:05pm					50 bbls gone
11:14pm	600		376	5	100 bbls gone 5bpm @ 600 psi
11:18pm	1600		389	3	113bbls gone and landed the plug bumped to 1200 psi and holding
					released the psi and float holding
					45 bbls of cement to surface
					rigging down iron
					leaving location @ 12:00am
					THANK YOU !!!!!!!!!!!!!!!!!!!!!!!

FINAL DISP. PRESS. 600 PSI BUMP PLUG TO 1200 PSI BLEEDBACK 1/2 bbls BBLs THANK YOU



CEMENTING LOG

Date **3/8/2014** District **Liberal # 21** Ticket No. **53083**
 Company **Ring Energy** Rig **Jantz 32** Well No **1**
 Lease **GRAY** State **KS**
 County **GRAY**
 Location **Bottom**
 Field

CEMENT DATA
 Spacer Type **20 bbl super flush** PPG
 Amt. **20** Sks Yield **2.68** ft³/sk Density
 LEAD: Time hrs. Type **CLASS "A", 2%GYPSEAL** Excess **50%**
2%NAMS,2%NaCl,4%GEL,25%FLOSEAL
 Amt. **200** Sks Yield **2.68** ft³/sk Density **11.8** PPG
 TAIL: Time hrs. Type **CLASS "A", 6LB NaCl, 5.5%GYPSEAL**
2%GEL, 0.8BWOC FLUID LOSS FL-160, 5# KOLSEAL Excess
 Amt. **275** Sks Yield **1.58** ft³/sk Density **14.5** PPG
 WATER Lead **16** Gal/sk Tail **6.98** Gal/sk Total BBLs

Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size **5 1/2** Type Weight **15.5** Collar

Pump Trucks Used: **700-686**
 Bulk Equipment **562-467**
705-642

Drill Pipe: BBLs/LIN. FT **1** LIN. FT/BBL
 Open Hole: BBLs/LIN. FT **1** LIN. FT/BBL
 Capacity Factors: BBLs/LIN. FT **0.0238** LIN. FT/BBL
 Casing BBLs/LIN. FT **0.0309** LIN. FT/BBL
 Open Holes BBLs/LIN. FT **32.4065** LIN. FT/BBL
 Drill Pipe BBLs/LIN. FT **32.4065** LIN. FT/BBL
 Annulus BBLs/LIN. FT **32.4065** LIN. FT/BBL
 Perforations From **32.4065** ft to **32.4065** ft Amt

Float Equipment: Manufacturer **WEATHERFORD**
 Shoe: Type **AFU FLOAT SHOE** Depth **5386**
 Float: Type **LATCH DOWN PLUG AND BAFFLE** Depth **5345**
 Centralizers: Quantity **45** Plugs Top **1** Bottom
 Stage Collars
 Special Equipment
 Disp: Fluid Type **H2O** Amt **127** bbls Weight **8.34** PPG
 Mud Type

COMPANY REPRESENTATIVE

CEMENTER **ALDO ESPINOZA**

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA		REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD BBLs/Min	
430 AM					ARRIVE TO LOCATION
445 AM					RIG UP
730AM					SAFETY MEETING
800AM			12	1	PLUG RAT HOLE AND MAUSE HOLE
810AM	2500		13	1	PRESSURE TEST
812AM	50		33	6	PUMP 20 BBL SUPER FLUSH
824AM	80		110	6	PUMP 77 BBL OF LEAD SLURRY CEMENT
840AM	80		188	6	PUMP 78 BBL OF TAIL SLURRY CEMENT
950AM	80			4	RELEASE PLUG- START DISPLACEMENT
956AM	280		208	6	20 BBL GONE
1000AM	400		228	6	40 BBL GONE
1003AM	600		248	6	60BBLGONE
1007AM	950		268	6	80 BBL GONE
1011AM	1250		288	6	100 BBL GONE
1016AM	1500		308	3	120 BBL GONE SLOW DOWN TO 3 BPM
1020AM	2000		315	3	BUMP PLUG - HOLD FOR 5 MIN
					FLOATS GOOD
1045AM					RIG DOWN
1145AM					LEAVE LOCATION

FINAL DISP. PRESS. **1500** PSI BUMP PLUG TO **2000** PSI BLEEDBACK **0.5** BBLs **THANK YOU**

ALLIED OIL & GAS SERVICES, LLC 052525

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Clarksburg

DATE <u>2-27-14</u>	SEC. <u>22</u>	TWP. <u>27S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>1/2 mi N. 1/2 Sec 20</u>	JOB START <u>11:30am</u>	JOB FINISH
LEASE <u>Watz</u>	WELL # <u>32-1</u>	LOCATION <u>Ver North Capeland KS</u>			COUNTY <u>Emery</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Val #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 1615
 CASING SIZE 8 5/8 DEPTH 1814
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 2000 MINIMUM
 MEAS. LINE SHOE JOINT 42
 CEMENT LEFT IN CSG. 2.66618
 PERFS.
 DISPLACEMENT 12.86618

OWNER

CEMENT
 AMOUNT ORDERED 40
50cc 14#-40
2000# Class A 2900 14#-40
 COMMON 2000# @ 17.90 35800.00
 POZMIX @
 GEL @
 CHLORIDE 268K @ 64.00 16640.00
 ASC @ 16.50 658.00
Allyd 194 weight 1000#
Fl Seal 2104# @ 2.97 623.70

EQUIPMENT

PUMP TRUCK CEMENTER Geny Energy
 # 549-510 HELPER Jaine M.
 BULK TRUCK DRIVER Jose C.
 # 868-842
 BULK TRUCK DRIVER Ricardo L.
 # 869-841

REMARKS:

TOTAL 23969.22

SERVICE

DEPTH OF JOB 1001.2000
 PUMP TRUCK CHARGE 2213.75
 EXTRA FOOTAGE @
 MILEAGE 50 @ 7.70 385.00
 MANIFOLD @ 275.00
Light Vehicle 50 @ 4.40 220.00

CHARGE TO: King Energy TOTAL 3093.75
 STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

700 Rubber Plug @ 131.04
Guide Shoe @ 400.98
AFU Float Valve @ 446.97
Cement Basket @ 554.08
Centralizer 16 @ 74.68 1196.08

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

TOTAL 2796.30

SALES TAX (If Any)

TOTAL CHARGES 29679.27

DISCOUNT 21513.08 IF PAID IN 30 DAYS

PRINTED NAME Gather Parcel

SIGNATURE [Signature]

ALLIED OIL & GAS SERVICES, LLC 053083

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Liberal (21)

DATE <u>3-8-14</u>	SEC. <u>38</u>	TWP. <u>27</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30</u>	JOB FINISH <u>10:00</u>
LEASE <u>Jan 2</u>	WELL # <u>1</u>	LOCATION <u>7 Mi, North of Coppola, KS, E. of Hwy 70</u>	COUNTY <u>KS</u>	STATE <u>KS</u>			

OLD OR NEW (Circle one)

CONTRACTOR Vol Pig #1
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D. 5386
 CASING SIZE 5 1/2 DEPTH 5386
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 41
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 187.2 BBL Hao
 EQUIPMENT
 PUMP TRUCK CEMENTER Aldo Espinoza
 # 700-686 HELPER Cesar Padua
 BULK TRUCK DRIVER Alex Corona
 # 562-467
 BULK TRUCK DRIVER Ruben Perez
 # 705-5642

OWNER

CEMENT
 AMOUNT ORDERED (2005) Class A (2) 1900 gal, 21.1 Mms
21.1 Mms (1.4 m gal) 1/4" 400 Flo-test (27555) Class A
666 Mms (35 1/2 gal) 2 gal, 187.1 Bbl of Fluid F-10
566.5 gal Seal

COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
Am DG, Class A 800 gal @ 85.90 5,180.00
ASRC, Class A 275.5 gal @ 80.90 5,747.50
Super flush 80 gal @ 58.70 1,174.00
Flo seal 50.16 @ 8.97 1,478.50
FL-160 807.16 @ 18.90 3,918.30
Pol seal 1375.16 @ .98 1,347.50

HANDLING 800.79 @ 1.1 FT @ 2.48 1,489.97
 MILEAGE 1893.26 @ 100 mile @ 2.60 3,363.79
TOTAL 22,363.56

REMARKS:

SERVICE

DEPTH OF JOB 5386
 PUMP TRUCK CHARGE 3,099.25
 EXTRA FOOTAGE @
 MILEAGE Light 50 mi @ 4.40 220.00
 MANIFOLD 1 @ 275.00 275.00
Heavy Vehicle 50 mi @ 7.70 385.00
TOTAL @ 3,979.25

CHARGE TO: Ring Energy, Inc.
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

AFV Float shoe 1 @ 408.23 408.23
Latex Pump Plug 1 @ 324.69 324.69
Centralizers 45 @ 57.33 2,579.85
TOTAL @ 3,312.27

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SALES TAX (If Any) _____
 TOTAL CHARGES 29,655.08
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Samie Holt
 SIGNATURE Samie Holt

NET: 21,351.66