

ALLIED OIL & GAS SERVICES, LLC 055192

Federal Tax ID # 20-5975804

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

SERVICE POINT
Russell, KS

<u>Charo lais</u>							
DATE <u>4/11/14</u>	SEC <u>5</u>	TWP <u>11</u>	RANGE <u>17</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Chadswell #</u>	<u># 2</u>	LOCATION <u>Hayes</u>	<u>KS</u>			COUNTY <u>277's</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR 224th Knight OWNER _____
 TYPE OF JOB 9 1/2 Long String
 HOLE SIZE _____ ID. _____
 CASING SIZE 5 1/2 DEPTH 3625.3'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 CEMENT L.EFT IN CSG. 7.9' SHOE JOINT 7.7'
 PERFS. _____
 DISPLACEMENT 86.30 14'00

CEMENT AMOUNT ORDERED 300SK WM
43.1cc 1016.5SK 17.79-10
 COMMON 300SK @ 17.9 \$ 5,370.00
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE 846.16 @ .80 \$ 676.80
 ASC _____ @ _____
152215sk @ 1.53 \$ 206.66
1012 1/2 round / FWD 500 @ 1.40 \$ 700.00
2916 7/8-10 @ 28.25 \$ 529.25
4000 1/2 round @ _____
 HANDLING 300SK @ 7.5 \$ 2250.00
 MILEAGE 282 @ 7m \$ 1974.00
 TOTAL \$ 9,557.71

REMARKS:

SERVICE

DEPTH OF JOB _____ \$ 3625.35
 PUMP TRUCK CHARGE _____ \$ 2558.75
 EXTRA FOOTAGE _____ @ _____ \$ 308.00
 MILEAGE 282 @ 4.1 \$ 88.00
 MANIFOLD high @ _____ \$ 88.00

CHARGE TO: Liberty Oil Operations TOTAL \$ 3229.15
 STREET _____
 CITY _____ STATE _____ ZIP _____
 PLUG & FLOAT EQUIPMENT

See General Job Log
See 7/10/35.5m #106.95

1x 5 1/2 float shoe @ - \$545.00
 1x 5 1/2 Latex Duv Assy @ - \$460.00
 1x 5 1/2 Tool Collar @ - \$3500.00
 1x 5 1/2 Control Valve @ \$570.00
 2x 5 1/2 Baffle @ \$395.00
 TOTAL \$ 6,065.00

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cement and helpers(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.
 PRINTED NAME _____
 SALES TAX (if any) _____
 TOTAL CHARGES \$ 18,524.66
 DISCOUNT \$ 4,148.03 PAID IN 30 DAYS
 NET \$ 14,766.63

SIGNATURE Travis Duma



CEMENTING LOG

STAGE NO.

CEMENT DATA:

Spacer Type: _____ Sks Yield 2.38 ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____ Excess _____

Amt: _____ Sks Yield _____ ft³/sk Density _____ PPG

Tall: Pump Time _____ hrs. Type _____ Excess _____

Amt: _____ Sks Yield _____ ft³/sk Density _____ PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls

Pump Trucks Used #417, Deery

Bulk Equip. 925-125, Tscog

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type _____ Amt _____ Bbls. Weight _____ PPG

Mud Type _____ Weight _____ PPG

CEMENTER For Planned

REMARKS

On location - Sully noting

set up truck for mixing

Rob 2 1/2 TBG in 2 18 1/2 - spot

ask same - 2 9 1/2 TBG

PEA 1714 - 1002 - 45 1/2 / 1500 PSI.

1 mixed / 20 TBG

4 Command Aid vinyl discs

1 1/2 spaced cement @ 1 1/2 TBG

1 1/2 spaced PC - tail @ 1 1/2 TBG

1 1/2 REN 5 DIS - cement @ 1 1/2 TBG

1 1/2 REN 20 TBG - cement @ 1 1/2 TBG

1 1/2 TBG cement @ 1 1/2 TBG

3 1/2 1000 PSI track -

Date 10/20/14 District Russell Ticker No. 55525
Company Liberty Drilling LLC Rig _____
Lease Liberty Well No. 1
County Ellis State TX
Location 4000 1st St Field _____
Casing Data: Conductor PTA Squeeze Misc
Surface Intermediate Production Liner
Size 2 1/2 Type TBG Weight _____ Collar _____

Casing Depth: Top 512 ccs Bottom 1714
PE-1714

Drill Pipe: Size _____ Weight _____ Collars _____
Open Hole Size _____ TD _____ ft. P.B. to _____ ft.
Capacity Factors:
Casing: Bbls/Un. ft. _____ Un. ft./Bbl. .0238
Open Holes: Bbls/Un. ft. _____ Un. ft./Bbl. _____
Drill Pipe: Bbls/Un. ft. _____ Un. ft./Bbl. _____
Annulus: Bbls/Un. ft. _____ Un. ft./Bbl. .0058
Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE _____

TIME	PRESSURES PSI	FLUID PUMPED DATA			RATE Bbls Min.	REMARKS
		DRILL PIPE CASING	ANNULUS	TOTAL FLUID		
1:50						
2:00						
3:40						
4:00						
4:30						
5:00						
6:00						
7:00						
7:35						

