

CEMENT DATA:

Spacer Type: _____ Size Yield 2.45 ft³/sk Density _____
 Amt. 19 ACON Blend

LEAD: Pump Time _____ hrs. Type _____ Excess _____

Amt. _____ Sls Yield _____ ft³/sk Density _____ PPG
 TAIL: Pump Time _____ hrs. Type _____ Excess _____

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

Pump Trucks Used 417 - Danny S

Bulk Equip. 417 - Tracy D

Float Equip: Manufacturer _____ Depth _____

Shoe Type _____ Depth _____

Float Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

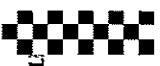
Stage Collars _____

Special Equip. _____ Amt. _____ Gals Weight _____ PPG
 Disp. Fluid Type _____ Amt. _____ Gals Weight _____ PPG
 Mud Type _____ Weight _____ PPG

CEMENTER Dany Plummeriel

Date 9.29.14 District Russell Ticket No. 55506
 Company hiberty Operating Rig Block 03
 Lease Block 5 Well No. 1
 County Dillon State WY
 Location S to BB rd 2 c 1g 2 c n 14
 CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 2 7/8 Type T80 Weight _____ Collar _____
2 7/8 T80 in 5 1/2 csg 10
 Casing Depth: Top 01 Bottom _____
 Drill Pipe Size _____ Weight _____ Collars _____
 Open Hole Size _____ ID _____ ft. P.B. to _____ ft.
 CAPACITY FACTORS: Bbs/Lin. ft. _____ Lin. ft./Bbl. 18238
 Open Holes: Bbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbs/Lin. ft. _____ Lin. ft./Bbl. _____
 T80 Perforations: From _____ ft. to _____ ft. Amt. _____

TIME	PRESSURES PSI		FLUID PUMPED DATA		RATE BBS MIN.	REMARKS
	AM/PM	ANNULUS	TOTAL FLUID	Pumped Per Time Period		
<u>9:05</u>						<u>On location - Safety meeting</u>
<u>10:55</u>						<u>Set up material of truck</u>
<u>11:35</u>			<u>13</u>		<u>3</u>	<u>ran 80 JIS T80 in 5 1/2 csg @ 94%</u>
<u>12:05</u>				<u>41 gals ps</u>	<u>1/4</u>	<u>mixed 2 bbs sand @ 1350psi</u>
<u>2:35</u>				<u>81</u>	<u>3</u>	<u>Pressure to test plugs @ 1400 psi. (Good) T80 @ 1900 psi. T80 to surface @ 1831'</u>
<u>3:35</u>				<u>50 ps</u>	<u>1/4</u>	<u>torque 180K from Bldg @ 42. Stand down in @ 1200 psi. amount did not circulate over @ 850 psi.</u>
<u>4:05</u>				<u>8</u>	<u>3</u>	<u>for completion</u>
						<u>landed track</u>



ATTN: PO. BOX 31
 RUSSELL, KANSAS 67665

985 434 4939

Service Point: Kansas 11 KS

DATE 9-30-14	SEC 17	TWR 10	RANGE 17	LOC ON LOCATION	JOB START	JOB FINISH
WELL # 1	LOC Hys 15 162	CE 12256 E	JOB # 330	FIN 31	COUNTY Rooks	STATE KS
CONTRACTOR <u>Blood apps</u>			OWNER <u>USE 1 190 STS</u>			

TYPE OF JOB <u>squeeze</u>	TD
PIPE SIZE <u>5 1/2 15.5"</u>	DEPTH <u>72.5</u>
TUBING SIZE <u>2 3/8</u>	DEPTH
DRILL PIPE	DEPTH
COLL	DEPTH
RES. MAX	MINIMUM
WEAS. LINE	SHOE JOINT
ELEMENT LEFT IN CSG.	
ERFS. <u>532</u>	<u>7881</u>
DISPLACEMENT	EQUIPMENT

PUMP TRUCK	CEMENTER <u>Robert</u>
TRUCK	HELPER <u>Robert</u>
TRUCK	DRIVER <u>Tony</u>
TRUCK	DRIVER
REMARKS:	

DEPTH OF JOB	72.5
PUMP TRUCK CHARGE	2058.50
EXTRA FOOTAGE	
MILBAGE 20 L/MIN	@ 4.80 88.00
MANIFOLD	@ 480.00 480.00
40 M/LITE	@ 2.20 308.00
TOTAL	3899.50

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PUMP TRUCK CHARGE	2058.50
EXTRA FOOTAGE	
MILBAGE 20 L/MIN	@ 4.80 88.00
MANIFOLD	@ 480.00 480.00
40 M/LITE	@ 2.20 308.00
TOTAL	3899.50

SALES TAX (IF ANY)	
TOTAL CHARGES	7832.00
DISCOUNT	1723.01
TOTAL	6108.99

CHARGE TO: Liberty Oper & Compl Ins

CITY _____ STATE _____ ZIP _____

PRINTED NAME Paul Allen

SIGNATURE Paul Allen

DATE PAID IN 30 DAYS

ALLIED OIL & GAS SERVICES, LLC 055213

Federal Tax I.D. # 20-5975804

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

SERVICE POINT:
Russell KS

DATE 4-7-14	SEC 17	TWP 10	RANGE 17	CALLED OUT	ON LOCATION	JOB START 1030AM	JOB FINISH 1100AM
LEASE <i>Hansen</i>	WELL # 41	LOCATION Plainsville SS 3E 17-10	COUNTY Leake	STATE KS			
OLD ORDER# (Circle one)							

CONTRACTOR *Mike Knight*

OWNER

TYPE OF JOB *long string* I.D. **3805**
 HOLE SIZE **7 7/8** DEPTH **3665**
 CASING SIZE **5 7/8** DEPTH **3665**
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT **15.80**
 CEMENT LEFT IN CSG. **15.80**
 PERFS.
 DISPLACEMENT **8634**

EQUIPMENT

PUMP TRUCK CEMENTER *Robert Glenn Co*
 # **409** HELPER *Altham D*
 BULK TRUCK **378** DRIVER *Kevin R*
 BULK TRUCK DRIVER

REMARKS:

see log

Thank you!!!

CHARGE TO: *Liberty Operate Com, Inc*

CITY STATE ZIP

CEMENT AMOUNT ORDERED **250** @ **com 38cc 102.5¢/lb**
12 FL-10

COMMON **250** @ **17.90** **4475.00**

POZMIX GEL @ **.80** **564.00**

CHLORIDE **765** @ **.53** **672.04**

ASC **2446** @ **18.25** **438.00**

FL-10 **2446** @ **18.25** **438.00**

Mud Flask **500** @ **1.40** **700.00**

HANDLING **250** @ **2.48** **620.00**
 MILEAGE **235** @ **2.60** **611.00**
 TOTAL **8080.04**

SERVICE

DEPTH OF JOB **3665**

PUMP TRUCK CHARGE **2558.75**

EXTRA FOOTAGE @ **440** **82.00**

MILEAGE **20** @ **275.00** **275.00**

MANPOWER **40** @ **7.70** **308.00**

645.95 @ **0.20** **129.19**
 TOTAL **3229.75**

PLUG & FLOAT EQUIPMENT

WF AEU Elast shoe **545.00** **545.00**

WF 1st ch down @ **660.00** **660.00**

WF 2nd ch @ **95.00** **570.00**

WF baskets @ **375.00** **790.00**

573.99 @ **0.20** **114.80**
 TOTAL **2566.00**

SALES TAX (if Any)

TOTAL CHARGES **3874.79**

DISCOUNT **2774.95** IF PAID IN 30 DAYS

PRINTED NAME
 SIGNATURE *Robert Glenn*

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cement 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.