

# ALLIED OIL & GAS SERVICES, LLC <sup>KB</sup> 052461

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Liberal

DATE <u>0-28-12</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Haley</u>	WELL # <u>4-10H</u>		LOCATION <u>Vec Butter Milk KS East</u>		COUNTY <u>Comanche</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)							

CONTRACTOR <u>Patterson Rig 421</u>	
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>812</u>
CASING SIZE <u>9 5/8</u>	DEPTH <u>801.97</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>44.9'</u>
CEMENT LEFT IN CSG. <u>44.9</u>	
PERFS.	
DISPLACEMENT <u>58.5 barrels</u>	
EQUIPMENT	

OWNER	
CEMENT	
AMOUNT ORDERED <u>200 sk Class A 3% cc</u>	
<u>2% cc - 45 2% cc seal - 25' flo seal - 11.9 ppf</u>	
<u>150 sk Class A 2% cc</u>	
COMMON <u>350</u>	@ <u>16.25</u> <u>5687.50</u>
POZMIX	@
GEL	@
CHLORIDE <u>10</u>	@ <u>58.20</u> <u>582.00</u>
ASC	@
<u>GP SL - Gyp seal 4</u>	@ <u>34.20</u> <u>136.80</u>
<u>Sodium Metasilicate 376</u>	@ <u>3.00</u> <u>1128.00</u>
<u>Flo seal 50</u>	@ <u>2.70</u> <u>135.00</u>
HANDLING <u>378</u>	@ <u>2.10</u> <u>793.80</u>
MILEAGE <u>605.50</u>	@ <u>2.35</u> <u>1422.93</u>
<u>Drayage TM</u>	<u>605.50</u>
TOTAL <u>\$9886.03</u>	

PUMP TRUCK # <u>530-484</u>	CEMENTER <u>Lenny Baeka - Michael Barnett</u>
BULK TRUCK # <u>562-554</u>	HELPER <u>Richard Caldwell 2</u>
BULK TRUCK #	DRIVER <u>Jesus Vega 3</u>
BULK TRUCK #	DRIVER

REMARKS:  
Lead Cement 108.99 Slurry  
Tail Cement 31.52 Slurry

CHARGE TO: Tug Hill Operating  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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.

PRINTED NAME Jim Queenbury

SIGNATURE Jim Queenbury AFG: 12-0139 CODE: 830.18

**SERVICE**

DEPTH OF JOB <u>801.97</u>	
PUMP TRUCK CHARGE <u>\$1125.00</u>	
EXTRA FOOTAGE <u>500</u>	@ <u>.95</u> <u>475.00</u>
MILEAGE <u>35</u>	@ <u>7.00</u> <u>245.00</u>
MANIFOLD <u>I</u>	@ <u>200.00</u> <u>200.00</u>
<u>Light Vehicle Mileage 35</u>	@ <u>4.00</u> <u>140.00</u>
TOTAL <u>\$2105</u>	

**PLUG & FLOAT EQUIPMENT**

<u>Top Rubber Plug 1</u>	@ <u>158.00</u> <u>158.00</u>
	@
	@
	@
	@
TOTAL <u>\$158.00</u>	

SALES TAX (If Any) 493.11  
TOTAL CHARGES \$12,229.03  
DISCOUNT (35) 4280.16 IF PAID IN 30 DAYS

Net \$ 7948.87





# Daily Drilling Report

11/19/2012 2:49 PM

Well Information						
Well Haley Unit 1-10H			AFE Number 12-0139		Report Date 8/29/2012	
Country USA	State KS	County Comanche	Field Buttermilk East		Lease 200' FSL 660' FWL/SW SW	
API / IPO UWI Comanche			Orig KB Elev (ft)	Ground Elevation (ft) 1838.0	KB-GRD (ft) -1838.0	
Qtr/Qtr, Block, Sec, Town, Range ,10,34S,18W				Spud Date 8/27/2012	Rig Release Date 9/16/2012	

Daily Operations		
24 Hour Summary DRILL 700-760. SURVEY. DRILL 760-812. CIRCULATE. P.O.O.H. TO 100'. TIH TO 812'. CIRCULATE. P.O.O.H.. R/U CASING TOOLS & P/U MACHINE ( R/D 5J CRANE ). RAN 9-5/8" FLOAT SHOE, 1 JT. OF CASING, FLOAT COLLAR & 17 JTS. OF 9-5/8" 36# J-55 LT&C CASING. SET @ 797'. R/D CASING TOOLS & P/U MACHINE. CIRCULATE & R/U ALLIED CEMENTERS. P/T TO 2,000 PSI. MIX / PUMP 200 SX. CLASS "A" CEMENT @ 11.4 PPG + ADDITIVES, MIX / PUMP 150 SX. CLASS "A" CEMENT @ 15.6 PPG + ADDITIVES. DROP PLUG. DISPLACE W/ 58.5 BBLs. WATER. BUMP PLUG @ 1,000 PSI. FLOATS HELD. CIRCULATED 68 BBLs. CEMENT TO SURFACE. R/D ALLIED. W.O.C.. WELDER CUT OFF CONDUCTOR & 9-5/8" CASING.		
24 Hr Forecast WELD ON GE WELL HEAD. N/U B.O.P.'S. TEST B.O.P.'S. DRILL CEMENT / FLOAT EQUIPMENT. DRILL.		
Operations At Report Time WELDER WELDING ON WELL HEAD		
Daily Total (Cost) \$312438.00	Cum Daily Total (cost) \$661136.99	Total AFE (Cost) \$0.00

Daily Contacts	
Wellsite Supervisor JIM QUESENBURY	Supervisor Phone 281-833-2373

Time Log						
Start Time	End Time	Hours	Log Start Depth	Log End Depth	Activity Code	Description
6:00	7:00	1.00	700.0	760.0	DRLG	DRILL 700-760
7:00	7:30	0.50	760.0	760.0	DEV	SURVEY
7:30	8:30	1.00	760.0	812.0	DRLG	DRILL 760-812
8:30	9:00	0.50	812.0	812.0	COND	CIRCULATE
9:00	10:00	1.00	812.0	812.0	TOH	TOH TO 100'
10:00	11:00	1.00	812.0	812.0	TIH	TIH TO 812'
11:00	13:00	2.00	812.0	812.0	COND	CIRCULATE
13:00	14:30	1.50	812.0	812.0	TOH	P.O.O.H.
14:30	17:00	2.50	812.0	812.0	RCSG	R/U CSG. TOOLS / P/U MACHINE ( R/D 5J CRANE )
17:00	19:00	2.00	812.0	812.0	RCSG	RUN CASING
19:00	19:45	0.75	812.0	812.0	RCSG	R/D CSG TOOLS / P/U MACHINE
19:45	21:45	2.00	812.0	812.0	COND	CIRCULATE
21:45	0:00	2.25	812.0	812.0	CMNT	ALLIED CEMENTED CASING
0:00	4:00	4.00	812.0	812.0	WOC	W.O.C.
4:00	6:00	2.00	812.0	812.0	NUND	CUT OFF CASING

Mud Checks								
Type	Depth (ftKB) 812.0	Source	Density (lb/gal) 8.500	Funnel Viscosity (s/qt) 27.000	Filtrate (mL/30min)			
HTHP Filtrate (ml/30min)	Mud Lost Hole (bbl)	Mud Lost (Surf) (bbl)		PV(cp)	YP (lb/100ft²)	pH		
Vis 6rpm	Lime (lb/bbl)	Gel 30 min (lb/100ft²)		Gel 30 min (lb/100ft²)	Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)		
Calcium (mg/L)	Ca CL (wt%)	Solids (%)	LGS (%)	Sand (%)	Percent Oil (%)	Oil Water Ratio	Electric Stab (V)	MBT (lb/bbl)

Bit Record							
Bit Number	Size	Make	Model	Serial No.	Depth In	Depth Out	Footage
1	12.25	SMITH RR	XRC	PX1549	123.0	700.0	577.0

BHA								
BHA #	Item Number	Component Type	OD	ID	Length	Cumulative Length	Fishing Neck	Top Connection





# Daily Drilling Report

11/19/2012 2:49 PM

## Drilling Parameters

Start Depth (ftKB) 700.0		End Depth (ftKB) 812.0	Cum Depth Drilled (ft) 112.0	Total ROP (ft/hr) 56.00	Drilling Torque	
Motor RPM (rpm)	RPM (rpm)	QGas Inj (ft³/min)	Drilling Time (hr) 2.00	Rotating Time (hr)	Circulation Time (hr)	
Cum Drilling Time (hr) 15.50		SPP (psi)	Flow Rate (gpm) 0.00	TFA (incl Noz) (in²)	Weight on Bit (lbf)	String Wt (lbf)

## Pump Operations

Pump #	Make	Model	Liner Size (in)	Stroke (in)	PMax (psi)
1	NATIONAL	1600	6.000	12.000	
2	MAXUM	1600	6.000	12.000	

## Hydraulic Data

Pump #	Strokes (spm)	QFlow (gpm)	P (psi)	Eff (%)	Slow Pump Rate	Slow Pump Pressure
1	67.000			95.00		
2						

## Survey Data

MD (ft/KB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	EW (ft)	NS (ft)	Method
760.000	0.500		760.000				