

ALLIED CEMENTING CO., LLC. 32698

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge

DATE <i>9-9-12</i>	SEC <i>10</i>	TWP <i>3 1/2</i>	RANGE <i>18 W</i>	CALLED OUT <i>2:30 AM</i>	ON LOCATION <i>4:30 AM</i>	JOB START <i>4:00 PM</i>	JOB FINISH <i>5:00 PM</i>
LEASE <i>High</i>		WELL # <i>1-10 H</i>	LOCATION <i>Buttermilk Rd T 3 E to y, 15</i>	COUNTY <i>Comanche</i>	STATE <i>KS</i>		
OLD OR NEW (Circle one) <u>NEW</u>			<i>around Curve N into</i>				

CONTRACTOR *Patterson #421* OWNER *Tug Hill*

TYPE OF JOB *Intermediate* CEMENT

HOLE SIZE *8 3/4"* T.D. *5800* AMOUNT ORDERED *225 sx class #4 + 5% salt +*

CASING SIZE *7"* DEPTH *5751* *2 bags 3% FL-160 + Defamer*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *1460* MINIMUM

MEAS. LINE SHOE JOINT *41.50*

CEMENT LEFT IN CSG *41.50*

PERFS.

DISPLACEMENT *218 3/4*

EQUIPMENT

PUMP TRUCK CEMENTER *Ron Gilley*

548-555 HELPER *Eddie Piper*

BULK TRUCK

356-250 DRIVER *Scott Priddy / James Bowen*

BULK TRUCK

DRIVER

REMARKS:

See Cement log

830-18 Cement log Cook

HFE 12-0139

COMMON *225 @ 17.90 4,027.50*

POZMIX @

GEL *4 @ 23.40 93.60*

CHLORIDE @

ASC @

FL-160 *63 @ 18.90 1,190.70*

Defamer *31 @ 9.90 303.80*

Salt *6 @ 26.35 158.10*

ASF *12 Bbl @ 58.70 704.40*

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HANDLING *243 @ 2.40 602.40*

MILEAGE *388.50 2.60 1,010.10*

TOTAL *8,090.84*

SERVICE

DEPTH OF JOB *5800*

PUMP TRUCK CHARGE *2,765.15*

EXTRA FOOTAGE @

MILEAGE *35 @ 7.70 269.50*

MANIFOLDS *5 Head @ 275.00*

Light Veh *35 @ 4.40 154.00*

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TOTAL *3,464.25*

7" PLUG & FLOAT EQUIPMENT

1-Rubber Plug @ *99.45*

@

@

@

@

TOTAL *99.45*

SALES TAX (If Any) *408.72*

TOTAL CHARGES *11,654.54*

DISCOUNT IF PAID IN 30 DAYS

\$ 7,575.45

D 4079.09

To Allied Cementing Co., 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 *X Tony Earnest*

SIGNATURE *X Tony Earnest*



Daily Drilling Report

11/19/2012 2:49 PM

Well Information

Well Haley Unit 1-10H			AFE Number 12-0139		Report Date 9/10/2012	
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 FIN/RUN 140 JTS 7" 26# N-80 CSG (5752') WASH F/ 5138 TO 5752 AND LAND CSG HANGER IN WH, CIRC & R/U ALLIED AND CEMENT 7" CSG W/ 225 SX CLASS A CEMENT, MIX WT 15.0 ppg, YLD 1.35 cu ft/sx. PLUG DOWN AT 5:00PM, FLOAT HELD, R/D CEMENTERS, SET & TEST 7" CSG PACK OFF, CLEAN MUD PITS AND FILL W/ WATER, CUT & SLIP DL, P/U DIR. BHA AND FUNCTION TEST, CHANGE OUT TOP DRIVE WEAR SUB.		
24 Hr Forecast TIH W/ DIR. TOOLS AND BIT, TEST 7" CSG, DRILL FLOAT EQUIP. AND DIRECTIONAL DRILL AHEAD		
Operations At Report Time CHANGE OUT TOP DRIVE WEAR SUB		
Daily Total (Cost) \$52277.00	Cum Daily Total (cost) \$1425816.99	Total AFE (Cost) \$0.00

Daily Contacts

Wellsite Supervisor TONY EARNEST	Supervisor Phone 281-833-2373
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Time Log

Start Time	End Time	Hours	Log Start Depth	Log End Depth	Activity Code	Description
6:00	14:00	8.00	5800.0	5800.0	RCSG	FIN/ RUN 7" 26# N-80 LT&C CSG, 140 JTS 5752 AND LAND CSG HANGER IN WH, SHOE SET AT 5752, FC AT 5707, MARKER JT TOP 4,785. WASH CSG IN HOLE F/ 5138 TO 5752
14:00	15:30	1.50	5800.0	5800.0	CMNT	CIRC 7" CSG W/ RIG PUMP
15:30	16:00	0.50	5800.0	5800.0	CMNT	SAFETY MEETING AND R/U ALLIED CEMENTER
16:00	17:00	1.00	5800.0	5800.0	CMNT	CEMENT 7" CSG. PUMP 12 FLUSH + 3 BBLs SPACER AND MIX & PUMP 250 SX CLASS A CEMENT+5% SALT+2% GEL+.3% FL-160+DEFOAMER, MIX WT 15.0 ppg, YLD 1.35 cu ft/sx, RELEASED PLUG AND DISPLACED W/ 220 BBLs WATER, BUMP PLUM W/ 800 psi AND PRESS UP TO 1300, RELEASED PRESS TO FLOAT HELD AT 5:00PM
17:00	18:00	1.00	5800.0	5800.0	CMNT	R/D CEMENTERS
18:00	19:00	1.00	5800.0	5800.0	RCSG	BREAK DOWN FILUP TOOL AND CHANGE OUT ELEV. BAILS AND ELEV.
19:00	23:00	4.00	5800.0	5800.0	TEST	RUN & SET GE 7" CSG. PACK OFF AND TEST TO 5000 psl OK, TRANSFER MUD TO FRAC TANK AND CLEAN MUD PITS
23:00	1:00	2.00	5800.0	5800.0	CSDL	CUT & SLIP DRILL LINE
1:00	4:30	3.50	5800.0	5800.0	DIR	M/U DIR. BHA AND ORIENT TOOL FACE TO MWD AND FUNCTION TEST W/ RIG PUMP. M/U BIT #6, HAL.6 1/8 EM64D, SN 754145 AND RUN IN HOLE W/ 5 DP
4:30	6:00	1.50	5800.0	5800.0	RREP	CHANGE OUT TOP DRIVE WEAR SUB

Mud Checks

Type	Depth (ftKB) 5800.0	Source	Density (lb/gal) 8.350	Funnel Viscosity (s/qt) 27.000	Filtrate (mL/30min)			
HTHP Filtrate (ml/30min)	Mud Lost Hole (bbl) 0.000	Mud Lost (Surf) (bbl) 0.000	PV(cp)	YP (lb/100ft ²)	pH			
Vis 6rpm	Lime (lb/bbl)	Gel 30 min (lb/100ft ²)	Gel 30 min (lb/100ft ²)	Gel 10 sec (lb/100ft ²)	Gel 10 min (lb/100ft ²)			
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
					0.0	In Hole	9,856.0

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) 5800.0		End Depth (ftKB) 5800.0	Cum Depth Drilled (ft) 0.0	Total ROP (ft/hr) #Error	Drilling Torque	
Motor RPM (rpm)	RPM (rpm)	QGas Inj (ft³/min)	Drilling Time (hr) 0.00	Rotating Time (hr)	Circulation Time (hr)	
Cum Drilling Time (hr) 146.50		SPP (psi)	Flow Rate (gpm) 610.00	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	2750.000
2	MAXUM	1600	6.000	12.000	2100.000

Hydraulic Data

Pump #	Strokes (spm)	QFlow (gpm)	P (psi)	Eff (%)	Slow Pump Rate	Slow Pump Pressure
1	50.000	210.000	2750.000	95.00		
2	95.000	400.000	2100.000	95.00		

Survey Data