

ALLIED CEMENTING CO., LLC. 32697

Federal Tax I.D.# 20-5976804

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

SERVICE POINT:
Medicine Lodge

DATE <i>9-7-12</i>	SEC <i>31</i>	TWP. <i>23s</i>	RANGE <i>22W</i>	CALLED OUT AM <i>5:30</i>	ON LOCATION <i>9:30</i>	JOB START <i>4:00</i>	JOB FINISH <i>5:00</i>
LEASE <i>Time</i>	WELL # <i>1-3114</i>	LOCATION <i>E Net more to rd #225, S.E., 1/4</i>			COUNTY <i>Hodgman</i>	STATE <i>Ks</i>	
OLD OR <u>NEW</u> (Circle one)		<i>5/into</i>			<i>1,01</i>	<i>7,45</i>	

CONTRACTOR *Patterson #172*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *855'*

CASING SIZE *9 5/8* DEPTH *855'*

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MBAS. LINE _____ SHOE JOINT *41.58'*

CEMENT LEFT IN CSG. *41.87*

PERFS. _____

DISPLACEMENT *62 3/4 Bbls.*

OWNER *Tug Hill*

CEMENT

AMOUNT ORDERED *200s class "A" + 3% CC + 2% smst 2 1/2 gyp + 1/4" Flo Seal*

150s class "A" + 2% CC

COMMON class "A" <i>250%</i>	<i>17.90</i>	<i>6265.00</i>
POZMIX _____	_____	_____
GEL _____	_____	_____
CHLORIDE _____	<i>10%</i>	<i>64.00</i>
ASC _____	_____	_____
<i>Gyp Seal</i>	<i>4%</i>	<i>97.00</i>
<i>SMs</i>	<i>3%</i>	<i>33.00</i>
<i>Flo Seal</i>	<i>5%</i>	<i>293.00</i>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
HANDLING <i>378 ft</i>	<i>2.48</i>	<i>937.44</i>
MILEAGE <i>17.3 x 35x</i>	<i>2.60</i>	<i>1574.30</i>
<i>6.05.5</i>	TOTAL	<i>10956.44</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Ron Gilley 1*

548-555 HELPER *Eddie Piper 2*

BULK TRUCK

421-252 DRIVER *Bradon Boor 3*

BULK TRUCK

_____ DRIVER _____

REMARKS:

See Cement Log

WELL # *1-3114*

APR No. *12-2117*

ACCT No. *83018*

Signature *John Johnston*

Signature *J.P. Hill*

CHARGE TO: *Tug Hill*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ *2058.50*

EXTRA FOOTAGE _____

MILEAGE *35* @ *7.70* *269.50*

MANIFOLD & Head _____ @ _____ *275.00*

Light Veh. *35* @ *4.40* *154.00*

TOTAL *2757.00*

9 5/8 PLUG & FLOAT EQUIPMENT

1- Rubber Plug @ _____ *184.06*

TOTAL *184.06*

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 John Johnston*

SIGNATURE *X J.P. Hill*

SALES TAX (If Any) *6 1/2 %* *2.90*

TOTAL CHARGES *13,898.30*

DISCOUNT *35%* *4864.40* IF PAID IN 30 DAYS

\$ 9033.90



Daily Drilling Report

12/4/2012 8:49 AM

Well Information

Well Imel Unit 1-31H			AFE Number 12-0147		Report Date 9/8/2012	
Country USA	State KS	County Hodgeman	Field Unknown		Lease 200 FNL 660 FEL	
API / IPO UWI Hodgeman			Orig KB Elev (ft)	Ground Elevation (ft) 2342.0		KB-GRD (ft) -2342.0
Qtr/Qtr, Block, Sec, Town, Range .31,23S,22W				Spud Date 9/6/2012		Rig Release Date 9/23/2012

Daily Operations

24 Hour Summary
 RUN GYRO. CIRC BOTTOMS UP. TOOH. RUN 20 JTS, 9 5/8" CASING, 36 #/FT LTC J-55. CEMENT WITH 200 SX CLASS A CEMENT WITH ADDITIVES. WOC. NIPPLE UP BOP

24 Hr Forecast
 TEST BOP. PICK UP DIRECTIONAL TOOLS. TIH. DRILL CEMENT AND 8 3/4" HOLE.

Operations At Report Time
 TEST BOP

Daily Total (Cost) \$38321.00	Cum Daily Total (cost) \$241469.00	Total AFE (Cost) \$0.00
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Daily Contacts

Wellsite Supervisor JOHN JOHNSTON	Supervisor Phone 580-309-3450
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Time Log

Start Time	End Time	Hours	Log Start Depth	Log End Depth	Activity Code	Description
6:00	6:30	0.50	855.0	855.0	USER	RUN GYRO
6:30	7:00	0.50	855.0	855.0	COND	CIRC BOTTOMS UP
7:00	9:00	2.00	855.0	855.0	TOH	TOH
9:00	9:30	0.50	855.0	855.0	LUBE	RIG SERVICE
9:30	11:00	1.50	855.0	855.0	RCSG	CALIBER CASING SAFETY MEETING; RUN 20 JTS 9 5/8" J-55, 36 #/FT LTC CASING TO 815'
11:00	14:30	3.50	855.0	855.0	RCSG	RUN 20 JTS 9 5/8" J-55, 36 #/FT, LTC CASING TO 815'
14:30	15:00	0.50	855.0	855.0	RCSG	RIG DOWN CASING CREW; RIG UP CEMENT HEAD
15:00	17:00	2.00	855.0	855.0	CMNT	ALLIED CEMENTERS SAFETY MEETING; PUMPED 200SX LEAD CLASS A W/ADDITIVES 11.4PPG AND 150SX CLASS A W/ADDITIVES 15.2PPG TAIL; CIRC
17:00	21:00	4.00	855.0	855.0	WOC	WOC, DRAIN CONDUCTOR, WASH OUT FLOWLINE RIG DON CEMENTERS
21:00	0:30	3.50	855.0	855.0	USER	CUT OFF CONDUCTOR, INSTALL WELLHEAD; CHANGE OUT BALES AND ELEVATORS
0:30	4:00	3.50	855.0	855.0	NUND	BOP RAM SAFETY MEETING, NIPPLE UP BOP
4:00	6:00	2.00	855.0	855.0	TEST	TEST BOP, CHOKE, AND LINES BACK TO PUMPS

Mud Checks

Type	Depth (ftKB) 855.0	Source	Density (lb/gal) 8.300	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) 200.000	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	9,193.0

BHA

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

Drilling Parameters