

ALLIED CEMENTING CO., LLC. 32686

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge
7-17-12

DATE <i>7-16-12</i>	SEC. <i>8</i>	TWP. <i>27</i>	RANGE <i>20</i>	CALLED OUT <i>5:30</i>	ON LOCATION <i>7:30 PM</i>	JOB START <i>2:00 AM</i>	JOB FINISH <i>3:00 AM</i>
LEASE <i>Einzel</i>		WELL # <i>1-8 H</i>	LOCATION <i>Mullinville Ks, 5N, 2W, 2N</i>		COUNTY <i>Kiowa</i>	STATE <i>Ks.</i>	
OLD OR NEW (circle one)		<i>to C.C. go E of Red Gate, NW into</i>		<i>1:01</i>	<i>7:3</i>		

CONTRACTOR *Patterson #172* OWNER *Tug Hill*

TYPE OF JOB *SwiFace*

HOLE SIZE *12 1/4* T.D. *906*

CASING SIZE *9 5/8* DEPTH *875*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *700* MINIMUM

MEAS. LINE SHOE JOINT *41:32*

CEMENT LEFT IN CSG. *41:32*

PERFS.

DISPLACEMENT *66.67*

CEMENT
AMOUNT ORDERED *200 1/4" 132 cc + 22.5 SM + 2%*
6 1/4" #2 flo seal
150 sx ches A + 22.00

COMMON	<i>350 sx</i>	@	<i>16.25</i>	<i>5687.50</i>
POZ MIX		@		
GEL		@		
CHLORIDE	<i>10 sx</i>	@	<i>58.20</i>	<i>582.00</i>
ASC		@		
	<i>Gypseal 4 sx</i>	@	<i>34.20</i>	<i>136.80</i>
	<i>SMs 326</i>	@	<i>3.00</i>	<i>1128.00</i>
	<i>Flo seal 50th</i>	@	<i>2.70</i>	<i>135.60</i>
		@		
		@		
		@		
		@		
HANDLING	<i>378</i>	@	<i>2.10</i>	<i>793.80</i>
MILEAGE	<i>605.235</i>			<i>1422.93</i>
				<i>TOTAL 9886.03</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Ron Gilley 1*

518-545 HELPER *Eddie Piper 2*

BULK TRUCK

471-553 DRIVER *Troy Lanz 3*

BULK TRUCK

DRIVER

REMARKS:
See Cement log

Thanks

CHARGE TO: *Tug Hill*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB *906'*

PUMP TRUCK CHARGE *906'* *1,125.00*

EXTRA FOOTAGE *606'* @ *95* *575.70*

MILEAGE *35* @ *7.00* *245.00*

MANIFOLD & Head *200.00*

Light Veh. *35* @ *4.00* *140.00*

TOTAL *2,285.70*

9 5/8 PLUG & FLOAT EQUIPMENT

1 Rubber Plug @ *158.00*

TOTAL *158.00*

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 Curtis TURNER*

SIGNATURE *X Curtis Turner* *7-17-12*

SALES TAX (If Any) *571.39*

TOTAL CHARGES *12329.78*

DISCOUNT *4315.08* IF PAID IN 30 DAYS

NET *8013.70*



Daily Drilling Report

11/19/2012 9:41 AM

Well Information

Well Einsel 1-8H		AFE Number 12-0121		Report Date 7/17/2012	
Country USA	State KS	County Kiowa	Field Martin		Lease 200' FSL 660' FWL/SW SW
API / IPO UWI Kiowa		Orig KB Elev (ft)		Ground Elevation (ft) 2297.0	KB-GRD (ft) -2297.0
Qtr/Qtr, Block, Sec, Town, Range .8,27S,20W				Spud Date 7/15/2012	Rig Release Date 8/19/2012

Daily Operations

24 Hour Summary
work on flowline, rig service, Drill f/ 581'-906', td @ 906' @ 1:00pm, make wiper trip, TOOH, RIG UP CASERS, HELD SAFETY MEETING, RUN 21 JOINTS OF 9 5/8" 36# J-55 LT&C CASING & SET AT 892' KB, RIG DOWN CASERS, HELD SAFETY MEETING W/ CEMENTERS. RIG UP ALLIED CEMENTERS & PUMP 200 sks, of 2% sms + 2% gyp + 1/4# floseal, tail in w/ 150 sks of class A cement + 2% cc, displaced w/ 67 bbls of water. plug down @ 3:00 am... full returns to surface, 30 bbls of cement to surface to pits. Rig down cementers, rig up Vaughn energy and run GYRO., gyro didnt show deviation that survey tool showed. Gyro showed deviation @ 1.74 degree @ 848'. rig down Gyro. cutoff and weld on casing head.

24 Hr Forecast
finish welding on casing head, Nipple up BOP & test, Pickup BHA and drillout

Operations At Report Time
welding on casing head

Daily Total (Cost) \$78929.00	Cum Daily Total (cost) \$377534.00	Total AFE (Cost) \$0.00
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Daily Contacts

Wellsite Supervisor Curtis Turner	Supervisor Phone 713-821-3941
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Time Log

Start Time	End Time	Hours	Log Start Depth	Log End Depth	Activity Code	Description
6:00	7:30	1.50	581.0	581.0		work to unplug flowline
7:30	8:00	0.50	581.0	581.0		rig service
8:00	9:00	1.00	581.0	750.0		drilling
9:00	9:30	0.50	750.0	750.0		wireline survey @ 750. 1.5 degree
9:30	12:00	2.50	750.0	906.0		drilling
12:00	12:30	0.50	906.0	906.0		wireline survey @ 906'. 2.9 degree
12:30	13:00	0.50	906.0	906.0		pump sweep and circ
13:00	15:30	2.50	906.0	906.0		make wiper trip
15:30	16:00	0.50	906.0	906.0		circulate
16:00	19:00	3.00	906.0	906.0		TOOH to run casing
19:00	20:00	1.00	906.0	906.0		rig up casers & laydown truck, Held safty meeting
20:00	0:30	4.50	906.0	906.0		run 21 jnts of 9 5/8" casing.. set @ 892' kb
0:30	1:00	0.50	906.0	906.0		rig down casers.
1:00	1:30	0.50	906.0	906.0		rig up cementers
1:30	3:00	1.50	906.0	906.0		cement 9 5/8" surface casing
3:00	3:30	0.50	906.0	906.0		rig down cementers
3:30	4:00	0.50	906.0	906.0		rig up Vaughn and RUN GYRO.
4:00	6:00	2.00	906.0	906.0		Cutoff conductor. weld on casing head.
6:00	6:00	0.00	906.0			

Mud Checks

Type water based	Depth (ftKB) 750.0	Source	Density (lb/gal) 8.900	Funnel Viscosity (s/qt) 32.000	Filtrate (mL/30min) 32.000			
HTHP Filtrate (ml(30min))	Mud Lost Hole (bbl)	Mud Lost (Surf) (bbl)	PV(cp) 3.000	YP (lb/100ft²) 7.000	pH 9.700			
Vis 6rpm	Lime (lb/bbl) 0.050	Gel 30 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Gel 10 sec (lb/100ft²) 5.000	Gel 10 min (lb/100ft²) 10.000			
Calcium (mg/L) 80.000	Ca CL (wt%)	Solids (%) 3.500	LGS (%)	Sand (%)	Percent Oil (%)	Oil Water Ratio 96.500	Electric Stab (V)	MBT (lb/bbl)

Bit Record

BHA



Daily Drilling Report

11/19/2012 9:41 AM

Drilling Parameters

Start Depth (ftKB) 581.0	End Depth (ftKB) 906.0	Cum Depth Drilled (ft) 325.0	Total ROP (ft/hr) 92.86	Drilling Torque	
Motor RPM (rpm)	RPM (rpm) 110.00	QGas Inj (ft ³ /min)	Drilling Time (hr) 3.50	Rotating Time (hr)	Circulation Time (hr)
Cum Drilling Time (hr) 9.50	SPP (psi)	Flow Rate (gpm) 0.00	TFA (incl Noz) (in ²)	Weight on Bit (lbf) 25.00	String Wt (lbf)

Pump Operations

Hydraulic Data

Survey Data