

ALLIED OIL & GAS SERVICES, LLC 053876

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge, KS

DATE <i>08-17-12</i>	SEC. <i>08</i>	TWP. <i>27s</i>	RANGE <i>20w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Einsel</i>	WELL <i>01-8H</i>	LOCATION <i>Mullinville, Sw, 2K w, 2s, n/w 1/4</i>			COUNTY <i>Ford</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)				<i>1.06</i>	<i>7.95</i>		

CONTRACTOR *Patterson UTI #172* OWNER *Tughill*

TYPE OF JOB *Production Line*

HOLE SIZE *6 7/8* T.D. _____

CASING SIZE *4 1/2* DEPTH *9579*

TUBING SIZE _____ DEPTH _____

DRILL PIPE *4"* DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX *3300* MINIMUM _____

MEAS. LINE _____ SHOE JOINT *40'*

CEMENT LEFT IN CSG. *40'*

PERFS. _____

DISPLACEMENT *114 Bbls Fresh H₂O*

CEMENT AMOUNT ORDERED *450sx Class H + 3# Kalcal + 1% FL-160 + .25% SA-51 + 1% C-20 + Deformax*

EQUIPMENT

PUMP TRUCK CEMENTER *D. Felio* /

548-545 HELPER *D. Franklin* /

BULK TRUCK DRIVER *B. Boor* *3*

561-553

BULK TRUCK # _____ DRIVER _____

COMMON <i>class H</i>	<i>450.00</i>	<i>19.25</i>	<i>8662.50</i>
POZMIX	_____	_____	_____
GEL	_____	_____	_____
CHLORIDE	_____	_____	_____
ASC	_____	_____	_____
<i>Kalcal</i>	<i>1850</i>	<i>1.89</i>	<i>1201.50</i>
<i>SA-51</i>	<i>1078</i>	<i>15.95</i>	<i>16742.50</i>
<i>C-20</i>	<i>424</i>	<i>4.10</i>	<i>1722.00</i>
<i>FL-160</i>	<i>425#</i>	<i>17.20</i>	<i>7310.00</i>
<i>Deformax</i>	<i>63#</i>	<i>8.90</i>	<i>560.70</i>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
HANDLING <i>492.6</i>	<i>4.75</i>	<i>2.10</i>	<i>1034.46</i>
MILEAGE <i>25.35</i>	<i>2.11</i>	_____	<i>1021.25</i>
TOTAL			<i>22477.35</i>

REMARKS:
See Job Log

Set tool at 3100', Pump 450sx cement, Disp. w/ 114 Bbls, Reverse out w/ 140 Bbls Circ. Approx 20 Bbls cement

FHX

CHARGE TO: *Tughill*

STREET _____

CITY _____ STATE _____ ZIP _____

Code # 830.18
AFF # 12-0121

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 *CURTIS TURNER*

SIGNATURE *[Signature]*

SERVICE

DEPTH OF JOB *9579'*

PUMP TRUCK CHARGE *4950.00*

EXTRA FOOTAGE _____

MILEAGE *75* @ *7.00* *245.00*

MANIFOLD *N/A* @ _____

Light Vehicle *35* @ *4.00* *140.00*

TOTAL *5335.00*

PLUG & FLOAT EQUIPMENT

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

TOTAL _____

SALES TAX (if Any) *1556.74*

TOTAL CHARGES *27772.35*

DISCOUNT *35* *9720.32* IF PAID IN 30 DAYS

Net 18052.03



Daily Drilling Report

11/19/2012 9:41 AM

Well Information						
Well Einsel 1-8H			AFE Number 12-0121		Report Date 8/17/2012	
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 FINISH 2ND WIPER TRIP IN THE HOLE, PUMP SWEEP, CIRC 2 BOTTOMS UPS. PUMP LUBE PILL, TOH, RIG UP CALIBER CASING CREW, HELD SAFETY MEETING, PICKUP 116 JOINTS OF 4 1/2" 11.6# N-80 4429' OF LINER, 8 STANDS OF DRILLPIPE, 20 STANDS OF HEAVY WEIGT DRILLPIE, THEN DP.		
24 Hr Forecast RUN 4 1/2" LINER TO BOTTOM @ 9578' HANG LINER & CEMENT		
Operations At Report Time TRIP IN HOLE W/ 4 1/2" 11.6# N-80 LINER		
Daily Total (Cost) \$155186.00	Cum Daily Total (cost) \$2172502.00	Total AFE (Cost) \$0.00

Daily Contacts	
Wellsite Supervisor CURTIS TURNER	Supervisor Phone 713-821-3942

Time Log						
Start Time	End Time	Hours	Log Start Depth	Log End Depth	Activity Code	Description
6:00	9:00	3.00	9578.0	9578.0	COND	PUMP SWEEP, CIRC 2 BU, PUMP LUBE PILL
9:00	13:30	4.50	9578.0	9578.0	TOH	TRIP OUT OF HOLE
13:30	15:00	1.50	9578.0	9578.0	CSDL	CUT DRILLING LINE
15:00	15:30	0.50	9578.0	9578.0	LUBE	RIG SERVICE
15:30	19:30	4.00	9578.0	9578.0	TOH	TOH TO PICKUP LINER
19:30	4:30	9.00	9578.0	9578.0	RCSG	RIG UP CASERS & PICKUP 4 1/2 LINER
4:30	6:00	1.50	9578.0	9578.0	TIH	TIH W/ HEAVY WEIGHT DRILLPIPE

Mud Checks								
Type WATER	Depth (ftKB) 9578.0	Source SUCTION	Density (lb/gal) 8.600	Funnel Viscosity (s/qt) 31.000	Filtrate (mL/30min)			
HTHP Filtrate (ml/30min)		Mud Lost Hole (bbl) 0.000	Mud Lost (Surf) (bbl) 0.000	PV(cp) 2.000	YP (lb/100ft²) 4.000	pH 8.400		
Vis 6rpm	Lime (lb/bbl)	Gel 30 min (lb/100ft²)		Gel 30 min (lb/100ft²)	Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000		
Calcium (mg/L) 120.000	Ca CL (wt%)	Solids (%) 1.400	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	9,578.0	

BHA								
BHA # 9	Item Number	Component Type	OD	ID	Length	Cumulative Length	Fishing Neck	Top Connection

Drilling Parameters							
Start Depth (ftKB) 9578.0		End Depth (ftKB) 9578.0		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) 390.50		SPP (psi)	Flow Rate (gpm) 481.00		TFA (incl Noz) (in²)	Weight on Bit (lbf)	String Wt (lbf)

Pump Operations



Daily Drilling Report

11/19/2012 9:41 AM

Well Information

Well Einsel 1-8H		AFE Number 12-0121		Report Date 8/18/2012	
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
 Ran 116 joints of 4.5 11.6# N-80 LINER, SET SHOE @ 9575', AND TOP OF LINER @ 5112'.
 CIRCULATE, RIG UP ALLIED CEMENTERS, HELD SAFETY MEETING, CEMENT 4.5" LINER W/ 450SX, (112 BBLs.) OF CLASS H 13.8#, + 3# PER SACK
 KOLSEAL, 1% FL-160, 0.25% SA51, 0.1% C20 + 0.14%, DISPLACED W/ 114 BBL, SET LINER, CIRC. 15 BBLs OF CEMENT TO SURFACE, RELEASE LINER,
 TEST LINER TO 1500# (HELD). RIG DOWN CEMENTERS, RIG UP LAYDOWN MACHINE. LAYDOWN DRILLPIPE, HEAVY WEIGHT DRILLPIPE. RIGDOWN
 LAYDOWN MACHINE. RIG UP BOP RAM AND NIPPLE DOWN. PRESENT OPERATIONS- NIPPLE DOWN BOP

24 Hr Forecast Start RDMO		
Operations At Report Time Reporting RDMO started		
Daily Total (Cost) \$58804.00	Cum Daily Total (cost) \$2231306.00	Total AFE (Cost) \$0.00

Daily Contacts

Wellsite Supervisor CURTIS TURNER	Supervisor Phone 713-821-3942
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Time Log

Start Time	End Time	Hours	Log Start Depth	Log End Depth	Activity Code	Description
6:00	9:00	3.00	9578.0	9578.0	RCSG	run 4.5" liner
9:00	10:00	1.00	9578.0	9578.0	COND	circulate
10:00	14:00	4.00	9578.0	9578.0	CMNT	cement 4.5" liner and rigdown
14:00	20:30	6.50	9578.0	9578.0	POOH	laydown dp
20:30	23:00	2.50	9578.0	9578.0	TIH	trip in hole w/ pipe left in derrick
23:00	5:00	6.00	9578.0	9578.0	POOH	laydown dp
5:00	6:00	1.00	9578.0	9578.0	NUND	nipple down
6:00	6:00	0.00				

Mud Checks

Type water	Depth (ftKB) 9578.0	Source suction	Density (lb/gal) 8.600	Funnel Viscosity (s/qt) 29.000	Filtrate (mL/30min)			
HTHP Filtrate (ml/30min)	Mud Lost Hole (bbl)	Mud Lost (Surf) (bbl)	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	9,578.0

BHA

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Cum Drilling Time (hr) 390.50	SPP (psi)	Flow Rate (gpm) 481.00	TFA (incl Noz) (in ²)	Weight on Bit (lbf)	String Wt (lbf)