## **INVOICE**



DATE	INVOICE #
10/15/2012	3502

**BILL TO** 

TUG HILL OPERATING 550 BAILEY AVE, SUITE 510 FORT WORTH, TX 76107 **REMIT TO** 

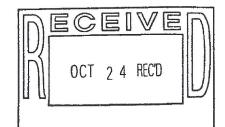
EDGE SERVICES, INC. PO BOX 14201 OKLAHOMA CITY, OK 73113

	COUNTY	STARTING D	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
-	HODGEMAN,	10/15/2012	2846	PATTERSON #172	HAHN 1-15 H	Due on rec

Description

DRILLED 100' OF 30" CONDUCTOR HOLE
DRILLED 8' OF 76" HOLE
FURNISHED AND SET 8' X 6' TINHORN CELLAR
FURNISHED 100' OF 20" CONDUCTOR PIPE
DRILLED MOUSE HOLE
FURNISHED 73' OF 16" CONDUCTOR PIPE

TOTAL BID \$20,000.00



Well Name Hahn 1-15H
AFE No. 12-0160
ACCNT No. 840.05
Name Chase Bender
Signature Charles

Sales Tax (7.45%)

\$383.46

Thank you for your business.

**TOTAL** 

\$20,383.46

Well Starting:

Hahns Inc 1-15H

Well Ending:

T

\*

Hahns Inc 1-15H

View Report

Report Date Starting:

8/10/2012 12:00:00 AM



Report Date Ending:

12/29/2012 12:00:00 AM

AFEList:

12-0160

4









4

## aily Drilling Report

5/7/2013 12:48 PM

**Well Information** 

Well Hahns Inc 1-15H AFE Number 12-0160

Report Date 10/16/2012

Country USA

State KS

of 5

County Hodgeman Field Unknow n

226 FNL 660 FEL

API / IPO UWI Hodgeman

Qtr/Qtr, Block, Sec, Town, Range

Orig KB Elev(ft)

Ground Elevation (ft) 2344.0 Spud Date

2/18/2013

KB-GRD (ft) -2344.0 Rig Release Date 3/6/2013

,15,22S,23W

**Daily Operations** 

24 Hour Summary Drilled and cemented conductor; Used 225 sacks of cement.

Drill and cement mouse hole.

Operations At Report Time

Reporting.

Daily Total (Cost) \$55,944.00

Cum Daily Total (cost) \$108,562.00

Total AFE (Cost) \$0.00

Hole Condition

**Daily Contacts** 

Wellsite Supervisor Chase Bender

Supervisor Phone 501-733-3139

**Time Log** 

**Mud Checks** 

Туре

Depth (ftKB)

Source

Density (lb/gal)

Funnel Viscosity (s/qt)

Filtrate (mL/30min)

HTHP Filtrate (ml(30min)

Mud Lost Hole (bbl)

Mud Lost (Surf) (bbl)

PV(cp)

YP (Ibf/100ft2)

рН

Vis 6rpm

Lime (lb/bbl)

Gel 30 min (lbf/100ft²)

Gel 30 min (lbf/100ft²)

Gel 10 sec (lbf/100ft²)

Gel 10 min (lbf/100ft²)

Calcium (mg/L)

Ca CL (wt%)

Solids (%)

LGS (%)

Sand (%)

Percent Oil (%)

Oil Water Ratio

Electric Stab (V)

MBT (lb/bbl)

Bit Record

BHA

**Drilling Parameters** 

Start Depth (ftKB)

End Depth (ftKB)

Cum Depth Drilled (ft)

Total ROP (ft/hr) #Error

Drilling Torque

Motor RPM (rpm)

RPM (rpm)

QGas Inj (ft³/min)

Drilling Time (hr)

Rotating Time (hr)

Circ. Time (hr)

Cum Drilling Time (hr) 0.00

SPP (psi)

0.00 Flow Rate (gpm)

0.00

TFA (incl Noz) (in²)

Weight on Bit (lbf)

String Wt (lbf)

**Pump Operations** 

Hydraulic Data

**Survey Data** 

Page 4/5

Report Printed 5/7/2013 12:48 PM