

Magna Energy Services, LLC
17509 County Road 14
Ft. Morgan, CO 80701
(970) 867-9007
Fax (970) 867-8374

Job Log

Date: 7/9/13

Operator: Noble Energy

Well Name: Heckendorf 01

Legal Location: NENE SEC14 T1S R66W

API # 05-001-06670-00

6/27/13: MIRU, P & A equipment, check PSI, Tbg 500#'s, csg, 650#'s, Blow well down, Pump 40 bbls of water down Csg, 25 bbls of water down tbg, ND well head, NU B.O.P's , TOO H w/ tbg, (recovered 248 jts of 2 3/8 tbg @ 7980') RU Magna WL, RIH w/ JBGR @ 7970', ROH, RIH w/ CIBP set @ 7938', ROH, RIH w / CDB w/ 2 sxs of 15.8 # Class G Cement on top of CIBP @ 7938', ROH, RD Magna WL, SWI.

6/28/13: Check PSI, 0 PSI, RU JW WL, RIH w/ CBL, stacked out @ 3800', ROH, P.U. bit & scraper, TIH w/ tbg @ 5142', circulate wellbore w/ 45 bbls water, heavy mud, Try to TIH, stacked out, circulate wellbore clean w/ 60 bbls water (heavy mud & shale), TOO H w/ tbg, SWI.

7/1/13: Check PSI, 0 PSI, TIH w/ tbg @ 5529', Tag heavy mud, circulate 3 jts down to @ 5625', circulate wellbore clean w/ bbls water, TOO H w/ tbg, SWI.

7/2/13: Check PSI, 0 PSI, RU JW WL, RIH w/ JBGR @ 3100', ROH, TIH w/ tbg @ 3153', circulate wellbore w/ 40 bbls water, TIH w/ tbg @ 3727', circulate wellbore clean w/ 60 bbls water, TOO H w/ tbg, RIH w/ CIBP @ 3100', ROH, RD JW WL, TIH w/ tbg @ 3727', establish circulation w/ 15 bbls water, mix & pump 12 sxs of 15.8# Class G Cement, displaced w/ 12 bbls water, TOO H w/ tbg, SWI.

7/3/13: Check PSI, 0 PSI, TIH w/ tbg, Tag TOC @ 3712', circulate wellbore clean w/ 80 bbls water, TOO H w/ tbg, RU JW WL, RIH w/ squeeze gun @ 3330', couldn't get down, ROH, RD JW WL, TIH w/tbg @ 3712', established circulation, mix & pump 25 sxs of 15.8 # Class G Cement, displaced w/ 12 bbls water, TOO H w/ tbg, SWI.

7/8/13: Check PSI, 0 PSI, TIH w/ tbg, Tag TOC @ 3615', Pump 60 bbls water to circulate wellbore, never got circulation, TOO H w/tbg @ 2600', circulate wellbore clean w/ 40 bbls water, TOO H w/ tbg, RU JW WL, RIH w/ squeeze gun @ 2500', ROH, RIH w/ CIBP @ 2440', SET, ROH, RD JW WL, TIH w/ stinger, sting into CIBP, establish injection rate 15 bbls water @ 200 PSI., mix & pump 50 sxs of 15.8# of Class G Cement 40 sxs thru & 10 sxs on top of CIBP displaced w/ 8 bbls water, TOO H w/ tbg, RU JW WL, RIH w/ CIBP @ 1250', ROH, RD JW WL, TIH w/ tbg @ 1250', mix & pump 20 sxs of 15.8# Class G Cement, TOO H w/tbg, SWI.

7/9/13: Check PSI, 0 PSI, RU JW v. , RIH, w/ collar buster @ 766', cut, ROT., RD JW WL, ND B.O.P.'s, unland csg, NU B.O.P.'s, LD 28 jts of 4.5 15.1# @ 766' , recovered csg, TIH, w/tbg @ 792', break circulation w/ 10 bbls water, mix & pump 520 sxs of 15.8# Class G Cement, lost circulation @ 360 sxs of 15.8# Class G Cement, TOOH w/ tbg, SWI.

7/10/13: Check PSI, 0 PSI, TIH w/ tbg, Tag TOC@ 60' from surface, mix & pump 20 sxs of 15.8# Class G cement to surface, TOOH w/tbg, Flush flowline w/ 3 bbls water, ¼ bbl cement. Dig well & flowline 6' below ground surface, Cut & cap , backfill. P & A complete.

*** All cement used is Class "G" Neat 15.8 # ***

Cementing Contractor: Magna Energy Services, LLC

Cementing Contractor Supervisor: Scott Marez

Operator Supervisor: Kelly Reinhardt

COGCC Representative: Jim Precup

Wireline Contractor: Magna Energy Services, LLC , JW Wireline Co.

[illegible]



WIRELINE PROCEDURE LIST



JUNE 27th, 2013

HECKENDORF 01

COMMENTS

TIME IH	ACTION	TIME OH
16:40	IH w/ JBGR to 7,970'	17:30
17:35	IH w/ CIBP to 7,960'. Set @ 7,938'	18:35
18:45	IH w/ CDB & 2sx of 15.5 # cement to 7,938'.	19:50
	<u>Estimated Fluid Level @ 5,450'</u>	

UNCLASSIFIED



1-877-457-0013
wireline@lwenergy.com
<http://www.lwenergy.com/l-w-wireline-company>

Date:	07/09/2013
SO No:	07-19-015672-0007
District:	Stirling, CO
Truck No:	A-2829
Crane:	
Crew:	
Cliff Kaiser - COMPLETIONS ENGINEER 1	
Lucas Unrein - OPERATOR 1	
Billy Vandagriff - OPERATOR 2	

JOB DATA

Casing Size/Weight: /		TD of Casing:	From (depth) ft:	To (depth) ft:
Tubing Size/Weight: /		TD of Tubing:	From (depth) ft:	To (depth) ft:
Well Deviation:	Fluid Level:	Fluid Type:	Fluid Density:	Fluid Salinity:
BH Pressure:	WH Pressure:	BH Temp:		
Section/Township/Range:		Lat/Long: /	X/Y Coordinates: /	
Log Measured from:		Log Interval:		
Arrival Time @ 7/9/2013 7:30 AM		Departure Time @ 7/9/2013 9:00 AM	Total Job Time: 01:30	
Well to JW @ 7/9/2013 6:00 AM		Well to Customer @ 7/9/2013 10:30 AM	Total Operating Time: 04:30	

SERVICE ORDER DETAILS

Item #	Service Code	Description	Qty/Depth	Unit Price	Per	Line Total	Cust. Price
1	WLE8-0009	Website Setup Charge	6000				
2	WLE1-0001	Blwire *** Non-discountable Items ***	1	\$1,500.00			
3	WLE8-0018	Environmental Fee	1				
4	WLE1-0002	Custom Item - No Discount	0	\$1,500.00			

		Total Discountable Items:	
		Discount:	
		Discountable SubTotal:	
		Total Non-Discountable Items:	\$250.00
		Sales Tax: (0.00 %)	\$0.00
		Grand Total:	

The undersigned ("Company") agrees to pay J-W Wireline Company ("Contractor") for the operations to be conducted, or personnel or equipment listed above ("Services") at P.O. Box 226408, Dallas, Texas 75222-6408. The Services shall only be provided according to the Contractor's general terms and conditions ("Terms") as contained in part on the other side of this Purchase Order and as more fully set forth at www.jwenergy.com/pages/wireline-terms and upon request. THESE TERMS CONTAIN PROVISIONS RELATING TO INDEMNITY, RELEASE OF LIABILITY, LIMITATION OF WARRANTY AND ALLOCATION OF RISK.

LIMITATION OF WARRANTY AND ALLOCATION OF RISK.		
Print Name	Signature	Date