

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11300
LOCATION WCR 104+111
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE <u>1-14-13</u>	WELL NAME <u>CASTOR FEDERAL LC23-62HN</u>	SECTION <u>13</u>	TWP <u>9N</u>	RGE <u>59W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>H&P Rig 322</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>11:15 pm.</u>			TIME LEFT LOCATION <u>6:15 am.</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>682</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 634.91</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>648.68</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lb.</u>	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
<u>TPWLJ 677.68</u>			<input type="checkbox"/> SOEEZE CEMENT		FINAL BPM
PRESSURE SUMMARY			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40.8
MINIMUM psi					

INSTRUCTIONS PRIOR TO JOB Safety Meeting, Rig up, CIRC 50 bbls H₂O with KCL + Dye 16 in 2nd 10 bbls, Mix + pump tell good Dye is seen at 15.2 lbs. 1.27 yield, Drop Plug, Displace 49 bbls. H₂O, Bump plug at 150 Psi, over Lift Psi, Wait 5 min. then bleed off Psi, Washup, Rig down,

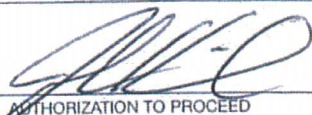
JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 2:10 am, CIRC 3:53 am, Cement 4:06 am to 4:28 am.

Drop Plug 4:32 am, Displace 4:33 am
10 bbls. 230 Psi 4:40 am, 5.0 bbls/m
20 bbls. 310 Psi 4:43 am 5.0 bbls/m
30 bbls. 340 Psi 4:45 am 5.0 bbls/m
40 bbls. 330 Psi 4:47 am 5.0 bbls/m
49 bbls 250 Psi 4:51 am 1.0 bbls/m
Bump Plug 400 Psi at 4:51 am

USED 5% EXCESS = 321 SKS, 72.6 bbls Slurry

5 bbls Slurry to the Pit



CO-MAN
TITLE

1-14-13

DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.