

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9575  
LOCATION WCR 95+136  
FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-14-11	HEATH PC GK 02-07	2	11N	61W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade Rig 21</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:45 am.</u>	TIME LEFT LOCATION <u>8:45 pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1216</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>POTD 1165.85</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>1209.28</u>	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION <u>Good</u>		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM

PRESSURE SUMMARY					
BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM		
FINAL DISPLACEMENT psi	15 MIN SIP psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM		
ANNULUS psi	5 MIN SIP psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM		
MAXIMUM psi	15 MIN SIP psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM		
MINIMUM psi		<input type="checkbox"/> MISC PUMP			
		<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8		

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, per Company Man, psi check 1000 psi, CIRC 50 bbls H<sub>2</sub>O, TACKL, Mix + pump Lead at 19% EXCESS = 275 SKS. 82.77 bbls SLURRY to COVER 945' at 13.1 lbs 1.69 yield, Tail at 0% EXCESS = 100 SKS 22.61 bbls SLURRY to COVER 271' + SHOE at 15.2 lbs 1.27 yield, Drop plug, Displace 74.2 bbls H<sub>2</sub>O, Bump plug at 500 psi, OVER Lift psi, Wait 5 min. then bleed off psi, Wash up, Rig down, H<sub>2</sub>O tested good, We have 600 SKS CEMENT, 15 QTS KCL

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 5:54 pm, CIRC 6:38 pm, Cement 6:47 pm to 7:13 pm

Drop plug 7:16 pm, Displace 7:17 pm 50 bbls 350 psi 7:31 pm 70 bbls / min  
10 bbls 250 psi 7:20 pm 70 bbls / min 60 bbls 410 psi 7:34 pm 70 bbls / min  
20 bbls 250 psi 7:22 pm 70 bbls / min 70 bbls 410 psi 7:38 pm 40 bbls / min  
30 bbls 250 psi 7:27 pm 70 bbls / min 742 bbls 390 psi 7:42 pm 10 bbls / min  
40 bbls 300 psi 7:29 pm 70 bbls / min

Bump Plug 890 psi at 7:42 pm

USED 275 SKS Lead 12.1 lbs 1.69 yield

100 SKS Tail 15.2 lbs 1.27 yield

Left with 225 SKS CEMENT 10 QTS KCL

19 bbls Slurry to the Pit

mc l w

AUTHORIZATION TO PROCEED

Co Rep

TITLE

1-14-11

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