

# 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 # 9287  
LOCATION WCR 49+32  
FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-26-10	LDS D 20-300	17	3N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:50</u>	TIME LEFT LOCATION <u>1:00 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>650</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBD 603.88</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>645.98</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

### PRESSURE SUMMARY

BREAKDOWN or CIRCULATING psi	AVERAGE psi		
FINAL DISPLACEMENT psi	ISIP psi		
ANNULUS psi	5 MIN SIP psi		
MAXIMUM psi	15 MIN SIP psi		
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, CIRC 40 bbls H<sub>2</sub>O with KCL + Dye 10 in 2" 10 bbls, Mix + pump tell Dye is seen then pump tub + 5 bbls slurry at 15.2 lbs 1.27 yield, Drop plug, Displace 38.4 bbls H<sub>2</sub>O, Bump plug at no more than 150 Psi over lift Psi, Wait 5 min. then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O tested good, WE HAVE 700 SACKS CEMENT, 32 oz. Dye, 10 QTS KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 11:08 pm, CIRC 11:37 pm, CEMENT 11:46 pm  
Drop plug 12:06 am, Displace 12:09 am

10 bbls 280 Psi 12:12 am 7.0 bbls/m  
20 bbls 400 Psi 12:14 am 7.0 bbls/m  
30 bbls 510 Psi 12:16 am 6.0 bbls/m  
38.4 bbls 270 Psi 12:19 am .8 bbls/m

Bump Plug 410 Psi at 12:19 am Psi held for 5 min  
USED 0% EXCESS = 212 SACKS, 47.9 bbls SLURRY  
Left with 488 SACKS CEMENT, 22 oz Dye, 6 QTS KCL  
5 bbls SLURRY TO THE P.T

[Signature]  
AUTHORIZATION TO PROCEED

TITLE

9-26-10

DATE