

# BISON OIL WELL CEMENTING INC.



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REF VOICE # 9563  
LOCATION WCR 47+39 1/2  
FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-17-10	ARISTOCRAT PC H 11-07	11	3N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>2:45 am</u>	TIME LEFT LOCATION <u>7:45 am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>763</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 715.26</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUDING		
CASING DEPTH <u>758.64</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			[X] SURFACE PIPE		
			[ ] PRODUCTION CASING		
			[ ] SQUEEZE CEMENT		
			[ ] ACID BREAKDOWN		
			[ ] ACID STIMULATION		
			[ ] ACID SPOTTING		
			[ ] MISC PUMP		
			[ ] OTHER		
			BREAKDOWN BPM		
			INITIAL BPM		
			FINAL BPM		
			MINIMUM BPM		
			MAXIMUM BPM		
			AVERAGE BPM		
			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, Psi check 500 Psi, Cier 40 bbls H<sub>2</sub>O with KCL + Dye x 16 in 2nd 10 bbls, Mix + pump till is seen then pump tub only at 15.2 lbs 1.2 T/mil, Drop plug, Displace 45.5 bbls H<sub>2</sub>O, Bump plug at 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 650 SACKS CEMENT, 32 oz Dye, 12 Qt's KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 6:04 am, Psi check to 875 Psi 6:17 am, Cier 6:21 am, Cement 6:28 am to 6:45 am, Drop plug 6:48 am, Displace 6:49 am, 10 bbls 280 Psi 6:51 am, 7.0 bbls/lm, 20 bbls 320 Psi 6:53 am, 7.0 bbls/lm, 30 bbls 410 Psi 6:55 am, 7.0 bbls/lm, 40 bbls 490 Psi 6:56 am, 4.5 bbls/lm, 4.55 bbls 300 Psi 6:59 am, 1.0 bbls/lm, Bump Plug 460 Psi at 6:59 am Psi held for 5 min, Aug Cement 4.29 bbls/lm, USED 30% EXCESS = 323 SACKS, 73 bbls Slurry, Left with 377 SACKS CEMENT, 16 oz Dye, 8 Qt's KCL, 12 bbls Slurry TO THE P.T.

T. J. ... AUTHORIZATION TO PROCEED ... TITLE ... DATE 12-17-10