

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8976
LOCATION Hwy 85+28
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-26-10	MECKS L 30-22	30	3N	66W	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>3:40pm.</u>	TIME LEFT LOCATION <u>7:30pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>623.9</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 565.83</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 7/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>608.07</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	
			<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 36 bbls H₂O with KCL + Dye 10 in 2nd 10 bbls Mix + pump 30% Excess = 264 Sacks cement, 59.71 bbls slurry at 15.2 lbs. 1.27 yield or tell Dye is seen then pump Tub + 10 bbls slurry, Drop plug, Displace 36 bbls H₂O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5 min. then bleed off Psi, Washup, Rig down, H₂O tested OK, We have 650 Sacks cement, 26 oz. Dye, 14 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 5:55pm, Circ 6:02pm, CEMENT 6:09pm

Drop plug 6:23pm, Displace 6:24pm

10 bbls 320 Psi 6:27pm 7.0 bbls/m
20 bbls 450 Psi 6:29pm 7.0 bbls/m
30 bbls 450 Psi 6:34pm 6.0 bbls/m
36 bbls 260 Psi 6:38pm 8.6 bbls/m

Bump Plug 370 Psi at 6:38pm Psi Held for 5 min.
USED 30% Excess = 264 Sacks cement, 59.71 bbls slurry
Left with 386 Sacks cement, 16 oz Dye, 10 qts KCL
13 bbls slurry to the Pit

[Signature]

AUTHORIZATION TO PROCEED

TITLE

4-26-10

DATE