

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8821

LOCATION wcr 33+66

FOREMAN Daniel Sa Heman
Mike Victor Tucker

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-2-10	Pluss L11-200	11	3N	66W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:29 pm</u>	TIME LEFT LOCATION <u>9:05 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>68620</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 636-00</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>68000</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

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

INSTRUCTIONS PRIOR TO JOB Ris up, Safety meeting, Psit test to 500 psi, Circ 40 bbls of H₂O w/ 2nd 10w 1002 Dye, mix + pump 30% Excess @ 290 sks @ 15.2' @ 1.27 yield or until stopped by Co man, Drop Plug Displace 40.5 bbls of H₂O Bump Plug @ 150 psi over 1.44 psi wait 5 min Release psi wash up Ris Down H₂O test OK Arrived w 550 sks of Cement 991 KCL 3202 Dye 65.5 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 7:15 pm Circ 7:33 pm Cement 7:46 pm Drop Plug 8:22 pm Displace 8:22 pm

10 bbls 5.0/m	160 psi	8:25 pm	Used 223 sks of Cement 0% Excess 50.4 bbls of Slurry
20 bbls 5.0/m	210 psi	8:27 pm	
30 bbls 5.0/m	340 psi	8:29 pm	
40.5 bbls 1.0/m	300 psi	8:35 pm	
Bump Plug	450 psi	8:35 pm	

Left with 327 sks of Cement 391 KCL 2202 Dye 5 bbls to pit

[Signature]
AUTHORIZATION TO PROCEED

TITLE

7-2-10
DATE