

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9743
LOCATION Hay 392 + 63
FOREMAN Daniel Seltman

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-2-11	Beshor PC AA 09-24	9	6N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade 22</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:50 AM</u>	TIME LEFT LOCATION <u>10:00 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>580.1</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBD 530.05</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>523.3</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</u>	PACKER DEPTH		+ SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			PRODUCTION CASING		INITIAL BPM

PRESSURE SUMMARY			TREATMENT RATE		
BREAKDOWN or CIRCULATING psi	AVERAGE psi		SOOZE CEMENT		FINAL BPM
FINAL DISPLACEMENT psi	ISIP psi		ACID BREAKDOWN		MINIMUM BPM
ANNULUS psi	5 MIN SIP psi		ACID STIMULATION		MAXIMUM BPM
MAXIMUM psi	15 MIN SIP psi		ACID SPOTTING		AVERAGE BPM
MINIMUM psi			MISC PUMP		
			OTHER		HYD HP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up Safety meeting, Pstest, Circ 30 bbls of H₂O w/ KCL 2nd 10 w/ 10oz Dye, mix + pump 246 sks of Cement @ 30% Excess @ 1.5-2" @ 1.27 yield or until stopped by Company, Drop Plug Displace 33.7 bbls of H₂O Bump Plug @ 150 psi over 1 ft psi, wait 5 min Release psi, washup Rig Down H₂O test OK

Arrive w/ 500 sks of Cement 5 gal KCL 32oz Dye 55.6 bbls of Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: Safety meeting 8:04 AM Circ 8:32 AM Cement 8:41 AM Drop Plug 9:00 AM Displace 9:00 AM

10 bbls	5.0/m	170 psi	9:04 AM	used 271 sks of cement
20 bbls	5.0/m	280 psi	9:06 AM	43% Excess
30 bbls	2.5/m	170 psi	9:10 AM	6.2 bbls of Slurry
33.7 bbls	1.0/m	180 psi	9:14 AM	
Bump Plug	350 psi		9:14 AM	

Left w/ 279 sks of Cement 4 gal 1 qt KCL 22oz Dye 7 bbls of Slurry Back

S. B. B.

AUTHORIZATION TO PROCEED

TITLE

3-2-11

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