

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 # 8813
LOCATION WCR 49+30
FOREMAN Daniel Saltzman
Mike D Mike S Baker

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-9-10	WOPENS #24-08	24	3A	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSOGN 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>4:41 pm</u>	TIME LEFT LOCATION <u>9:15 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>700.00</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBD 650.24</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>694.32</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24#</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			[] SURFACE PIPE		
			[] PRODUCTION CASING		
			[] SQUEEZE CEMENT		
			[] ACID BREAKDOWN		
			[] ACID STIMULATION		
			[] ACID SPOTTING		
			[] MISC PUMP		
			[] OTHER		

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, Psi test to 500psi, Circ 35 bbls of H₂O w/ Kcl and 10 w/ 16oz Dye per column, mix + pump 30% Excess @ 15.2 lb @ 1.27 yield 296 sks of Cement or until stopped by column, Drop Plug Displace 41.4 bbls of H₂O Pump Plug @ 150 psi over lift psi, wait 5 min Release psi Wash up Rig Down H₂O test OK Arrive w/ 460 sks of Cement 3 gal Kcl 32oz Dye 66.8 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 7:33pm Circ 7:37pm Cement 7:45pm Drop plug 8:17pm Displace 8:17pm

10 bbls	5.0/m	160 psi	8:21 pm	used 257 sks of cement 12% Excess 52.6 bbls of Slurry
20 bbls	5.0/m	260 psi	8:23 pm	
30 bbls	5.0/m	360 psi	8:25 pm	
40 bbls	1.0/m	290 psi	8:30 pm	
41.5 bbls	1.0/m	300 psi	8:32 pm	

Bump Plug 450 psi 8:32 pm

Lift w/ 203 sks of Cement 2 gal Kcl 16oz Dye 10 bbls of Slurry Back

Tam Bann
AUTHORIZATION TO PROCEED

Rig Supervisor
TITLE

6-9-10
DATE