

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 # 7327

LOCATION 70 Ranch

FOREMAN Dawiel Saltzman

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-9-10	70 Ranch usx DD 27-08	27	5N	63W	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	ENSGN 126
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	7:17pm	TIME LEFT LOCATION	11:05pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH	570.10	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
PBTD	517.0	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE	8 5/8	TUBING CONDITION		TUBING	
CASING DEPTH	559.0				

CASING WEIGHT	29#	PACKER DEPTH		TYPE OF TREATMENT	TREATMENT RATE
CASING CONDITION	good			TYPE OF TREATMENT	TREATMENT RATE

PRESSURE SUMMARY			TREATMENT RATE		
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	TYPE OF TREATMENT	TREATMENT RATE
FINAL DISPLACEMENT	psi	ISIP	psi	TYPE OF TREATMENT	TREATMENT RATE
ANNULUS	psi	5 MIN SIP	psi	TYPE OF TREATMENT	TREATMENT RATE
MAXIMUM	psi	15 MIN SIP	psi	TYPE OF TREATMENT	TREATMENT RATE
MINIMUM	psi			TYPE OF TREATMENT	TREATMENT RATE

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Psi test to 500psi Circ 30 bbls of H₂O w Kel 2nd bbl
10:02 due, mix pump 251 sks of cement @ 30% Excess @ 15.2" @ 1.27 yield or until stopped
By Comaw Drop Plug Displace 32.7 bbls of H₂O Bump Plug @ 150 psi over 1.4 psi wait
5 min Release Psi Wash up Rig Down H₂O test OK
Arrival w 500 sks of cement 391 kel 32oz Dye 54.5 slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 9:26pm Circ 9:48pm Cement + 9:56pm
Drop Plug 10:15pm Displace 10:15pm

10 bbls	5.0/m	190 psi	10:19	used 250 sks of cement
20 bbls	5.0/m	320 psi	10:21	34% Excess
30 bbls	1.0/m	210 psi	10:24pm	56.5 bbls of Slurry
32.7 bbls	1.0/m	200 psi	10:26pm	
Bump Plug		400 psi	10:26pm	

Left w 250 sks of cement 391 kel 32oz Dye

8 bbls of Slurry Back

Randy Boyles
AUTHORIZATION TO PROCEED

TITLE

DATE

10-9-10