

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8810
LOCATION Gutherson Ranch
FOREMAN Daniel Saltzman
Mike Wade

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-2-10	Gutherson State D16-27	16	3N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>1:45 AM</u>	TIME LEFT LOCATION <u>5:45 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>6552.0</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>POTD 6052.0</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 3/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>6482.5</u>		TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>241B</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: Big up, Softy meeting, PSI test to 500psi, Circ 30 bbls of H₂O w/ 2nd 10
bbls w/ 1002 Dye, mix + pump 30% Excess Cement @ 15.2' @ 1.27 yield or until stopped
Byco max, Drop Plug Displace 38.5 bbls of Slurry Pump Plug @ 150 psi over 1 ft
PSI wait 5 min Release psi washup Rig Down Water test OK
Arrival w/ 460 sks of Cement 4 gal 1st kick 1600 Dye 62.6 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Softy meeting 5:18 AM Circ 4:25 AM Cement 4:33 AM
Drop Plug 4:56 AM Displace 4:56 AM

10 bbls	5.0/m	140 psi	5:00 AM	used 250 sks of cement 17% Excess 56.3 bbls of Slurry
20 bbls	5.0/m	230 psi	5:02 AM	
30 bbls	3.5/m	240 psi	5:05 AM	
38.5 bbls	1.0/m	240 psi	5:10 AM	
Bump Plug		440 psi	5:14 AM	

Left w/ 210 sks of Cement 3 gal 2nd kick 400 Dye
5 bbls of Slurry Back

St. [Signature]

AUTHORIZATION TO PROCEED

TITLE

6-2-10

DATE