

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8820
LOCATION WCR 120 + 87
FOREMAN Daniel Saltzman
make D Victor Tucker

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-29-10	Bashor PC GQ 17-04	17	10N	61W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:04 AM</u>	TIME LEFT LOCATION <u>4:50 PM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1106.1</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD 1051.0</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>1096.0</u>		TREATMENT VIA			
CASING WEIGHT <u>24 #</u>	PACKER DEPTH				
CASING CONDITION <u>good</u>					

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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Psi test to 500 psi, Circ 40 bbls of H₂O w/ KCl 2nd 10 w/ 100z Dye, mix + pump lead of 212 sks @ 15% Excess @ 13.1 lb @ 1.69 yield mix 100 sks tail @ 15.2 lb @ 1.27 yield or until stopped by Company Drop Plug Displace 66.9 bbls of H₂O, Bump Plug @ 150 psi over left psi, wait 5 min Release psi wash up Rig Down Arrived w/ 550 sks 4 gal KCl 320z Dye H₂O tests OK 86.4 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 2:50pm Circ 3:03pm Cement 3:16pm Drop Plug 3:48pm Displace 3:48pm

10 bbls	5.0/m	20psi	3:54pm	used 312 sks of cement 15% Excess 86.4 bbls of Slurry
20	5.0/m	60psi	3:56pm	
30	5.0/m	80psi	3:58pm	
40	5.0/m	140psi	4:00pm	
56	5.0/m	220psi	4:02pm	
60	3.5/m	330psi	4:06pm	
66.9	1.0/m	330psi	4:10pm	
Bump Plug 540psi 4:10pm				
left w/ 238 sks 3 gal KCl 220z Dye 11 bbls of Slurry Back				

[Signature] AUTHORIZATION TO PROCEED
TITLE
6-29-10
DATE