

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10357

LOCATION WCR 4718

FOREMAN Mike Rosalez
LIR MARKS RUBE

TREATMENT REPORT

DATE <u>10-17-11</u>	WELL NAME <u>SHAKLEC USK x25-200</u>	SECTION <u>25</u>	TWP <u>2N</u>	RGE <u>65W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>SAXON 145</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>4:00 AM</u>		TIME LEFT LOCATION <u>1:00 PM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1012</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 960.68</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>1006.44</u>	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>241BS</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

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, PSE test, Circulate 60 BBLs H₂O/KCL mix 2nd 10 Dye
mix and Pump ahead of 279 sks of Neat Cement (20% Excess) yield 1.32 at 14.8/BS, then mix Pump
a tail of 100 sks of BFW ID 3% yield 1.27 at 15-2/BS. DROP Plug Displace 6.1 BBLs H₂O Bump Plug
150 over 1st PSE unit 5 min Release PSE Rig Down H₂O Good

Arrived with 250 sks Cement 16 gals of KCL + 1602 Dye Slurry 65
500 sks Neat
JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 10:30 am Circulate 11:04 am Cement 11:24 am
DROP Plug 11:57 am Displace 11:57 am

10 BBLs at 5-5 BBLs/m	12:00	300 PSI	used 20 % Neat Cement
20 BBLs at 5-5 BBLs/m	12:02 PM	380 PSI	used 100 sks BFW ID 3%
30 BBLs at 5-5 BBLs/m	12:04 PM	440 PSI	used 0 % BFW ID 3%
40 BBLs at 5-5 BBLs/m	12:06 PM	560 PSI	used 279 sks Neat Cement
50 BBLs at 5-5 BBLs/m	12:08 PM	600 PSI	used 65 Slurry
60 BBLs at 1-5 BBLs/m	12:11 PM	500 PSI	Tail 22.6 Slurry
6.1 BBLs at 1-5 BBLs/m	12:11 PM	930 PSI	

Bump Plug
Lift with 271 sks Neat Cement 100 sks BFW ID 3% 10 gals KCL 0 Dye
BBLs BACK (21)

[Signature] AUTHORIZATION TO PROCEED
W.S.S TITLE
10-17-11 DATE