

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 5960
LOCATION UCR 53+52
FOREMAN Danuel Saltemaw

TREATMENT REPORT

DATE <u>2-19-11</u>	WELL NAME <u>Hoffman B 33-19</u>	SECTION <u>33</u>	TWP <u>5N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Cade 21</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>10:10 AM</u>		TIME LEFT LOCATION <u>1:30 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>568.2</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>BDTD 520.27</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>560.87</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</u>	PACKER DEPTH		H-SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			I PRODUCTION CASING		INITIAL BPM

PRESSURE SUMMARY			I SQUEEZE CEMENT		I ACID BREAKDOWN		I ACID STIMULATION		I ACID SPOTTING		I MISC PUMP		I OTHER	
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													
HYD HHP = RATE X PRESSURE X 48.8														

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSI test, Circ 30 bbls of H₂O KCL 2nd 10w/10oz Dye mix
+ Pump 240 sks of Cement @ 30% Excess @ 15.2" @ 1.27 yield or until stopped by Cement Drop
Plug Displace 33.1 bbls of H₂O Pump Plug @ 150 psi over 1 ft psi, wait 5 min Release psi washup
Rig Down
Arrived w 700 sks of Cement 5 gal KCL 32 oz Dye
542 bbls of Slurry

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety meeting 11:49 AM Circ 12:04 AM Cement 12:12 AM
Drop plug 12:29 AM Displace 12:29 AM

10 bbls	5.0 /m	250 psi	12:33 AM	Used 30% Excess 240 sks of Cement 542 bbls of Slurry
20 bbls	5.0 /m	380 psi	12:35 PM	
30 bbls	2.5 /m	350 psi	12:41 AM	
33.1 bbls	1.0 /m	220 psi	12:44 AM	
Pump Plug	NO			

Left w 460 sks of Cement 4 gal 1st KCL 22oz Dye
8 bbls of Slurry Back

Jim C New Co Rep 2-19-11
 AUTHORIZATION TO PROCEED TITLE DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.