

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9334
LOCATION WCR 55+42
FOREMAN Daniel Saltemaw

TREATMENT REPORT

DATE <u>10-26-10</u>	WELL NAME <u>Daniel C 27-28 D</u>	SECTION <u>22</u>	TWP <u>4N</u>	RGE <u>6SW</u>	COUNTY <u>weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>ENGLISH 126</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>11:00 PM</u>		TIME LEFT LOCATION <u>2:20 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>740.10</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>689.76</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>732.07</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</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 S

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, Psi test to 500psi, Circ 40 bbls of H₂O w/ KCL 2nd 10 w/ 10oz Dye mix + pump 313 sks of cement @ 30% excess @ 15.2 lb @ 1.27 yield, or until stopped by Co new Drop Plug Displace 43.9 bbls of H₂O Bump Plug @ 150 psi over lift psi, wait 5 min Release psi Wash up Rig Down H₂O test OK

Arrival w/ 550 sks of cement 3 sk KCL 32oz Dye 70.7 bbls of slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Safety meeting 12:32am Circ 12:53 am Cement P03 am Drop Plug 1:26 am Displace 1:26 am

10 bbls	5.0/m	140 psi	1:30 am	Used 313 sks of cement 30% excess 70.7 bbls of slurry
20 bbls	5.0/m	170 psi	1:32 am	
30 bbls	5.0/m	270 psi	1:35 am	
40 bbls	2.0/m	230 psi	1:38 am	
43.9 bbls	1.0/m	260 psi	1:41 am	
Bump Plug 460 psi 1:41 am				

6 bbls of slurry Back

[Signature] AUTHORIZATION TO PROCEED
CO MAN TITLE
10-26-10 DATE

Customer 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.