

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10172

LOCATION WCR 43+26

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE 7-6-11	WELL NAME CANNON H 35-20	SECTION 35	TWP 3N	RGE 65W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR CADE Rig 21				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 10:50 pm		TIME LEFT LOCATION 6:00 am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 773	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 723.31	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 766.58		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb.	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEE 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 OF 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, Per Company Man, Circ 40 bbls H<sub>2</sub>O with KCL + Dye x 16 in 2nd 106 bbls, Mix + Pump Tell Dye is seen then pump tub only at 15.2 bbls / 27 yield, Don't go over 50% excess with out Talking to Company Man, Drop plug, Displace 46 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Wait 5 min. then bleed off Psi, Washup, Rig down, H<sub>2</sub>O Tested good, WE HAVE 700 SKs, 32 oz. Dye, 15 qts KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 4:07 am, Circ 4:31 am, Cement 4:38 am to 4:54 am  
Drop Plug 4:55 am, Displace 4:56 am  
106 bbls 300 Psi 4:59 am 7.0 bbls / min  
20 bbls 400 Psi 5:01 am 7.0 bbls / min  
30 bbls 520 Psi 5:02 am 7.0 bbls / min  
40 bbls 570 Psi 5:06 am 6.0 bbls / min  
46 bbls 380 Psi 5:08 am 1.0 bbls / min  
Bump Plug 590 Psi at 5:08 am Float Collar Held  
USED 15% Excess = 289 SKs, 65.36 bbls / slurry  
Avg Cement 4.08 bbls / min  
Left with 411 SKs, 16 oz Dye, 11 qts KCL  
9 bbls slurry TO THE P.T

AUTHORIZATION TO PROCEED	TITLE	DATE 7-6-11
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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