

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9550
LOCATION WCR 41446
FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE 1-19-11	WELL NAME Bete Re G 09-31D	SECTION 9	TWP 4N	RGE 65W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR ENSOYN 126				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 6:44pm		TIME LEFT LOCATION 12:30				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 758.8	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 2080	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 751.0		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24#	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			<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 40.8

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, Circ 40 bbls of H₂O w/ Kcl 2nd 10 w/ 10oz Dye, max + pump 321 sks of cement @ 30% Excess. 215.2' @ 1.27 yd/d or until stopped by Co man Drop Plug Displace 451 bbls of H₂O pump plug @ 150 psi over 1.14 psi wait 5 min Release psi Wash up Rts Down**

arrived at 750 sks of cement 5 gal Kcl 32 oz Dye 726 Pbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS **Safety meeting 9:16 pm Circ 10:49 Cement 11:02 pm Drop Plug 11:26 pm Displace 11:26 pm**

10 bbls 5.0/m	100 psi	11:31 pm	used 271 sks of cement
20 bbls 5.0/m	160 psi	11:33 pm	10% Excess
30 bbls 5.0/m	270 psi	11:36 pm	61.2 bbls of Slurry
40 bbls 3.5/m	320 psi	11:40 pm	
45.1 bbls 1.0/m	240 psi	11:44 pm	
Bump Plug	910 psi	11:44 pm	

left w 479 sks of cement 4 gal Kcl 22 oz Dye 8 bbls of Slurry Back

[Signature] AUTHORIZATION TO PROCEED
Co man TITLE
1-19-11 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.