

BISON OIL WELL CEMENTING, INC.



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E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10300

LOCATION 49 + 34

FOREMAN Mike Rosalee
Kirk R, L R marks

TREATMENT REPORT

DATE 8-29-11	WELL NAME Dechant D 18 27-U	SECTION 7	TWP 3N	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 128				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 5:45 AM		TIME LEFT LOCATION 1:00 PM				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 799	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 744.37	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 789		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 LBS	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM

PRESSURE SUMMARY				
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP	
MINIMUM psi			<input type="checkbox"/> OTHER	
			HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, Salty meeting, PSE Test, Circulate 40 BBLs H₂O KCL mix 2nd 10 Dye Pump 338 sks Cement (20% excess) yield 127 qt 15.2 LBS, or until Company men stop us, no more than 50% excess per Company. Release Plug Displace 47.4 BBLs H₂O, Pump Plug 150 PSE down lift PSE Wait 5 min Release PSE, Wash up Rig Down H₂O Test Good

Arrived with 650 sks Cement 5 gal KCL 16 oz Dye Slurry 76.4

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Salty meeting 9:00 AM Circulate 9:28 AM Cement 9:39 AM
Drop Plug 9:59 AM Displace 9:59 AM

10 BBLs/m	5-5 BBLs/m	10:02 AM	260 PSE	USED 15% EXCESS
20 BBLs/m	5-5 BBLs/m	10:04 AM	280 PSE	USED 300 SKS Cement
30 BBLs/m	5-5 BBLs/m	10:06 AM	360 PSE	67.8% Slurry
40 BBLs/m	3-5 BBLs/m	10:09 AM	380 PSE	
47.4 BBLs/m	1-5 BBLs/m	10:12 AM	360 PSE	
Bump Plug 10:12 at 660 PSE				

Left with 350 sks Cement 4 gal KCL 16 oz Dye 9 BBLs Back to Surface

John M Taylor Mike Rosalee 8-29-11
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.