

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10590

LOCATION 76-47

FOREMAN Kirk Keilhof
Jesse Mike S

TREATMENT REPORT

DATE 11-18-11	WELL NAME Booth USX EE 2502D	SECTION 25	TWP 7N	RGE 6SW	COUNTY Weld	FORMATION
CHARGE TO NCSle		OWNER				
MAILING ADDRESS		OPERATOR NCSle				
CITY		CONTRACTOR Ensign 121				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 11:00pm		TIME LEFT LOCATION 4:30am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 759	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 713.52	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 753.98		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2415	PACKER DEPTH		[] SURFACE PIPE		BREAK-DOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHF = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, set flying meeting, Psi test, Perelman Circ 403815 KCL H2O, 2nd 104 Dye, mix & pump 321 SKs cement at 30% Excess at 1127 yield at 152 lbs or until cement stops up, no more than 50% Excess, Release Plug, Disp 45.4 BBls H2O, Bump Plug at 150 psi over Lift Psi, wait 5 min, Release Psi, washing Rig Down, H2O test OK
Arrived w/ 78 SKs cement 4 gal KCL 1602 Dye 72.6 BBls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS set flying meeting 2:17am circ 2:58am cement 3:07am
Disp Plug 3:39am Displace 3:39am
10 BBls at 5.0 BBls/min 3:42am 200psi used 10% Excess
20 BBls at 5.0 BBls/min 3:44am 250psi used 272 SKs cement
30 BBls at 5.0 BBls/min 3:46am 350psi 61.5 BBls slurry
40 BBls at 3.0 BBls/min 3:54am 310psi
45.4 BBls at 1.0 BBls/min 3:57am 230psi
Bump Plug 3:57am 520psi

Lift w/ 478 SKs cement 3 gal KCL 602 Dye BBls Back 7

Michael Mager

AUTHORIZATION TO PROCEED

TITLE

11-18-11

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.