

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9601

LOCATION cr 49-28

FOREMAN Kirk Kallhoff
Mike R. Guyt

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-16-11	Dechant X01-04	1	2N	6SW	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensigen 136
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 41:00 am	TIME LEFT LOCATION 7:30 am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 755	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 702.31	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 747.75		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 2415	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			<input type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		
			BREAKDOWN BPM		
			INITIAL BPM		
			FINAL BPM		
			MINIMUM BPM		
			MAXIMUM BPM		
			AVERAGE BPM		
			HYD HHP = RATE X PRESSURE X 4.08		

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 40545 Kcl H2O 2nd 10w/Dye mix, Pump 319 SKS cement at 30% Excess at 127yrd at 15.2 lbs or until cement stops us, Release Plug, Displace 44.7 BBLS H2O, Bump Plug at 150 psi over L. Ft Psi, wait 5 min, Release Psi, work up Rig Down H2O test OK

Arrived w/ 575 SKS cement 4 gallons Kcl 16oz Dye 72.1 BBLS slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting, 5:52 am circ 6:15 am cement 6:25 am
Drop Plug 6:45 am Displace 6:45 am

10 BBLS at 5.5 BBLS/m 6:47 am 390 psi used 79% Excess
20 BBLS at 5.5 BBLS/m 6:49 am 460 psi used 264 SKS cement
30 BBLS at 5.5 BBLS/m 6:51 am 550 psi 59.3 BBLS slurry
40 BBLS at 3.5 BBLS/m 6:54 am 440 psi
44.7 BBLS at 1.0 BBLS/m 6:57 am 330 psi
Bump Plug 6:57 am 480 psi

L. Ft w/ 311 SKS cement 3 gallons Kcl 6oz Dye BBLS Back 9

[Signature]
AUTHORIZATION TO PROCEED

TITLE

1-16-11

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