

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10548

LOCATION WCR 55+48

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-18-11	Oredigger C 10-69HN	4	4N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&P Rig 323</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>2:40 p.m.</u>	TIME LEFT LOCATION <u>4:00 am 10-19-11</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>678.0</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 632.0</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>9 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>672.82</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<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, per Company Man, Circ 50 bbls H₂O with KCL & Dyex 16 in 2nd 10 bbls, Mix & pump a min of 30% Excess or tell Dye is seen after 30% Excess at 15.2 lbs 1.27 yield, Drop plug, Displace 48.8 bbls H₂O, Don't go over 1.5 bbls on Displacement, Bump plug at 100 to 200 Psi over Lift Psi, Wait 5 min, Then bleed off Psi, Wash up, Rig down, H₂O Tested good, WE have 700 sks, 32 oz Dye, 15 Rts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 2:00 am, Circ 2:29 am, CEMENT 2:38 am to 3:02 am

Drop Plug 3:04 am, Displace 3:05 am

10 bbls 200 Psi 3:07 am 7.0 bbls/m

20 bbls 390 Psi 3:09 am 7.0 bbls/m

30 bbls 500 Psi 3:10 am 7.0 bbls/m

40 bbls 500 Psi 3:14 am 6.0 bbls/m

48.8 bbls 350 Psi 3:17 am 1.0 bbls/m

Bump Plug 670 Psi at 3:17 am, Flant Collar Held

USED 30% Excess = 36.5 sks, 82.55 bbls Slurry

Avg CEMENT 3.43 bbls/m

Left with 33.5 sks, 16 oz Dye, 10 Rts KCL

17 bbls Slurry TO THE PIT

Timothy A. Simpkins
AUTHORIZATION TO PROCEED

WSS

TITLE

10-18-11

DATE