

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9280

LOCATION WCR 7+38

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-10-10	WCLI USX 533-02P	33	4N	68W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 55</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:35 pm.</u>	TIME LEFT LOCATION <u>8:45 pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>770</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 740.02</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

TREATMENT VIA			TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH <u>759.38</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
CASING WEIGHT <u>2416</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
CASING CONDITION <u>Good</u>			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM		

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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Cick 40 bbls H₂O with KCL + Dye x 10 in 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub + 5 bbls Slurry at 15.2 lbs. 1.27 yield, Drop plug, Displace 47.1 bbls H₂O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O Tested good, We 700 Sacks cement, 32 oz. Dye, 13 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 6:28pm, Cick 6:58pm, Cement 7:07pm
Drop plug 7:34pm, Displace 7:36pm

10 bbls 320 Psi 7:40pm 7.0 bbls/pm
20 bbls 430 Psi 7:42pm 7.0 bbls/pm
30 bbls 550 Psi 7:43pm 7.0 bbls/pm
40 bbls 540 Psi 7:46pm 6.0 bbls/pm
47.1 bbls 350 Psi 7:49pm 1.8 bbls/pm

Bump Plug 460 Psi at 7:49pm Psi held for 5 min
USED 20% EXCESS = 301 SACKS CEMENT, 68 bbls Slurry
Left with 399 SACKS CEMENT, 2202 Dye, 9 Qts KCL
15 bbls Slurry To The P.T


AUTHORIZATION TO PROCEED

TITLE

9-10-10

DATE