

# BISON OIL WELL CEMENTING, INC.

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## TREATMENT REPORT

DATE	4-6-12	WELL NAME	Hoffman CO2-20D	SECTION	2	TWP	4N	RGE	64	COUNTY	Veld	FORMATION
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CHARGE TO	Noble
MAILING ADDRESS	
CITY	
STATE ZIP CODE	
TIME ARRIVED ON LOCATION	7:30 pm
TIME LEFT LOCATION	12:15 PM
OWNER	
OPERATOR	Noble
CONTRACTOR	Ensing 132
DISTANCE TO LOCATION	
PRESSURE LIMITATIONS	

TUBING SIZE	PERFORATIONS	TUBING DEPTH	SHOTS/FT	OPEN HOLE	TREATMENT VIA		TYPE OF TREATMENT		TREATMENT RATE	
14 1/4		710								
8 5/8		654.57								
2 1/8		704.07								
2 1/8		24 1/2								
CASING CONDITION		good								

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	[ ] ACID BREAKDOWN	MINIMUM BPM	FINAL BPM	PRESSURE SUMMARY		[ ] SOLEZE CEMENT	FINAL BPM
FINAL DISPLACEMENT	psi	ISIP	psi	[ ] ACID STIMULATION	MAXIMUM BPM				[ ] PRODUCTION CASING	INITIAL BPM
ANNUUS	psi	5 MIN SIP	psi	[ ] ACID SPOTTING	AVERAGE BPM				[ ] OTHER	HYD HHP = RATE X PRESSURE X 40.8
MAXIMUM	psi	15 MIN SIP	psi	[ ] MISC PUMP						
MINIMUM	psi			[ ] OTHER						

INSTRUCTIONS PRIOR TO JOB: Rig up, safety meeting, PST test, Per company, circ 40 BBLs KCL H2O  
 2nd 10 w/Dye, mix & pump 300 sts at 30% excess, at 1.27 yield or until stopped by  
 Common, Release plug, Disp 41.6 BBLs H2O, Bump plug at 150 PSI over 1.1 ft PSI  
 wait 5 min, release PST, wash up, rig down.  
 Circ 67.8 BBLs slurry  
 10 BBLs AT 6 BBLs/min 11:23 pm 220 PSI  
 20 BBLs AT 6 BBLs/min 11:25 pm 400 PSI  
 30 BBLs AT 6 BBLs/min 11:27 pm 500 PSI  
 40 BBLs AT 1 BBLs/min 11:29 pm 300 PSI  
 41.6 BBLs AT 1 BBLs/min 11:30 pm 300 PSI  
 Bump plug 11:30 pm 760 PSI  
 Left w/ 326 sts cement, 3 gal KCL, 6.02 Dye

DESCRIPTION OF JOB EVENTS	Drop plug 11:21 pm Displace 11:21 pm
JOB SUMMARY	

DATE 4-6-12 TITLE CO-MAN

AUTHORIZATION TO PROCEED

Customers hereby acknowledge and specifically agree 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.