

# BISON OIL WELL CEMENTING, INC.



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## TREATMENT REPORT

DATE	7-6-12
WELL NAME	Ryder X06-200
SECTION	6
TWP	2N
RGE	65W
COUNTY	Weld
FORMATION	

OWNER	Noble
OPERATOR	Noble
CONTRACTOR	Zinsign 226
CITY	
STATE ZIP CODE	
TIME ARRIVED ON LOCATION	2:00pm
TIME LEFT LOCATION	6:15pm
DISTANCE TO LOCATION	

WELL DATA		PRESSURE LIMITATIONS	
HOLE SIZE	12 1/4	THEORETICAL	INSTRUCTED
TUBING DEPTH	1045	SURFACE PIPE ANNULUS LONG	
TUBING WEIGHT	BTD 993.53	STRING	
CASING SIZE	8 7/8	TUBING	
CASING DEPTH	1639.03	TREATMENT VIA	
CASING WEIGHT	245	TYPE OF TREATMENT	TREATMENT RATE
PACKER DEPTH		1 SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION	Good	1 PRODUCTION CASING	INITIAL BPM

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
AVERAGE	psi
ISIP	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
5 MIN SIP	psi
15 MIN SIP	psi
1 OTHER	psi
MAXIMUM	psi
MINIMUM	psi
HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB: Rig up, set job, mix, bleed, perforate, circ 30 BBS KIL H2O, mix, pump, 291 SKS next cement at 20% excess at 14 BBS at 132yd, mix, pump 100 SKS 3% cement at 15.2 lbs at 127yd, release plug, dig 63.2 BBS H2O, bump plug at 15psi over - lift PSI, wait 5min, release PSI, wash up rig down.

JOB SUMMARY: Arrived at 2:00 SKS 3% cement 550 SKS next cement 4 1/2 gal KIL 16oz dye. Description of Job Events: Set job, mix, bleed, 4:22gm circ 4:15gm cement 5:02gm stop cement 5:25gm. Deep plug 5:27gm, dig 5:27gm.

10 BBS AT 6 BBS/LM 5:29gm 30cps! used 291 SKS next cement lead  
 20 BBS AT 6 BBS/LM 5:31gm 35cps!  
 30 BBS AT 6 BBS/LM 5:32gm 50cps!  
 40 BBS AT 6 BBS/LM 5:34gm 55cps!  
 50 BBS AT 6 BBS/LM 5:36gm 55cps!  
 60 BBS AT 6 BBS/LM 5:39gm 40cps!  
 63.2 BBS AT 1 BBS/LM 5:40gm 30cps!  
 91 BBS slurry (dye)

7-6-12  
 AUTHORIZATION TO PROCEED  
 TITLE  
 DATE  
 Lloyd Powell  
 L Flow 259 SKS next cement 100 SKS 3% cement 3gal KIL 16oz dye  
 BBS Back 1/4

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.