

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9005

LOCATION Hwy 66 - Wcr 19

FOREMAN Kirk Kallhoff
mile R mile D mile S

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-20-10	Horse Iron P22-33D	21	3N	67W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 136
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 11:30pm	TIME LEFT LOCATION 2:30am

WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
12 1/4				
TOTAL DEPTH 530.2	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
PBTD 481.4	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE 8 7/8	TUBING CONDITION		TUBING	
CASING DEPTH 523.86		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION good			<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, Psi test, circ 30 bbls H2O and 104 Dye mix Pump
224 sks cement at 30% excess at 1.27 yield at 15.2 lbs or until 10 man steps up, Release
Plug Displace 30.6 BBLs H2O, Bump Plug at 150 psi over Lift Psi, wait 5 min Release
Psi, wash up Rig Down
Arrived w/ 600 sks cement 4 gallons Kcl 1602 Dye 50.6 BBLs slurry
H2O Test OK

JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 12:49am circ 1:13am cement 1:20am
Drop Plug 1:41am Displace 1:41am

10 BBLs At 5.5 BBLs/m 1:44am 450psi
20 BBLs At 3.5 BBLs/m 1:46am 510psi
30 BBLs At 1.0 BBLs/m 1:51am 220psi
30.6 BBLs At 1.0 BBLs/m 1:51am 240psi
Bump Plug 1:51am 420 psi
used 56% excess per cement
used 271 sks cement
60.7 BBLs slurry

Lft w/ 329 sks cement 3 gallons 1st Kcl 602 Dye
BBLs Back 8

Mike Noble
AUTHORIZATION TO PROCEED
DATE 5-20-10