

BISON OIL WELL CEMENTING, INC.



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TREATMENT REPORT

DATE	7-28-12	WELL NAME	LORENZ F 23-310	SECTION	22	TWP	5N	RGE	65W	COUNTY	Weld	FORMATION
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CHARGE TO	Noble	OWNER	Noble
Mailing Address	Eugene Rig 226		
CITY	Eugene, OR		
STATE ZIP CODE	97401		
TIME ARRIVED ON LOCATION	3:45 pm		

WELL DATA	
HOLE SIZE	12 1/4
TUBING SIZE	6 3/8
TUBING WEIGHT	18.75
OPEN HOLE	8 3/8
TUBING DEPTH	630
SHOTS/FT	0
SURFACE PIPE ANNULES LONG	0
STRING	0
TUBING	0

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
AVERAGE	psi
ISIP	psi
FINAL DISPLACEMENT	psi
ANNULES	psi
5 MIN SIP	psi
15 MIN SIP	psi
MAXIMUM	psi
MINIMUM	psi
TYPE OF TREATMENT	
1 SURFACE PIPE	
1 PRODUCTION CASING	
1 SOEZE CEMENT	
1 ACID BREAKDOWN	
1 ACID STIMULATION	
1 ACID SPOTTING	
1 MISC PUMP	
1 OTHER	
HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB: Rig up, Safety Meeting, Circ 30 bbls H₂O w/ 10% KCl + Dye x 16 in 2nd 10 bbls, Mix pump, Tell company man sees dye, Drop plug, Displace 37 bbls H₂O, Bump plug at 150 psi over 1.1 ft psi, what 5 min then bleed off rig, wash up, Rig down, we have 600 sks, 10 at 5 KCl, 3202 dye,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS
Safety Meeting 6:05 pm, Circ 6:40 pm, Cement 6:46 pm, Stop
Cement 7:01 pm, Drop Plug 7:12 pm, Displace 7:14 pm
10 bbls 500 psi 7:16 pm 7.065 bbls
20 bbls 500 psi 7:18 pm 7.065 bbls
30 bbls 500 psi 7:19 pm 6.065 bbls
37 bbls 400 psi 7:22 pm 10.665 bbls
Bump Plug 7:00 psi at 7:22 pm Float Collar Held
USED 100% Excess
410 SKS, 92.7 bbls slurry
22 bbls slurry to the P.T

AUTHORIZATION TO PROCEED	DATE	TITLE
Steve Rouse	7-28-12	

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.