

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10727
LOCATION WCR 19+28
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-25-12	Nix P 28-694N	28	3N	67W	Weld	

CHANGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	H&F Rig 323
STATE / ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	1200 pm	TIME LEFT LOCATION	530 pm

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
13 7/8				
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
675				
FBTP (26.14)	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE	TUBING CONDITION		TUBING	
8 9/16				
CASING DEPTH	TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
668.88				
CASING WEIGHT	PACKER DEPTH			
36 lb.				
CASING CONDITION				
Good				

PRESSURE SUMMARY			TREATMENT RATE	
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 to 300 Psi, Circ 50 bbls H₂O with KCl + Dye x 16 in 2 1/2 bbls, 10 bbls Company Muds, Max pump tall Dye is seen then pump tub only at 15.2 lbs 127 gpd, Drop plug, Displace 48.4 bbls H₂O, Pump Plug at 150 Psi over LIFT Psi, Wait 5 min. then bleed off Psi, Wash up, Rig down, We have 600 SKs, 12 Gts KCl, 16 Gts Dye

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: Safety meeting 3:48 pm, Circ 420 psi, Cement 4:29 pm to 4:46 pm

Drop Plug 4:48 pm, Displace 4:49 pm
10 bbls 300 Psi 4:51 pm 1.0 bbls/hr
20 bbls 310 Psi 4:53 pm 6.0 bbls/hr
30 bbls 400 Psi 4:55 pm 6.0 bbls/hr
40 bbls 390 Psi 4:57 pm 4.5 bbls/hr
48.4 bbls 300 Psi 4:59 pm 1.0 bbls/hr
Bump Plug 5:00 Psi 4:59 pm
USED 15% Excess = 322 SKs, 72.83 bbls Slurry
Left with 278 SKs, 7 Gts KCl, 16 Gts Dye

5 bbls Slurry To The PIT

Calvin Reimers
AUTHORIZATION TO PROCEED

TITLE

9-25-12
DATE

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.