

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9272
LOCATION WCR 49+22
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-18-10	PIONEER Y08-05	8	2N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:25 AM.</u>	TIME LEFT LOCATION <u>11:15 AM.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 1072	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 1023.47	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 1065.54		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lbs.	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM

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, Per Company Man, Circ 60 bbls H₂O with KCL + Dye 10 in 2nd 10 bbls, Mix + pump Lead at 14.8 lbs. 1.32 yield tell Dye is seen then mix + pump Tail 0% Excess = 100 Sacks at 15.2 lbs. 1.27 yield to cover 270' + shoe, Drop plug, Displace 65.1 bbls. H₂O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O Tested good, We have 450 Sacks Lead, 200 Sacks Tail, 32 oz. Dye, 21 Qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 8:51 AM, Circ 9:14 AM, Cement 9:25 AM, Drop plug 10:04 AM, Displace 10:10 AM,

10 bbls 130 Psi 10:10 AM 7.0 bbls/m
20 bbls 250 Psi 10:11 AM 7.0 bbls/m
30 bbls 380 Psi 10:13 AM 7.0 bbls/m
40 bbls 490 Psi 10:14 AM 7.0 bbls/m
50 bbls 570 Psi 10:16 AM 7.0 bbls/m
60 bbls 610 Psi 10:17 AM 6.0 bbls/m
65.1 bbls 370 Psi 10:20 AM .8 bbls/m

Bump Plug 470 Psi at 10:20 AM Psi held for 5 min
USED 30% EXCESS ON LEAD = 326 SACKS, 0% EXCESS ON TAIL = 100 SACK 22.6 bbls Slurry
Left with 124 Sacks NEAT III, 100 Sacks BFN III 3%, 22 oz. Dye, 15 Qts KCL
20 bbls Slurry To The Pit

Mike [Signature]

AUTHORIZATION TO PROCEED

TITLE

8-18-10

DATE