

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9038
LOCATION WCR 82+51
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-3-10	Kohlhoff AB 17-01P	17	7N	67W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:50pm.</u>	TIME LEFT LOCATION <u>3:00am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>867.2</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 820.15</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>861.65</u>		TREATMENT VIA			

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM		
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM		
MINIMUM psi			<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		

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 5D bbls. 110 with KCL + Dye x 10 in 2nd 10 bbls, Mix pump tell Dye is seen with min. of 0% excess then pump tub only, Drop plug, Displace 52.2 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 650 sacks cement, 26 oz Dye, 14 qts. KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 12:44am, Circ 1:08am, CEMENT 1:17am
Drop plug 1:47am, Displace 1:49am

10 bbls 230 Psi 1:52am 7.0 bbls/m
20 bbls 300 Psi 1:54am 7.0 bbls/m
30 bbls 430 Psi 1:55am 7.0 bbls/m
40 bbls 560 Psi 1:58am 7.0 bbls/m
50 bbls 320 Psi 2:00am 1.0 bbls/m
52.2 bbls 380 Psi 2:02am .8 bbls/m

Bump Plug 530 Psi at 2:02am Psi held for 5 min.

Used 4% Excess 294 sacks cement, 66.49 bbls slurry

Left with 356 sacks, 16 oz Dye, 9 qts KCL, 14 bbls slurry to the P.T

[Signature]
AUTHORIZATION TO PROCEED

Calvin Reimers
TITLE

7-3-10
DATE