

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9039
LOCATION WCR 82+51
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-7-10	Kohlhoff USX AB 17-02P	17	7N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 12C</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:50 AM</u>	TIME LEFT LOCATION <u>4:15 AM.</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>860</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>POTD 815.33</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>854.28</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>		<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, Per Company MPN, CIRC 50 bbls. H₂O with KCL + Dye x 10 in 2nd 10 bbls. Mix + pump tell Dye is seen or a max of 4% excess then pump Tub only at 15.2 lbs. 1.27 yield, Drop plug, Displace 51.9 bbls. H₂O, Bump plug at NO MORE THEN 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, 9 qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 2:02 AM, CIRC 2:24 AM, CEMENT 2:33 AM
Drop plug 3:01 AM Displace 3:02 AM

10 bbls 230 PSI 3:05 AM, 7.0 bbls/m
20 bbls 290 PSI 3:07 AM, 7.0 bbls/m
30 bbls 410 PSI 3:09 AM, 7.0 bbls/m
40 bbls 530 PSI 3:10 AM, 7.0 bbls/m
50 bbls 350 PSI 3:13 AM, 1.0 bbls/m
51.9 bbls 380 PSI 3:15 AM, .8 bbls/m

Bump Plug 530 PSI at 3:15 AM PSI held for 5 min.
USED 4% EXCESS = 291 SACKS CEMENT, 65.82 bbls SLURRY
Left with 359 SACKS CEMENT, 16 oz Dye, 4 qts KCL
9 bbls. Slurry to the P.T

7-7-10
AUTHORIZATION TO PROCEED CONMAN TITLE DATE