

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9351
LOCATION WCR 68+63
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-1-10	Bashor PC AA 17-15	17	6N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade Rig 21</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>7:15 pm</u>	TIME LEFT LOCATION <u>11:15 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>578</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 530</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>572.1</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2416</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 MAN, CIRC 30 bbls H₂O with KCL + Dye x 10 in 2nd 10 bbls, Mix + pump Tell Dye is seen then pump tub only at 152 lbs. 1.27 yield, Drop plug, Displace 33.7 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 600 sacks cement, 26 oz. Dye, 15 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 9:21 pm, CIRC 9:50 pm, CEMENT 9:58 pm
Drop plug 10:17 pm, Displace 10:18 pm

10 bbls 280 Psi 10:22 pm 40 bbls/m
20 bbls 300 Psi 10:24 pm 40 bbls/m
30 bbls 350 Psi 10:28 pm 40 bbls/m
33.7 bbls 200 Psi 10:30 pm 1.0 bbls/m

Bump Plug 570 Psi at 10:30 pm
USED 53% EXCESS = 289 SACKS, 65.36 bbls SLURRY
Left with 311 SACKS CEMENT, 16 oz. Dye, 12 qts KCL

8 bbls Slurry To The Pit

Amc [Signature]
AUTHORIZATION TO PROCEED

CO Rep

11-1-10

DATE