

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10154

LOCATION WCR 54+25

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE 6-3-11	WELL NAME Phillips PC N24-31D	SECTION 24	TWP 5N	RGE 67W	COUNTY Weld	FORMATION
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR ENSIGN Rig 136			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 7:50 pm			TIME LEFT LOCATION 11:30 pm			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 748	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 698.32	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 741.79		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			<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

INSTRUCTIONS PRIOR TO JOB: Rig up, Safety meeting, Per Company Man, CIRC 40 bbls H₂O with KCL + Dye x 10 in 7" = 10 bbls, Mix + pump. Tell Dye is seen then Pump tub only at 152 lbs. 1.27 yield, Do not go over 30% excess with out Talking to Company Man, Drop plug, Displace 44.4 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min. then bleed off Psi, Wash up, Rig down, WHPD tested good, We have 700 SKs, 22 oz Dye, 15 Qts KCL,

OB SUMMARY
DESCRIPTION OF JOB EVENTS: Safety Meeting 9:43pm, CIRC 10:08pm, Cement 10:15pm to 10:28pm.
Drop plug 10:29pm, Displace 10:30pm
10 bbls. 290 Psi 10:32pm, 7.0 bbls/m
20 bbls 340 Psi 10:34pm 7.0 bbls/m
30 bbls 500 Psi 10:35pm 7.0 bbls/m
40 bbls 450 Psi 10:37pm 4.5 bbls/m
44.4 bbls 450 Psi 10:39pm 1.0 bbls/m
Bump Plug 630 Psi at 10:39pm. Float Collar Held
Avg CEMENT 4.54 bbls/m
USED 7% excess = 261 SKs, 59 bbls Slurry
Left with 439 SKs, 22 oz. Dye, 11 Qts KCL
8 bbls Slurry To The Pit

Michael McGee

AUTHORIZATION TO PROCEED

TITLE

6-3-11

DATE