

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9519

LOCATION cr 74-65

FOREMAN Kirk Kallhoff
Miller R. Tucker L. Guyt

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-26-10	NCCP PC AA-04-05	4	6N	63W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Cade 21
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:00pm	TIME LEFT LOCATION 2:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 708.1	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
PBTD 656.17	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE 8 7/8	TUBING CONDITION			TUBING	
CASING DEPTH 200.85		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24.15	PACKER DEPTH		1 SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			1 PRODUCTION CASING		INITIAL BPM
			1 SQUEEZE CEMENT		FINAL BPM
			1 ACID BREAKDOWN		MINIMUM BPM
			1 ACID STIMULATION		MAXIMUM BPM
			1 ACID SPOTTING		AVERAGE BPM
			1 MISC PUMP		
			1 OTHER		HYD HHP = RATE X PRESSURE X 40 S

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING psi	AVERAGE psi		
FINAL DISPLACEMENT bbl	ISIP psi		
ANNULUS psi	5 MIN SIP psi		
MAXIMUM psi	15 MIN SIP psi		
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB Rig up, set log, meeting, Psitest, circ 40 BBLs H2O 2nd 10 w/ Dye, mix & Pump 300 SKS cement at 30% excess at 1:27 yielded at 15.2 bbls and 11 cement slugs 4.5, Release Plug Displace 41.7 BBLs H2O Pump Plug at 150 psi over Lift Psi wait 5 min Release Psi washup Rig Down H2O test OK

Arrived w/ 650 SKS cement 4 gallons KCL 16oz Dye 67.6 BBLs slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS set log, meeting 12:43am circ 1:16am cement 1:26am

Drop Plug 1:44am Displace 1:44am

16 BBLs At 5.5 BBLs/m 1:47am 330psi
20 BBLs At 5.5 BBLs/m 1:49am 360psi
30 BBLs At 5.5 BBLs/m 1:52am 410psi
40 BBLs At 1.0 BBLs/m 1:56am 250psi
41.7 BBLs At 1.0 BBLs/m 1:58am 240psi
Pump Plug 1:58am 320psi

used 300 SKS cement
used 30% excess
67.6 BBLs slurry

L Plug 350 SKS cement 3 gallons KCL 6oz Dye

BBLs Back 13

Signature: [Signature]
AUTHORIZATION TO PROCEED

Co Rep

11-26-10

DATE