

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9319

LOCATION CR 541-25

FOREMAN Kirk Kallo
Mike R, Vidant, Gay

TREATMENT REPORT

DATE 10-19-10	WELL NAME Phillips 24-19	SECTION 24	TWP 5N	RGE 67W	COUNTY Weld	FORMATION
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR Cable 24			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 7:00am			TIME LEFT LOCATION 3:30pm			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 741.8	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 691.42	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 734.95		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2415	PACKER DEPTH		[X] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, psi test, circ 40 BBLS H2O and 10W/Dye, mix & Pump 314 SKS cement at 30% excess at 127 yield at 152 lbs or until cement stops up, Release Plug Displace 44 BBLS H2O, Bump Plug at 150 psi over lift psi wait 5 min Release psi, wash up Rig Down
H2O test OK

Arrived w/ 550 SKS cement 4 gallons Kel 16oz Dye 70.8 BBLS slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS Safety meeting 12:00pm circ 2:20pm cement 2:30pm

Drop Plug 2:57pm Displace 2:57pm

used 35% excess used 329 SKS cement 73.6 BBLS slurry

10 BBLS AT 5.5 BBLS/m 3:00pm 580psi

20 BBLS AT 5.5 BBLS/m 3:02pm 680psi

30 BBLS AT 5.5 BBLS/m 3:04pm 940psi

40 BBLS AT 3.5 BBLS/m 3:08pm 440

44 BBLS AT 1.0 BBLS/m 3:11pm 310psi

Bump Plug 3:11pm 450psi

Lift w/ 221 SKS cement 3 gallons Kel 6oz Dye 13 BBLS Back 18

10-19-10

AUTHORIZATION TO PROCEED TITLE DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity