

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9234

LOCATION C 55-80

FOREMAN Kirk Kullback

Mike R, Grant L Tucker

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-27-10	5442 USX AB11-168	11	7N	64W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR C-21
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:30pm	TIME LEFT LOCATION 4:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 820.5	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PSTD 768.98	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		

CASING DEPTH 812.91	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT 2415	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 40.8

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, Pre test, circ 40545 H2O 2nd 10 w/ Dye mix (Pump 347 SKS cement at 3040 EXCESS at 1:27 yard at 15.2 lbs until cement stops 4.5. Release Plug Displace 48.9 BBLS H2O Bump Plug at 150 psi over LIFT psi wait 5 min Release psi wash up H2O test OK

Rig Down Arrived w/ 575 SKS cement 4 gallons Kcl 16oz Dye 78.4 BBLS slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS Safety meeting, 2:30am Circ 2:53am cement 3:03am

Drop Plug 3:28am Displace 3:28am

used 1940 EXCESS

10 BBLS at 5.5 BBLS/m 3:31am 390 psi used 320 SKS cement

20 BBLS at 5.5 BBLS/m 3:33am 460 psi 71.7 BBLS slurry

30 BBLS at 5.5 BBLS/m 3:35am 570 psi

40 BBLS at 3.5 BBLS/m 3:39am 500 psi

48.9 BBLS at 1.0 BBLS/m 3:44am 370 psi

Bump Plug 3:44am 510 psi

LIFT w/ 255 SKS cement 3 gallons Kcl 6oz Dye 13 BBLS Back 13

8-27-10

AUTHORIZATION TO PROCEED

TITLE

DATE