

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10837

LOCATION WCR 46451

FOREMAN Pat Novak

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-30-11	PLUSS C 17-33D	17	4W	64W	WELD	

CHARGE TO NOBLE	OWNER
MAILING ADDRESS	OPERATOR NOBLE
CITY	CONTRACTOR EUSIGN 132
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 11:54	TIME LEFT LOCATION 7:30

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 716.08	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 741.08		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 #	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	

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 Bompant man line 50 BBLs 1420 with KCL
Dye in 2nd 10' mix & pump till dye is seen then pump two more at 152 LB 1.2 TYK
Don't go over 30% excess without talking to company man Drop plug displace 441
Bump plug 150 PSI over lift PSI 1400 5 min release PSI was 1400 rig down
H2O TESTED GOOD We have 200 KLS 3202 Dye 152 TS KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS SAFETY 5:29 6:03 circ 6:10 CEM 6:23 PROPP 6:46
DISPLACE 6:49
10 652 PSI 250
20 654 PSI 390
30 656 PSI 440
40 659 PSI 360
44.1 701 PSI 250
Bump plug 250 PSI at 7:04 PM float collar had
used 37% excess = 3369 TS 7617 DISPLACEMENT
Let T with 264 STS 1602 Dye 10 QWS KCL
12 BBLs slurry to pit.

Ian Bann
AUTHORIZATION TO PROCEED

WSS

TITLE

12/30/11
DATE