

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11502
LOCATION 48+57
FOREMAN Kirk Lallhoff
Tucker, Leon

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4/29/12	Hobbsman CO2 65W	2	4N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 132</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:00am</u>	TIME LEFT LOCATION <u>3:00pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
13 3/4			SURFACE PIPE ANNULUS LONG		
TOTAL DEPTH <u>706</u>	TUBING DEPTH	SHOTS/FT	STRING		
PBTID <u>655</u>	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>695</u>		TREATMENT VIA			
CASING WEIGHT <u>36 lbs</u>	PACKER DEPTH				
CASING CONDITION <u>Good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	TYPE OF TREATMENT	BREAKDOWN BPM
FINAL DISPLACEMENT	psi	ISIP	psi	[] SURFACE PIPE	INITIAL BPM
ANNULUS	psi	5 MIN SIP	psi	[] PRODUCTION CASING	FINAL BPM
MAXIMUM	psi	15 MIN SIP	psi	[] SQUEEZE CEMENT	MINIMUM BPM
MINIMUM	psi			[] ACID BREAKDOWN	MAXIMUM BPM
				[] ACID STIMULATION	AVERAGE BPM
				[] ACID SPOTTING	
				[] MISC PUMP	
				[] OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up softleg meeting 15 test Perco-man Circ 50 bbls KCL H2O w/ dye in 2nd 10 mix
 Pump 381 sks cement at 30% excess at 127 yd at 30% excess at 15.2 lbs an until cement stops 128
 Release Plug Disp 50.6 bbls H2O Bump Plug 150 psi over 144 psi wait 5 min release psi wash up
 rig down H2O test ok
 arrived w/ 1650 sks cement 4601 KCL 16 oz dye 86.1 bbls slurry

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Softleg meeting 1:20pm Circ 1:39pm Cement 1:47pm
 stop cement 2:11pm Drop Plug 2:12pm Disp 2:12pm

10 at 6.0 BBLs/m 2:14pm 350psi Used 36 1/2 excess
 20 at 6.0 BBLs/m 2:16pm 350psi Used 400 sks cement
 30 at 6.0 BBLs/m 2:17pm 480psi 90.4 bbls slurry
 40 at 6.0 BBLs/m 2:19pm 500psi
 50 1.0 BBLs/m 2:22pm 300psi
 50.4 1.0 BBLs/m 2:22pm 300psi
 Bump Plug 2:22pm 640psi

left w/ 250 sks cement 2 gal 3 qt SKL & Dye BILLS back 18

T. Ban WSS 4/29/12
 AUTHORIZATION TO PROCEED TITLE DATE