

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11030  
LOCATION 47th 70  
FOREMAN Kirk Kallhoff  
Tucker, Pete, Leo

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5/26/12	Efect PC E11-65 HN	11	6.0	65W	Weld	
CHANGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 121</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>2:30 pm</u>		TIME LEFT LOCATION <u>8:30 pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
13 3/4					
TOTAL DEPTH <u>697</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PODID <u>641.8</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>686</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>36 lbs</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			<input type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		
			BREAKDOWN BPM		
			INITIAL BPM		
			FINAL BPM		
			MINIMUM BPM		
			MAXIMUM BPM		
			AVERAGE BPM		
			HYD HHP = RATE X PRESSURE X 40.8		

INSTRUCTIONS PRIOR TO JOB: Rig up Softgumming PSI test Per common Circ 50 bbls KCL 1420 2nd 10 w/dye mix pump 376 sks cement at 30% excess at 127 yd at 15.2 lbs or until common starts to release plug close 49.6 bbls H<sub>2</sub>O Pump Plug 150 psi over 1 ft psi wait 5 min release psi wash up rig down 1420 test ok 55 bbls slurry

Approved w/ 750 sks cement 4 gal KCL 1600 dye  
JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: Softgumming 6:57pm Circ 7:02pm Cement 7:12pm stop cement 7:34pm Drop Plug 7:35pm close 7:35pm

10 bbls at 6.0 BBLs/min 7:37pm 35 psi used 33% excess  
20 bbls at 5.0 BBLs/min 7:39pm 300 psi used 386 sks cement  
30 bbls at 5.0 BBLs/min 7:43pm 35 psi 87.3 bbls slurry  
40 bbls at 5.0 BBLs/min 7:45pm 35 psi  
49.6 bbls at 1.0 BBLs/min 7:52pm 300 psi  
Pump Plug at 7:52pm 55 psi

Left w/ 364 sks cement 2 3/4 gal KCL 600 dye BBLs Rock 10

Dani Robison  
AUTHORIZATION TO PROCEED

Co-Rep  
TITLE

5/26/12  
DATE