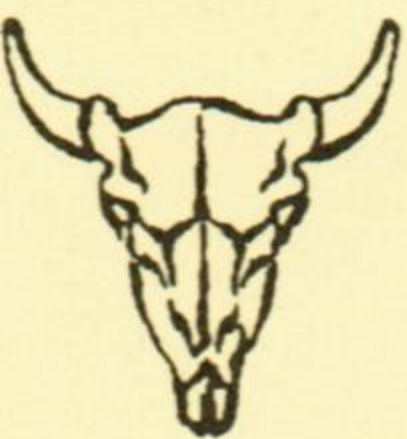


# BISON OIL WELL CEMENTING, INC.



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Denver, Colorado 80202  
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REF. INVOICE # 10885  
LOCATION 416-53  
FOREMAN Kirk Kallhoff  
Tucker Devco

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-25-12	Alter C16-28D	9	4N	64W	weld	
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>H&amp;P 322</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>3:00pm</u>			TIME LEFT LOCATION <u>9:15pm</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
12 1/4					
TOTAL DEPTH <u>759</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 714.60</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>757</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>2415</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psi test, Per cement, circ 40 bbls RCL H2O, 2nd 10 w/ Dye, mix, Pump 321SKs cement at 30% Excess at 1.27 yield at 15.2 lbs or until cement stops us, no more than 50% Excess, Release Plug Disp 45.5 BBLs H2O, Bump Plug at 150 Psi over Lift Psi, wait 5 min Release Psi, wash up Rig Down  
Arrived w/ 600SKs cement 4 gal RCL 16oz Dye  
72.6 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS safety meeting 7:33pm circ 7:57pm cement 8:03pm  
Drop Plug 8:19pm Displace 8:19pm  
10 BBLs at 6.0 BBLs/m 8:22pm 180psi used 20% Excess  
20 BBLs at 6.0 BBLs/m 8:23pm 250psi used 286SKs cement  
30 BBLs at 6.0 BBLs/m 8:25pm 350psi 66.9 BBLs slurry  
40 BBLs at 3.5 BBLs/m 8:27pm 300psi  
45.5 BBLs at 1.0 BBLs/m 8:29pm 300psi  
Bump Plug 8:29pm 550psi

1st w/ 304SKs cement 3 gal RCL & Dye BBLs Back 8  
Roger Foster WSS 1-25-12  
AUTHORIZATION TO PROCEED TITLE DATE