

# BISON OIL WELL CEMENTING, INC.



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INVOICE # 11376  
LOCATION WCR 47+62  
FOREMAN Mike Rosalce

## TREATMENT REPORT

DATE <u>2-21-12</u>	WELL NAME <u>Mansfield E 36 - 65 HW</u>	SECTION <u>36</u>	TWP <u>6N</u>	RGE <u>65</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H+P 343</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION		TIME LEFT LOCATION				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>620</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<del>523.66</del> <u>529.38</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>612.84</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>36 105</u>	PACKER DEPTH	[ ] SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION <u>Good</u>		[ ] PRODUCTION CASING		INITIAL BPM	
		[ ] SQUEEZE CEMENT		FINAL BPM	
		[ ] ACID BREAKDOWN		MINIMUM BPM	
		[ ] ACID STIMULATION		MAXIMUM BPM	
		[ ] ACID SPOTTING		AVERAGE BPM	
		[ ] MISC PUMP			
		[ ] OTHER		HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, Sattymulm, PSI TEST 500 PSI Circ 40 BBIs H<sub>2</sub>O / KCL mix  
2" 10 Dye mix + Pump 334 SKS Cement (300% excess) 1.27 yick at 15-21 BS or until  
Compenmen stoppes us Release Plug Displace 44 BBIs H<sub>2</sub>O Bump Plug 150 PSI over  
lift wait couple min Release PSI, Wash up Rig Down Slurry 75.54  
Run with 650 SKS Cement 17 gts KCL 1602 Dye 1420 PSI

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS Sattymulm 9:30 AM Circ 11:15 AM Cement 11:23 AM  
Drop Plug 11:50 AM Displace 11:50 AM

10 BBIs AT 5-2 BBIs/m 11:54 AM 170 PSI Used 19 9/16 EXCESS  
20 BBIs AT 5-2 BBIs/m 11:56 AM 210 PSI Used 307 SKS Cement  
30 BBIs AT 50 BBIs/m 11:58 AM 300 PSI Slurry 69.43  
40 BBIs AT 2-0 BBIs/m 12:01 PM 210 PSI  
44 BBIs AT 1-0 BBIs/m 12:07 PM 150 PSI  
Bump Plug 150 BBIs/m 12:07 PM 1500 PSI  
Flow Collar held BBIs BACK TO P.T

off with SKS Cement 9 gts KCL 4 Dye

John Saut WSS 2-21-12  
 AUTHORIZATION TO PROCEED TITLE DATE