

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9338  
LOCATION WR 68+61 1/2  
FOREMAN Daniel Sattenar

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TRP	RAE	COUNTY	FORMATION
11-6-10	Bashor PC AA-17-17	17	6W	63W	weld	
CHARGE TO	Noble					
MAJOR ADDRESS	Noble					
CITY	Ende 21					
STATE ZIP CODE						
TIME ARRIVED ON LOCATION	11:01 AM					
TIME LEFT LOCATION	5:00 PM					

### WELL DATA

WELL SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
12 1/2			
TOTAL DEPTH 565-2	SHOTS FT		
PTD 515-61	OPEN HOLE		
FACEING DEPTH 858			
FACEING DEPTH 558-66			
CALIPER DEPTH 24 #			

### TREATMENT RATE

PRESSURE LIMITATIONS		TREATMENT RATE	
TYPE OF TREATMENT	TYPE OF TREATMENT	BREAK-DOWN BPM	
<input checked="" type="checkbox"/> SURFACE PIPE	<input checked="" type="checkbox"/> SURFACE PIPE	INITIAL BPM	
<input type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> PRODUCTION CASING	FINAL BPM	
<input type="checkbox"/> SURFACE CEMENT	<input type="checkbox"/> SURFACE CEMENT	MINIMUM BPM	
<input type="checkbox"/> LANDING BREAK-DOWN	<input type="checkbox"/> LANDING BREAK-DOWN	MAXIMUM BPM	
<input type="checkbox"/> ACID STIMULATION	<input type="checkbox"/> ACID STIMULATION	AVERAGE BPM	
<input type="checkbox"/> ACID SPOTTING	<input type="checkbox"/> ACID SPOTTING		
<input type="checkbox"/> TRASE PUMP	<input type="checkbox"/> TRASE PUMP		
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	POD BPM - RATE X PRESSURE X 2.8	

### PRESSURE SUMMARY

PERFORATION DEPTH	PO	AVERAGE	PO
FINAL DEPTH	PO	PO	PO
ARRIVAL	PO	5.000 GPM	PO
MAXIMUM	PO	15.000 GPM	PO
MINIMUM	PO		PO

PERF. FROM FEED TO JOB  
Rig up, Safety meeting, PSI test to 500 psi CIRC 30 bbls of H<sub>2</sub>O w/ KCL 2nd 10 w/ 100z Nye, mix + pump 239 sks of cement @ 30% Excess @ 15.210 @ 1.27 yield or until stopped by Co man. Drop Plug, Displace 32-8 bbls of H<sub>2</sub>O Bump Plug @ 150 psi. Over 100 psi, wait 5 min Release PSI 4K Skip A/S Down  
Arrived w/ 550 sks of cement 591 KCL 320z Dye

### JOB SUMMARY

LESS TOP OF FEED JOB EVENTS  
Drop Plug 4:04 AM Displace 4:04 AM CIRC 3:35 AM Cement 3:16 AM

10 bbls 5.0/m 180psi 4:09 AM  
20 bbls 5.0/m 190psi 4:11 AM  
30 bbls 1.0/m 200psi 4:14 AM  
32.8 bbls 1.0/m 210psi 4:16 AM  
Bump Plug 320 psi 4:16 AM

Left w/ 286 sks of cement 4:10 KCL 220z Dye

4 bbls of Slurry Bulk

Robert C. S.

WELL HEADWORK SHEET

TITLE

DATE

11-6-10