

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11032

LOCATION 78-63

FOREMAN *Kirk Kallhaer*  
*Pete, Lem, Pablo*

## TREATMENT REPORT

DATE 5-29-12	WELL NAME Bashor AC 18-62 NW	SECTION 18	TWP 7N	RGE 63W	COUNTY weld	FORMATION
CHARGE TO <i>Noble</i>		OWNER				
MAILING ADDRESS		OPERATOR <i>Noble</i>				
CITY		CONTRACTOR <i>H&amp;P 322</i>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <i>1:00am</i>		TIME LEFT LOCATION <i>11:30am</i>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <i>13 3/4</i>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <i>1104</i>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<i>POTD 1052.23</i>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <i>9 5/8</i>	TUBING CONDITION		TUBING		
CASING DEPTH <i>1056.35</i>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <i>3616</i>	PACKER DEPTH		<input checked="" 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 HP = RATE X PRESSURE X 40.8
CASING CONDITION <i>good</i>					

### PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB *Rig up safety meeting, Perccoman Cir 40 BAS PD H2O, mix Pump lead cement 301SKS at 20% excess at 1.69 yield at 13.1 lbs, mix Pump tail cement 140SKS at 15.2 lbs at 1.27 yield, Release Plug Disp 81.3 BBS H2O, Pump Plug at 300psi over lift Pij, wait 5 min Release Pij, wait up Rig Down*  
*Arrived w/ 750SKS cement 4 gal Kel 16oz Dye* *122.1 BBS slurry*

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS *Safety meeting 9:35am Cir 10:01am cement 10:07am start cement 10:39am*  
*Dreg Plug 10:42am Displace 10:42am*  
*10 BBS at 6 BBS/m 10:44am 300psi* *Pump Plug at 10:57am 530psi*  
*20 BBS at 6 BBS/m 10:46am 300psi*  
*30 BBS at 6 BBS/m 10:47am 300psi* *used 20% excess lead*  
*40 BBS at 6 BBS/m 10:48am 400psi* *Lead used 301SKS cement 90.5 BBS slurry*  
*50 BBS at 6 BBS/m 10:50am 400psi* *tail used 140SKS cement 31.6 BBS slurry*  
*60 BBS at 6 BBS/m 10:51am 500psi*  
*70 BBS at 6 BBS/m 10:53am 550psi* *441SKS cement total 122.1 BBS slurry total*  
*80 BBS at 1 BBS/m 10:57am 300psi*  
*81.3 BBS at 1 BBS/m 10:57am 300psi*  
*Lead 309SKS cement 3 gal Kel 16oz Dye* *BBS Back 26*

AUTHORIZATION TO PROCEED

*Coker*  
TITLE

5-29-12  
DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.