

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9754  
LOCATION WCR 55 1/2 + 388  
FOREMAN Daniel S. Hansen

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-21-11	Wacker B-10-200	10	5N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENISW 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>1:05 AM</u>	TIME LEFT LOCATION <u>4:30 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>5750'</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>512.89</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>560.00</u>		TREATMENT VIA			
CASING WEIGHT <u>24#</u>	PACKER DEPTH				
CASING CONDITION <u>good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SOOZE CEMENT	FINAL BPM		
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM		
MINIMUM psi			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM		
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM		
			<input type="checkbox"/> MISC PUMP			
			<input type="checkbox"/> OTHER			
				HYD HHP = RATE X PRESSURE X 40.8		

INSTRUCTIONS PRIOR TO JOB Ris up, Safety meeting, psi test, Circ 30 bbls of H<sub>2</sub>O w/ 2nd 10w Dye mix + pump  
243 stks of cement @ 30% excess @ 1500 psi @ 1.27 vielder until stopped by Co man, Drop Plug replace  
329 bbls of H<sub>2</sub>O Pump Plug @ 150 psi over lift psi wait 5 min. Release psi wash up Plug down  
H<sub>2</sub>O test ok

Arrival w 600 stks of cement + 9 gal KCL 32oz Dye 54.9 bbls of slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 2:29 AM Circ 2:17 AM Cement 2:57 AM  
Drop Plug 3:21 AM Displace 3:21 AM

10 bbls 5.0 390 psi 3:30 AM used 907 stks of cement  
20 bbls 5.0 420 psi 3:32 AM 118% excess  
30 bbls 2.5 270 psi 3:34 AM 92.0 bbls of slurry  
329 bbls 1.0 310 psi 3:35 AM  
Pump Plug 390 psi 3:35 AM

Left w 293 stks of cement 3 gal KCL 16 oz Dye  
22 bbls of slurry back

AUTHORIZATION TO PROCEED

TITLE

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