

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9818  
LOCATION Hay 257 + 54  
FOREMAN Daniel Saltzman

## TREATMENT REPORT

DATE <u>5-26-11</u>	WELL NAME <u>Phillips PC N24-29D</u>	SECTION <u>24</u>	TWP <u>5N</u>	RGE <u>67W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>FNISIN 136</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>13:00 AM</u>			TIME LEFT LOCATION <u>4:45 AM</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>564.0</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTP 512.57</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>556.0</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2 1/4</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER		HYD IHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB: Rig up, Safety meeting, Psi test, Circ 30 bbls of H<sub>2</sub>O w/ KCL 2nd 10 w/ 10oz Dye, mix pump 239 sks of Cement @ 30% Excess @ 15.2" @ 1.27 yield or until stopped by Company Drop Plug. Di. 32.6 bbls of H<sub>2</sub>O Bump Plug @ 150 psi over 1.4 psi, wait 5 min Release psi washup Rig Down

Arrived w/ 700 sks of Cement 391 KCL 3202 Dye 54 bbls of Slurry

OB SUMMARY  
DESCRIPTION OF JOB EVENTS: Safety meeting 3:08 AM Circ 3:28 AM Cement 3:53 AM  
Drop Plug 3:50 AM Displace 3:50 AM

10 bbls	6.0/m	270 psi	3:56 AM	8% Excess
20 bbls	6.0/m	440 psi	3:58 AM	200 sks Cement
30 bbls	1.0/m	460 psi	4:01 AM	45.2 bbls of Slurry
32.6 bbls	1.0/m	380 psi	4:03 AM	
Bump plug	680 psi		4:03 AM	

Left w/ 500 sks 291 lot KCL 2202 Dye 7 bbls of slurry Back

Michael M. [Signature] AUTHORIZATION TO PROCEED  
TITLE  
DATE 5-26-11