

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9747
LOCATION WCR 44+57
FOREMAN Daniel Scott Hemm

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-9-11	Colman C 23-29D	23	4N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENGIN 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>8:36pm</u>	TIME LEFT LOCATION <u>12:15am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
<u>12 1/4</u>					
TOTAL DEPTH <u>577.00</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE MINULUS LONG		
<u>PBTD 524.90</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH	567.0'	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT	29#	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION	Good		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Psi test, Circ 30 bbls of H₂O w Kcl 2nd 10w Red Dye, mix & pump 244 SKs of Cement @ 30% Excess @ 15.2" CI. 27 yield or until stopped By Company, Drop plug, Displace 33.5 bbls of H₂O Bump Plug @ 150 psi over lift psi, Wait 5min Release Psi washup Rig Down
H₂O test OK
Arrived w 750 SKs of Cement 3 gal Kcl 32 oz Dye 551 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 10:26pm Circ 10:57pm Cement 11:04pm
Drop Plug 11:21pm Displace 11:21pm

10 bbls	5.0/m	210psi	11:26pm	Used 236 SKs of Cement
20 bbls	5.0/m	270psi	11:28pm	2.5% Excess
30 bbls	2.5/m	250psi	11:31pm	53.3 bbls of Slurry
33.5 bbls	1.0/m	220psi	11:33pm	
Bump Plug	490psi		11:33	

Left w 514 SKs of Cement 2 gal 10t Kcl 22 oz Dye
10 bbls of Slurry Back

Erik Cousins NEI WSS 3-9-11
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