

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9641
LOCATION Hwy 392 & 61
FOREMAN Grant Lowe

TREATMENT REPORT

DATE <u>3-20-11</u>	WELL NAME <u>N CLP PC AA 08-03D</u>	SECTION <u>8</u>	TWP <u>6N</u>	RGE <u>63w</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Saxon Rig # 143</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>5:20 pm</u>		TIME LEFT LOCATION <u>3:30 am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>568</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD-520.58</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>562.68</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lbs</u>	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			[] PRODUCTION CASING		INITIAL BPM

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 per Co Man, Press test 1000 lbs, circ run 30 bbls H₂O with KCL with Dye x 10 in 2nd 10 bbls, mix and pump til dye is seen, then pump tub only, @ 15, 2 with yield 1.27, drop plug displace 33.1 bbls bump plug @ 500 psi over lift press, hold for 5 min, bleed off press, wash up rig down, H₂O tested good. We have 700 sks, 32 oz dye, 14 gts KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting, circ 12:54 AM, Circ 207 AM, Cement 2:12 to 2:24 AM drop plug @ 2:26 AM, displace 2:27 AM,
10 bbls - 2:30 AM @ 180 psi @ 7.0 bbls/min
20 bbls - 2:32 AM @ 390 psi @ 7.0 bbls/min
30 bbls - 2:33 AM @ 380 psi @ 4.5 bbls/min
33.1 bbls 2:37 AM @ 200 psi @ 1.0 bbls/min
Did not bump plug, Float collar held
used 204 sks, 46.74 bbls slurry, 10% excess
left with 496 sks, 22 oz dye, 11 gts KCL

7 bbls to pit

	<u>3-20-11</u>
AUTHORIZATION TO PROCEED	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.