

BISON OIL WELL CEMENTING, INC.



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

REF. INVOICE # 9759
LOCATION Hwy 392 & 61
FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE 3-29-11	WELL NAME NCLP PC AA 08-020	SECTION 8	TWP 6N	RGE 63w	COUNTY Weld	FORMATION
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR Saxon 143			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 6:30pm			TIME LEFT LOCATION 10:30pm			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 580.0	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTP 525.9	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 580.0		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24#	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

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, PSI test, Circ 30 bbls of H₂O w KCL 2nd 10 w 10oz Dye mix
+ Pump 2 1/2 SKS of Cement @ 36% Excess @ 152" @ 1.27 yield, or until stopped by Conman. Drop
Plug Displace 32.8 bbls of H₂O. Bump Plug @ 150 psi over 1.44 psi, wait 5 min Release psi wash w P
Rig Down

Arrived w 700 SKS of Cement 3 gal KCL 32 oz Dye 55.6 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 8:40pm Circ 9:02pm Cement 9:16pm
Drop Plug 9:36pm Displace 9:36pm

10 bbls	5.0/m	200 psi	9:40pm	0% Excess
20 bbls	5.0/m	280 psi	9:42pm	189 SKS of Cement
30 bbls	2.5/m	310 psi	9:44pm	42.7 bbls of Slurry
32.8 bbls	1.0/m	260 psi	9:47pm	
Bump Plug 400 psi 9:47pm				

Let w 511 SKS of Cement 2 gal 1st KCL 22 oz Dye 8 bbls of Slurry Back

[Signature] Coman 3-29-11
AUTHORIZATION TO PROCEED TITLE DATE

Customer 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.