

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8691

LOCATION WCR 43+26

FOREMAN Daniel Saltzman
Kirk Fred Mike

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-11-04	Cannon X 03-300	34	3N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN 55</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:54am</u>	TIME LEFT LOCATION <u>4:50pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>780.0</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>1 ATP 729.59</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>772.27</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>32#</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>good</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
			<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 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. Circ 46 bbls of H₂O w/ Kcl and 10 w 7oz Dye. mix & pump 330 sks of cement @ 30% excess @ 15.2' @ 1.27 yield or until stopped by Co man. Drop Plug Displace 44.4 bbls of H₂O bump Plug @ 150 psi over 1. ft psi wait 5 min. Reduce psi washup Rig Down
water test ok

Arrived w 750 sks of cement 391 Kcl 16oz Dye 74.5 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 3:05pm Circ 3:24pm Cement 3:31pm
Drop Plug 3:53pm Displace 3:53pm

10 bbls	5.0/m	420 psi	3:56pm	used 357 sks of cement 40% excess 90.2 bbls of Slurry
20 bbls	5.0/m	410 psi	3:59pm	
30 bbls	5.0/m	450 psi	4:01pm	
40 bbls	2.5/m	320 psi	4:04pm	
44.4 bbls	1.0/m	280 psi	4:08pm	
Bump Plug		470 psi	4:08pm	

Left with 393 sks of cement 291 Kcl 9oz Dye
18 bbls of slurry Back

[Signature]
AUTHORIZATION TO PROCEED

TITLE

DATE 12-11-09