

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9544
LOCATION WCR 74 + 63
FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-2-11	NCLP PG AA 4-25	4	6N	63W	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	Cade 22
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	1:45 pm	TIME LEFT LOCATION	8:50 pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	12 1/4	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	583.10	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
POTD	531.49	TUBING WEIGHT		STRING	
CASING SIZE	8 5/8	TUBING CONDITION		TUBING	
CASING DEPTH	575.10	TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT	24#	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION	good			<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

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 10w
10oz Dye, mix & pump 30% excess 247 sts of cement @ 15.2' @ 1.27 yield or until
Stopped by Co man, Drop Plug Displace 34.6 bbls of H₂O Pump Plug @ 150 psi over lift
PSI wait 5 min Release PSI wash up Rig Down
Arrival w/ 450 sts of cement 4al Kcl 32oz Dye
HB test OK
55.8 bbls of slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Safety meeting 6:44 pm Circ 7:15 pm Cement 7:27 pm
Drop Plug 7:49 am Displace 7:49 pm

10 bbls	5.0/m	170 psi	7:54 pm	used 50% excess
20 bbls	5.0/m	200 psi	7:56 pm	286 sts of cement
30 bbls	2-5/m	210 psi	8:02 pm	64.6 bbls of slurry
34.6 bbls	1.0/m	200 psi	8:04 pm	
Pump Plug	400 psi		8:04 pm	

Left with 16'1" sts 3al 1st Kcl 22oz Dye
14 bbls of slurry back

[Signature]

AUTHORIZATION TO PROCEED

TITLE

DATE

1-2-11

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