

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE #

LOCATION

FOREMAN

11065
68869
Tucker, Lubenka, H/
Don, Gosh

TREATMENT REPORT

DATE 7/25/12	WELL NAME Cattle Ranch AP 6-68-114	SECTION 60	TWP 6N	RGE 62W	COUNTY Weld	FORMATION
CHANGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR H&P 343				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 7:00 am		TIME LEFT LOCATION 10:20 am				

WELL DATA				PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
13 3/4			SURFACE PIPE ANNULUS LONG		
TOTAL DEPTH 668	TUBING DEPTH	SHOTS/FT	STRING		
PBTD 619	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING SIZE 9 5/8	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
CASING DEPTH 663			TREATMENT RATE		
CASING WEIGHT 36 lbs	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		

INSTRUCTIONS PRIOR TO JOB Rig up Saffrey mixing P&T test Per. cement cure 50 bbls kee 1120 2nd w/dgc
mix pump 360 sls cement at 30% excess w/yield 1.27 at 15.2 lbs or until cement stop up. Release
Plug disp 478 bbls 1120 Pump Plug 150 p: over 100 psi wait 5 min release psi 6-ship rig down
1120 test ok

Approved w/ 650 sls cement 4 gal kee 16 ozalge 81.4 bbls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Saffrey mixing 8:46 am Cure 9:08 Cement 9:18
Stop cement 9:36 Drop Plug 9:44 Plug 9:44

10 bbls at	9:45 am	200 psi	used 28 1/2 excess
20 bbls at	9:46	250 psi	used 357 265 cement
30 bbls at	9:48	390	80.7 bbls 1120 slurry
40 bbls at	9:50	480	
478 bbls at	9:54	500	
Pump Plug at	9:54 am	500 psi	

B&S Rock 5

AUTHORIZATION TO PROCEED

TITLE

DATE

Customers hereby acknowledge and specifically agree 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