

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9208

LOCATION Cr 122-85

FOREMAN Kirk Kallhauff
Mike R. Tucker

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-24-10	Haynes 1062-1-11	1	10 N	62W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Fort S
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 1:30 pm	TIME LEFT LOCATION 6:00 pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED	
TOTAL DEPTH 1075.1	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBSD 1024.59	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 1068.71		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE	
CASING WEIGHT 24 lb	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 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, Psitest, circ 40 BBLS H2O and 104 Dye mix & Pump 220 sks cement
Lead at 2590 Excess at 1.69 yield at 13.1 lbs, mix & Pump Tail 100 sks cement at 1.27 yield at 15.2 lbs or until
crown stops us, Release Plug Displace 661 BBLS H2O, Bump Plug at 150. Psitest Lift Psi, wait 5 min
Release Psi, wash up Rig Down - H2O test OK

Arrived w/ 750 sks cement 4 gallons Kel 1602 Dye 661 BBLS slurry Lead
22.6 BBLS slurry Tail

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 4:07 pm circ 4:26 pm cement 4:51 pm
Drop Plug 5:17 pm Displace 5:17 pm
10 BBLS At 5.5 BBLS/m 5:20 pm 350 psi used 20% Excess
20 BBLS At 5.5 BBLS/m 5:22 pm 370 psi used 312 sks cement
30 BBLS At 5.5 BBLS/m 5:24 pm 400 psi 661 BBLS slurry Lead
40 BBLS At 5.5 BBLS/m 5:26 pm 480 psi 22.6 BBLS slurry Tail
50 BBLS At 5.5 BBLS/m 5:28 pm 570 psi
60 BBLS At 5.5 BBLS/m 5:31 pm 440 psi
65.2 BBLS At 1.0 BBLS/m 5:33 pm 380 psi
Bump Plug 5:33 pm 540 psi

LFd

BBLS Back 19

AUTHORIZATION TO PROCEED

TITLE

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.