

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11322

LOCATION 68-69

FOREMAN Kirk Kallhauff
Pablo marie

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-10-12	Wells Branch A# 28-60-11-1	8	6N	62W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Engen 136
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 5:30am	TIME LEFT LOCATION 8:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 787	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 734	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 777		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 36 lb	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			BYPASS PIPE		
			BREAKDOWN BPM		
			INITIAL BPM		
			FINAL BPM		
			MINIMUM BPM		
			MAXIMUM BPM		
			AVERAGE BPM		
			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, Pretest, De-remains, Circ 60 BBLs RL HQ 2nd 100 Dye, Mix Pump
424 SKs cement at 30% Excess at 15.2 lbs, at 127 yield or until all remains stops, Release Plug Disp
56.7 BBLs HQ, Pump Plug at 150 psi over L.F. PSI wait 5 min Release PSI, wash up, Rig Down
HQ OK

Arrived w/ 750 SKs cement 4 seal RL 1600 Dye 95.9 BBLs slurry

JOB SUMMARY			
DESCRIPTION OF JOB EVENTS: Safety meeting 6:35am Circ 7:00am cement 7:00am stop cement 7:30am			
Disp Plug 7:32am Displace 7:32am			
10 BBLs At 6 BBLs/min	7:34am	300psi	Used 10% Excess
20 BBLs At 6 BBLs/min	7:35am	400psi	Used 359 SKs cement
30 BBLs At 6 BBLs/min	7:37am	450psi	81.2 BBLs slurry
40 BBLs At 6 BBLs/min	7:38am	550psi	
50 BBLs At 3.5 BBLs/min	7:40am	400psi	
56.7 BBLs At 1 BBL/min	7:42am	300psi	
Pump	7:42am	550psi	

L.F. w/ 391 SKs cement 2 seal 245 SKs 600 Dye BBLs Back 9

[Signature] Well Site Supervisor 9-10-12
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