

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11259

LOCATION Wells Ranch

FOREMAN Mike Rosalez

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-28-12	Wells Ranch AA-12-63-1AW	12	6N	43	Weld	
CHARGE TO		OWNER				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION		TIME LEFT LOCATION				
12:30 PM		5:00 AM				

WELL DATA				PRESSURE LIMITATIONS	
HOLE SIZE	13 3/4	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	730	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
PBTD 630.44		TUBING WEIGHT		STRING	
CASING SIZE	9.578	TUBING CONDITION		TUBING	
CASING DEPTH	725.19	TREATMENT V/A		TYPE OF TREATMENT	
CASING WEIGHT	36 LBS	PACKER DEPTH		TREATMENT RATE	
CASING CONDITION	Good			<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER	
PRESSURE SUMMARY				BREAKDOWN RPM INITW RPM FINAL RPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM $HPD \text{ (HP)} = \text{RATE} \times \text{PRESSURE} \times 47.8$	
BREAKDOWN OF DRILLATION	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 Saffymechy. PSI TEST 1000, SPACER 50 BBL/H2O KCL mix 2" 10 Dye Mix + Pump 393 SKS Cement (30% Excess) / 27 yield at 15.2 LBS or until Company man stops us. Release Plug, Displace 52.5 BBL/H2O, Pump Plug 150 dyer 1/8" WAT Couple min. Release PSI, Pressure TEST Casing 1,000 PSI hold 15 min Release PSI WASHUP Rig Down. ARRIVED with 600 SKS Cement 5 gals KCL 16.02 Dye

JOB SUMMARY: DESCRIPTION OF JOB EVENTS: Saffymechy 2:35 AM SPACER 3:09 AM mix Cement START 3:20 STOP Cement 3:43 PM Drop Plug 3:47 PM Displace 3:47 PM

10 BBLs at 5-5 BBL/H 3:50 PM 320 PSI used 38 % Excess  
 20 BBLs at 5-5 BBL/H 3:52 PM 380 PSI used 921 SKS Cement  
 30 BBLs at 5-5 BBL/H 3:54 PM 440 PSI Slurry 95.2  
 40 BBLs at 5-5 BBL/H 3:56 PM 490 PSI  
 50 BBLs at 3-5 BBL/H 3:58 PM 280 PSI Pressu Test 4:02 + 4:17  
 52.5 BBLs at 1-3 BBL/H 3:58 PM 290 PSI  
 Pump Plug 1-3 BBL/H 5:30 530 PSI  
 Lett with 180 SKS Cement 5 gals KCL 0 Dye BBH BACK to P.T 15

*[Signature]*  
AUTHORIZATION TO PROCEED

COMAN  
TITLE

8/28/12

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.