

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11323  
LOCATION 6869  
FOREMAN Kirk Kallala  
Palo, mario

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-17-12	<u>Wells Branch AEOB 62-11H</u>	<u>S</u>	<u>6N</u>	<u>62W</u>	<u>Weld</u>	

CHARGE TO <u>Nagle</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Nagle</u>
CITY	CONTRACTOR <u>Ensign 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:15pm</u>	TIME LEFT LOCATION <u>8:15pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
<u>13 3/4</u>			SURFACE PIPE ANNULUS LONG		
TOTAL DEPTH <u>749</u>	TUBING DEPTH	SHOTS/FT	STRING		
<u>BBTD 695</u>	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING SIZE <u>4 5/8</u>	TUBING CONDITION		TYPE OF TREATMENT		TREATMENT RATE
CASING DEPTH <u>739</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>3615</u>	PACKER DEPTH		TYPE OF TREATMENT		TREATMENT RATE
CASING CONDITION <u>good</u>			TYPE OF TREATMENT		TREATMENT RATE
PRESSURE SUMMARY			TREATMENT RATE		
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	BREAKDOWN BPM	
FINAL DISPLACEMENT	psi	ISIP	psi	INITIAL BPM	
ANNULUS	psi	5 MIN SIP	psi	FINAL BPM	
MAXIMUM	psi	15 MIN SIP	psi	MINIMUM BPM	
MINIMUM	psi			MAXIMUM BPM	
				AVERAGE BPM	
				HYD HP = RATE X PRESSURE X 40 S	

INSTRUCTIONS PRIOR TO JOB Rig up, set cementing, Packed, Perforation - Cier 50 BBls Kd H2O 2nd 100/ Dye mix Pump  
40.5 sh cement at 30% excess at 127 yield at 152 lbs or until cement stops, Release Plug Disp  
53.7 BBls H2O, Pump Plug at 150 psi, over lift Psi, wait 5 min Release Psi, wash up Rig Down  
H2O try ok

Arrival w/ 1000 SKs cement 4 gal Kd 16oz Dye 9:16 BBls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Set cementing 5:47pm Cier 6:11pm cement 6:50pm stop cement 7:18pm

Disp Plug 7:19pm Displace 7:19pm  
10 BBls At 6 BBls/min 7:21pm 300psi  
20 BBls At 6 BBls/min 7:23pm 400psi  
30 BBls At 6 BBls/min 7:25pm 400psi  
40 BBls At 6 BBls/min 7:26pm 450psi  
50 BBls At 3.5 BBls/min 7:28pm 380psi  
53.7 BBls At 1 BBls/min 7:30pm 300psi  
Pump Plug 7:30pm 580psi

used 30% Excess  
used 40.5 SKs cement  
9:16 BBls slurry

Left w/ 195 SKs cement 2 gal 30psi Kd 16oz Dye BBs Back 28

D. Miller  
AUTHORIZATION TO PROCEED

Well site Supervisor

7-17-12  
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.