

BISON OIL WELL CEMENTING, INC.



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Denver, Colorado 80202
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REF INVOICE # 11324

LOCATION 68-69

FOREMAN Kirk Killebrew
Paso, maric

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-14-12	Wells Branch #8 CR-641-114W	8	6.2	6.2	Weld	

CHARGE TO NCSL	OWNER
MAILING ADDRESS	OPERATOR NCSL
CITY	CONTRACTOR Essig 136
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:00am	TIME LEFT LOCATION 6:00pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
13 3/4					
TOTAL DEPTH 736	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PSTO 682	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 726		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 3615	PACKER DEPTH		4" SURFACE PIPE	TREATMENT RATE	
CASING CONDITION good			1" PRODUCTION CASING	BREAKDOWN BPM	
			1" SOLE CEMENT	INITIAL BPM	
			1" ACID BREAKDOWN	FINAL BPM	
			1" ACID STIMULATION	MINIMUM BPM	
			1" ACID SPOTTING	MAXIMUM BPM	
			1" MISC PUMP	AVERAGE BPM	
			1" OTHER	HYD HP = 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 Pump, Safety meeting, Pretest, Pre-remedy, Cir 500 Bbls Kel H2O 2nd 1000 Dye mix Pump
397 SR cement at 30% Excess at 1127 yield at 15.2 lbs cement. All cement stops 415, Release Plug Disp
52.7 Bbls H2O Pump Plug At 150 Psi over 6.0 PSI, wait 5 min Release Psi, washup, Big Pump
H2O test at

Arrived w/ 750 SR cement 4 gal Kel 1 bar Dye 89.7 Bbls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 4:07pm Cir - 4:26pm cement 4:33pm slurry cement 4:53pm
Dye Plug 4:57pm Displace 4:57pm
10 Bbls At 6 Bbls/m 4:59pm 350psi used 10% Excess
20 Bbls At 6 Bbls/m 5:00pm 400psi used 336 SR cement
30 Bbls At 6 Bbls/m 5:01pm 450psi 75.9 Bbls slurry
40 Bbls At 6 Bbls/m 5:03pm 500psi
50 Bbls At 2.5 Bbls/m 5:05pm 350psi
52.7 Bbls At 1 Bbl/m 5:06pm 350psi
Pump Plug 5:06pm 530psi

Left w/ 414 SR cement 2 gal 3 gal Kel 6 bar Dye Bbls Pink 9

[Signature] Well site Supervisor 9-14-12
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