

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10758

LOCATION WCR 70+61

FOREMAN Mike Rosale

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-23-12	Shoemaker AA07-63	12	6N	64W	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	H+P 323
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	4:00	TIME LEFT LOCATION	2:30

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL
TOTAL DEPTH	842	TUBING DEPTH	SHOTS/FT	INSTRUCTED
CD 792.6		TUBING WEIGHT	OPEN HOLE	
CASING SIZE	9 5/8	TUBING CONDITION	STRING	
CASING DEPTH	837.10	TREATMENT VIA	TUBING	

PRESSURE SUMMARY		TREATMENT RATE	
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, Sattymedey, PSE TEST 500 Circ. 50 BBLs H ₂ O/KCL mix 2nd 10 Dye	
mix + Pump 454 Sks Cement (30% Excess) yield 1.27 qt 15.2 lbs or until Compensator stops		1.5, Release Plug Displace 61.2 BBLs H ₂ O Bump Plug 150 PSE over 1st WAIT 5 min Release	
PSE Washup Rig Down		H ₂ O TEST Good	
Arrived with 650 Sks 16 gals KCL 16 oz Dye		Slurry 102.68	

JOB SUMMARY
DESCRIPTION OF JOB EVENTS
Sattymedey 12:00 N Circ 12:24 PM Cement 12:32 PM
Arr DROP Plug 1:05 PM Displace 1:05 PM

10 BBLs at 5.5 BBLs/m 1:08 300 PSE Used 16% 0% Excess
20 BBLs at 5.5 BBLs/m 1:11 380 PSE Used 407 Sks Cement
30 BBLs at 5.5 BBLs/m 1:13 440 PSE Slurry 92.05
40 BBLs at 5.5 BBLs/m 1:15 490 PSE
50 BBLs at 5.0 BBLs/m 1:17 510 PSE Flow Collar held
60 BBLs at 1.0 BBLs/m 1:20 400 PSE
61.2 BBLs at 1.0 BBLs/m 1:22 350 PSE BBLs BACK to PIT
Bump Plug 1.0 BBLs/m 1:22 480 PSE (25)
Left with 50 Cement 11 gals KCL & Dye

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BBLs BACK to PIT
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AUTHORIZATION TO PROCEED
COMMAN
DATE 1-23-12