

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11208

LOCATION _____

FOREMAN Mike Resnik

TREATMENT REPORT

DATE 8-12-12	WELL NAME Ehrlich 023-69 HW	SECTION 23	TWP 4	RGE 67	COUNTY Weld	FORMATION _____
CHARGE TO Nobak		OWNER _____				
MAILING ADDRESS _____		OPERATOR Nobak				
CITY _____		CONTRACTOR HHP				
STATE ZIP CODE _____		DISTANCE TO LOCATION 1				
TIME ARRIVED ON LOCATION 7:00 PM		TIME LEFT LOCATION 1:00 AM				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE _____	PERFORATIONS _____	THEORETICAL _____		INSTRUCTED _____
TOTAL DEPTH 582	TUBING DEPTH _____	SHOTS/FT _____	SURFACE PIPE ANNULUS LONG _____		_____
PBTD 527.2	TUBING WEIGHT _____	OPEN HOLE _____	STRING _____		_____
CASING SIZE 9 5/8	TUBING CONDITION _____	_____	TUBING _____		_____
CASING DEPTH 572	_____	TREATMENT VIA _____	TYPE OF TREATMENT _____		TREATMENT RATE _____
CASING WEIGHT 30100	PACKER DEPTH _____	_____	<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM _____
CASING CONDITION Good	_____	_____	<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM _____
PRESSURE SUMMARY			<input type="checkbox"/> SOOZE CEMENT		FINAL BPM _____
BREAKDOWN or CIRCULATING psi	AVERAGE psi	_____	<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM _____
FINAL DISPLACEMENT psi	ISIP psi	_____	<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM _____
ANNULUS psi	5 MIN SIP psi	_____	<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM _____
MAXIMUM psi	15 MIN SIP psi	_____	<input type="checkbox"/> MISC PUMP		_____
MINIMUM psi	_____	_____	<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40 S

INSTRUCTIONS PRIOR TO JOB

Rig up. Saffymedn. PSI Test 500 PSI Circ 40. BBLs H2O
KCL mix 210 Dye, mix + Pump 314 SKs Cement (30% EXCESS) 1-27 yd
at 15-2700 on until Company man stops us. Release Plug Displace 40.7 BBLs
of H2O. Bump Plug 150 over 1st. Wait couple min Release Port Wash Rig Down
BBLs with SKs Cement 2094 KCL 1602 Dye

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Saffymedn 10:30P. Circ 10:56 PM Cement START 11:10
Cement STOP 11:30 DROP Plug 11:37 PM Displace 11:37A

10 BBLs at 50 BBLs 11:45 PM 290 PSI
20 BBLs at 50 BBLs 11:47 PM 330 PSI
30 BBLs at 50 BBLs 11:49 PM 4100 PSI
10 BBLs at 40 BBLs 11:51 410 PSI
10.7 BBLs at 1-6 BBLs H 54 1-7 BBLs
Bump Plug 1-4 BBLs 12:00

BBLs BACK to PT

Left with SKs Cement 1694 KCL 1602 Dye

(30)

Tim Smith
AUTHORIZATION TO PROCEED

WSS
TITLE

8-12-12
DATE

DATE