

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11549

LOCATION WCR 388-61

FOREMAN Mike Rosale

TREATMENT REPORT

DATE 5-8-12	WELL NAME SLW STATE PL BB 18-45 HV	SECTION 18	TWP 6	RGE G3W	COUNTY Weld	FORMATION
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR H&P 343			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 6:00 PM			TIME LEFT LOCATION 12:00 AM			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 595	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
OTO 546.55	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 590		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36.18	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Saltmectry, PSI TEST 500 PSI Circ 40 BBLs H₂O / KCL mix
2nd Ten Dye mix + Pump sks Cement 321 (30% excess) at 127 gals at 15-2185
on until Compagnon stopper is, Drop Plug Displace 422 BBLs H₂O Bump Plug 150
over 1st wait 10 min Release PSI, Wash up Rig Down Slurry
Arrived work on location 600 sks Cement 16 gals KCL 1602 Dye No Test

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Saltmectry 9:30 PM Circ 10:16 AM Cement START 10:23
Cement STOP 10:43 DROP Plug 10:48 Displace 10:48 AM

10 BBLs at 5-6 BBLs/m 10:53 PM 280 PSI Used 18 % excess
20 BBLs at 5-6 BBLs/m 10:55 PM 320 PSI Used 293 sks Cement
30 BBLs at 5-5 BBLs/m 10:57 PM 380 PSI Slurry 66.2
40 BBLs at 3-2 BBLs/m 11:00 PM 220 PSI
422 BBLs at 1-1 BBLs/m 11:02 PM 230 PSI Flow Coller held
Bump Plug 1-1 BBLs/m 11:02 PM 460 PSI

BBLs Back to P.T

Left with 307 sks Cement 12 gals KCL & Dye

Steve Stapleton
AUTHORIZATION TO PROCEED

TITLE

5-8-12

DATE

Customers hereby acknowledges and specifically agrees 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.