

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11101

LOCATION WCR 49+30

FOREMAN Mike Rosak

TREATMENT REPORT

DATE 7-24-12	WELL NAME ADAMS D30-290	SECTION 30	TWP 3N	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR SAYON 143				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 6:30 P.M.		TIME LEFT LOCATION 9:30 P.M.				

WELL DATA

PRESSURE LIMITATIONS

HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 765	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTS 717	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 762		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 241BS	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			[] PRODUCTION CASING		INITIAL BPM
			[] SOOZE 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

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

Rig up, Saltwater, PSI Test, Circ 40 BBls H₂O / KCL mix 2%
10 Dye, mix + Pump 324 sks Cement (30% Excess) 1.27 gpd 15-2 lbs or under
Company men stopper us, Release Plug Displace 456 BBls H₂O Bump Plug 150 PSI
Over 10ft, Wait Couple min Release PSI Wash up Rig Down
Arrived with 600 sks Cement 10 gals 16 oz Dye

JOB SUMMARY

DESCRIPTION OF JOB EVENTS **Saltwater 7:10 P.M. Circ 8:12 P.M. Cement START 8:26 P.M.**
Cement STOP 8:40 P.M. Release Plug 8:44 P.M. Displace 8:44 P.M.

10 BBls at 5.7 BBls/min 8:46 P.M. 220 PSI used 23% Excess
20 BBls at 5.7 BBls/min 8:48 P.M. 390 PSI 5 sks Cement 307
30 BBls at 5.7 BBls/min 8:50 P.M. 480 PSI Slurry 694
40 BBls at 5.7 BBls/min 8:52 P.M. 370 PSI Flow Collar held
5.6 BBls at 1.5 BBls/min 8:55 P.M. 310 PSI
Bump Plug 1.5 BBls/min 8:55 P.M. 510 P.M.

BBls Back to P-T

Left with 293 sks Cement 6 gals KCL & Dye

(12)

[Signature]
AUTHORIZATION TO PROCEED

TITLE

7-24-12
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.