

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10608

LOCATION WCR 44157

FOREMAN Mike Rosalez
L.R. Mark, ROSE

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-23-11	UPV C-23-27	14	4	64W	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	Ensign 126
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	8:00 PM	TIME LEFT LOCATION	2:00 AM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	13 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH	667	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
PROD 616.33		TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE	8 5/8	TUBING CONDITION		TUBING	

CASING DEPTH	661.75	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT	24 LBS	PACKER DEPTH	1 SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION	Good		1 PRODUCTION CASING	INITIAL BPM

PRESSURE SUMMARY					
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	1 ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	1 ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	1 ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	1 MISC PUMP	
MINIMUM	psi			1 OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSI TEST, Circulate 40 BBls H₂O / KCL mix 2% 100%
mix + Pump 282 sks Cement (30% Excess) yield 127.64 15-2 LBS, or until Compensator stops.
Release Plug Displace 392 BBls H₂O Bump Plug at 150 PSI over-lift wait 5 min Release PSI
Wash up, Rig Down H₂O TEST Good

Arrived with 250 sks Cement 8 gals KCL 1602 Dye Slurry 63

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 12:30 PM Circulate 1:13 AM Cement 1:19 AM
Drop Plug 1:33 AM Displace 1:33 AM

10 BBls at 7-6 BBls/m 1:36 AM 350 PSI Used 0 % Excess
20 BBls at 7-6 BBls/m 1:37 AM 490 PSI Used 214 sks Cement
30 BBls at 5-0 BBls/m 1:39 AM 580 PSI 48 Slurry
392 BBls 1-0 BBls/m at 1:43 AM 650 PSI
Bump plug 1-0 BBls/m 1:43 AM 650 PSI
Flow collar held

BBls Back to PT

Rig up with 536 sks Cement 4 gals KCL 0 Dye

99

AUTHORIZATION TO PROCEED

CO-MAN
TITLE

10-23-11
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.