

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10642

LOCATION Erkley

FOREMAN Tizov's

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-9-11	Unge 1411	11	1N	46W	Yuma	
CHANGE TO <u>Excell</u>			OWNER <u>Noble</u>			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excell rig 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>10 mile min</u>			
TIME ARRIVED ON LOCATION <u>1pm</u>			TIME LEFT LOCATION <u>5pm</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
9 7/8					
TOTAL DEPTH <u>491</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>451</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>7</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>486</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>20 lbs</u>	PACKER DEPTH		1 SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			1 PRODUCTION CASING		INITIAL BPM
			1 SQUEEZE CEMENT		FINAL BPM
			1 ACID BREAKDOWN		MINIMUM BPM
			1 ACID STIMULATION		MAXIMUM BPM
			1 ACID SPOTTING		AVERAGE BPM
			1 MISC PUMP		
			1 OTHER		HYD KHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY			
BREAKDOWN OF 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: MIRO safety circ. mtp 220 SKs of 83-1.14 15.2 lb/gal 1.07 yd
4.2 gal/sk 22 bbls of mix water. Drop plug displace 18.2 bbls set plug
shut well in clean up move off location

JOB SUMMARY

DESCRIPTION OF JOB EVENTS

MIRO 115pm safety circ mtp Drop plug Displace
350pm 358pm 402pm 418pm 418pm

200psi 10 420pm
200psi 18 423pm

83% EXCESS
8 bbls to the pit

McDonald Rough 11-9-11 DATE

AUTHORIZATION TO PROCEED

TITLE

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.