

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10524

LOCATION Eckley Co

FOREMAN Joe Sharp

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10/22/11	Black 22-8	SE 1/4 8	1N	46W	Yuma	
CHANGE TO Excell		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Excell Rig # 2				
STATE ZIP CODE		DISTANCE TO LOCATION 13.5				
TIME ARRIVED ON LOCATION 12:06		TIME LEFT LOCATION 2:40				

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE 9 7/8	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH 502	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE 7"	TUBING CONDITION		TUBING	
CASING DEPTH 497.48		TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT 20	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION good			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
			<input type="checkbox"/> GREEZE CEMENT	FINAL BPM
			<input type="checkbox"/> ACID BREAKDOWN	ANNULUS BPM
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
			<input type="checkbox"/> MISC PUMP	
			<input type="checkbox"/> OTHER	HYD HP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY			
BREAKDOWN OF CIRCULATING psi	AVERAGE psi	ISIP psi	6 MIN SIP psi
FINAL DISPLACEMENT psi			15 MIN SIP psi
ANNULUS psi			
MAXIMUM psi			
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB MTRU, Safety, Break Circulation, MFP, Drop plug, Displace, Shut in RDCU.

0.34 Lbs. type III cement, 50% cement, 50% Ash, 3% calcium.
 15.2 lb/gal; 1.07 yield; 4.2 gal/sack
 24.6 bbl mix H₂O Displace 18.5 bbl 246 sacks
 Annulus total 2646
 Casing cap. 0405

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS MTRU @ 12:50, Safety @ 1:30, Break circulation @ 1:45, MFP @ 1:50, 230 sack

Drop Plug @ 2:10, Displace @ 2:22, Shut in @ 2:30, RDCU @ 2:35, 23 bbl H₂O
 725 10 20
 229.185 180
 15.2 lb/gal

85% excess

14 BBLs Top

Mr. [Signature] Push 10/27/11 DATE
 AUTHORIZATION TO PROCEED TITLE

Customer 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.