

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 7126
LOCATION Wells Ranch
FOREMAN Justin, Kirk, Josh

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-4-08	70 Ranch 05X BB-13-07	13	5N	63W	Weld	-

CHARGE TO <u>Noble Energy</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>Ensign #2</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:00 AM</u>	TIME LEFT LOCATION <u>3:00 A.M.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>575</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	<u>210 sks</u>	<u>40%</u>
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>565</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MINIMUM psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Pump 30 Bbl H₂O/KCL, Mix + Pump 294 sks,
Displace 33.3 Bbl H₂O

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting, mRIRU, Pumped 30 Bbl
H₂O/KCL, mixed + Pumped 294 sks @ 15.2# 1.13 44.77/sk
Dropped Plug, Displaced 33.3 Bbl H₂O, Pumped
Plug @ 700 p.s.i., Shut well in, Cleaned up, RDMC

59.2 Bbl slurry
13 Bbl to Pit

[Signature]
AUTHORIZATION TO PROCEED

TITLE

5-4-08

DATE