

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 6660
LOCATION Cervi Ranch
FOREMAN Justin Dean, Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-23-07	Cervi USX CC 21-10	21	4N	63W	Weld	-

CHARGE TO <u>Noble Energy</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>Ensign #7</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>4:00 A.M.</u>	TIME LEFT LOCATION <u>8:30 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>612</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>605</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 291 sks. Displace 35.2 Bbl H₂O

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting, MIRU, Pumped 30 bbl H₂O/KCL, mixed + Pumped 291 sks @ 15.2" 1.13 yield 4.77 g/sk, Dropped Plug, Displaced 35.2 bbl H₂O, shot well in, cleaned up, RDMT

58.6 Bbl Slurry
2 Bbl to P.H.


AUTHORIZATION TO PROCEED

Co-Mam
TITLE

10-23-07
DATE