

BISON OIL WELL CEMENTING, INC.



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INVOICE # 6581

LOCATION Cervi Ranch

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-5-07	Cervi USX CC 23-2	23	4N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 7</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:45 p.m.</u>	TIME LEFT LOCATION <u>1:30 a.m.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>520</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 443</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>486</u>	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION <u>Good</u>		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM

PRESSURE SUMMARY			
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 Rig up, Safety meeting, Circ 30 bbls. H₂O with KCL, Mix + pump 247 Sacks cement, Drop plug, Displace 28.2 bbls. H₂O, Bump plug at 150 PSI, OVER Lift PSI, Close in well, Wash up, Rig down

49.7 bbls. Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 11:48pm Circ 11:59pm, Cement 17:07pm
Drop plug 12:36am, Displace 12:38am

10 bbls. 200 PSI 12:41am 4.2 bbls./m
20 bbls. 200 PSI 12:44am 3.5 bbls./m
28.2 bbls. 150 PSI 12:48am 1.0 bbls./m

Bump Plug 490 PSI AT 12:48am

16 bbls Slurry To The Bit

AUTHORIZATION TO PROCEED

TITLE

11-5-07

DATE

Customers 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.