

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9227

LOCATION cr 362-61

FOREMAN Rick Kallhoff
Mike R. Tucker L. Grant L.

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-10-10	70 Ranch USX BB 35-02	35	5N	63W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign SS
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 5:45pm	TIME LEFT LOCATION 12:45am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 575	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
PBD 503	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE 8 9/8	TUBING CONDITION			TUBING	
CASING DEPTH 546		TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT 2415	PACKER DEPTH			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION good				<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
				<input type="checkbox"/> SOOEEZ CEMENT	FINAL BPM
				<input type="checkbox"/> ACID BREAKDOWN	MINIMUM 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 HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY			
BREAKDOWN or 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 Rig up, Safety meeting, Psi test, circ 30 BBls H2O 2nd 10/w Dye mix & Pump
243 SKs cement at 1.27 yield at 30% excess at 15.2 lbs or until cement stops up, Release Plug
Displace 32 BBls H2O, Bump Plug at 150 psi over L.P. Psi wait 5 min Release Psi wash up Rig Team
H2O test ok
Arrived w/ 750 SKs cement 4 gallons Red 16oz Dye 521.9 BBls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 11:10pm Circ 11:20pm cement 11:27pm
Drop Plug 11:56pm Displace 11:56pm
used 3/4 SKs cement
used 67% excess
70.5 BBls slurry
10 BBls at 5.5 BBls/m 11:59pm 510psi
20 BBls at 5.5 BBls/m 12:02pm 560psi
30 BBls at 5.5 BBls/m 12:05pm 330psi
32 BBls at 1.0 BBls/m 12:08pm 270psi
Bump Plug 12:08pm 480psi

L.P. w/ 436 SKs cement 3 gallons 1st Red 6oz Dye BBls Back 18
8-10-10

AUTHORIZATION TO PROCEED

TITLE

DATE