

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9025
LOCATION Wells Ranch
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-2-10	Wells Ranch USX AE 31-01P	31	6N	62W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 55</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>7:35 pm</u>	TIME LEFT LOCATION <u>1:00 pm</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>12 1/4</u>				
TOTAL DEPTH <u>575</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>PBTD 525.60</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>567.80</u>		TREATMENT VIA	TYPE OF TREATMENT	
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
			<input type="checkbox"/> SQUEEZE 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, Per Company MAN, Circ 30 bbls H₂O with KCL + DYE 10 in 2nd 10 bbls, Mix + pump Tell Dye is seen then pump tub + 10 bbls Slurry at 15.21 bs 1.27 yield Drop plug, Displace 33.4 bbls H₂O, Bump plug at no more than 150 Psi over Lift Psi Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O tested good, We have 450 Sacks Cement, 26 oz. Dye, 26 Qts KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 11:02 pm, Circ 11:18 pm, Cement 11:27 pm Drop plug 11:52 pm, Displace 11:53 pm

10 bbls 370 Psi 11:57 pm 7.0 bbls/m
20 bbls 430 Psi 11:59 pm 7.0 bbls/m
30 bbls 360 Psi 12:01 am 4.5 bbls/m
33.4 bbls 260 Psi 12:05 am .8 bbls/m

Bump Plug 380 Psi at 12:05 am Psi Held for 5 min.
USED 45% Excess = 271 Sacks Cement, 61.29 bbls Slurry
Left with 179 Sacks Cement, 16 oz. Dye, 23 Qts KCL
22 bbls Slurry To The Pit


AUTHORIZATION TO PROCEED

TITLE

DATE

6-2-10