

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9036
LOCATION Wells Ranch
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-27-10	Wells Ranch USX AE 31-14P	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>12:50 AM.</u>	TIME LEFT LOCATION <u>4:00 AM.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>580.2</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD 526.41</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 3/8</u>	TUBING CONDITION				
CASING DEPTH <u>568.58</u>		TREATMENT VIA			
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH				
CASING CONDITION <u>Good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT	TREATMENT RATE
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 + 56 bbls. Slurry, Drop plug, Displace
33.5 bbls. H₂O, Bump plug at NO MORE THEN 150 Psi OVER Lift Psi, Wait 5 min then bleed off
Psi, Wash up, Rig down, H₂O TESTED good, We have 500 SACKS CEMENT, 26 OZ. DYE,
20 QTS KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 2:02 AM, CIRC 2:16 AM, CEMENT 2:22 AM
Drop plug 2:47 AM, Displace 2:49 AM.

10 bbls. 400 Psi 2:53 AM, 7.0 bbls/m
20 bbls. 470 Psi 2:56 AM, 7.0 bbls/m
30 bbls. 380 Psi 2:58 AM, 4.5 bbls/m
33.5 bbls. 380 Psi 2:59 AM, .8 bbls/m
Bump Plug 520 Psi At 2:59 AM Psi: Held for 5 min, Float Collar did not
Hold Psi up 2 Times, Shut in
USED 40% EXCESS = 264 SACKS CEMENT 59.7 bbls. Slurry
Left with 236 SACKS CEMENT, 10 OZ DYE, 17 QTS KCL
16 bbls Slurry TO THE PIT

AUTHORIZATION TO PROCEED

TITLE

6-27-10

DATE