

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9041
LOCATION Wells Ranch
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-12-10	Wells Ranch USX AE 31-16P	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>11:50 7-11-10</u>	TIME LEFT LOCATION <u>6:30 am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>575</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 521.12</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>564.14</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>2416.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
			<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 x 10 in 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub + 5 bbls slurry, Drop plug, Displace 33.1 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 650 sacks cement, 32 oz Dye, 15 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 4:33 am, Circ 4:44 am, Cement 4:50 am

Drop plug 5:33 am, Displace 5:34 am

10 bbls 460 Psi 5:39 am 7.0 bbls/m

20 bbls 480 Psi 5:40 am 7.0 bbls/m

30 bbls 350 Psi 5:42 am 4.5 bbls/m

33.1 bbls 280 Psi 5:45 am .8 bbls/m

Bump Plug 420 Psi at 5:45 am Psi Held for 5 min

USED 7470 Excess = 325 Sacks, 73.5 bbls slurry

Left with 325 Sacks cement, 12 qts KCL, 22 oz Dye

15 bbls slurry To The Pit

Noble Rep.

7-12-10

AUTHORIZATION TO PROCEED

TITLE

DATE