

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9000

LOCATION Wells Ranch

FOREMAN Kirk Kallho/PF  
Mike R Mike D Mike S

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-9-10	Wells Ranch WSR AE 31-1SP	31	6N	62W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 55</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:00pm</u>	TIME LEFT LOCATION <u>3:30am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>575.1</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 518.4</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 9/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>562.5</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, Bitest circ 30661s H2O and 10w/Dye mix Pump  
243 sls cement at 1.27 yield at 3040 excess at 1512 lbs or until 11 roman steps up, Release  
Plug Displace 3366s H2O, Pump Plug at 150psi over L.P.T. Psi, wait 5min Release Psi  
Wash up Rig Down 1420 test OK  
Arrived w/ 575 sls cement 4 gallons Kcl 16oz Dye 54.9 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 1:55am circ 2:15am cement 2:22am  
Drop Plug 2:42am Displace 2:42am

10 BBLs At 5.5 BBLs/m 2:45am 460psi used 3040 Excess  
20 BBLs At 5.5 BBLs/m 2:48am 550psi used 243 sls cement  
30 BBLs At 2.5 BBLs/m 2:51am 270psi 54.9 BBLs slurry  
33 BBLs At 1.0 BBLs/m 2:54am 230psi  
Pump Plug 2:54am 430psi

L.P.T. w/ 332 sls cement 3 gallons 1 qt Kcl 6oz Dye  
13 BBLs B.R.K 12

AUTHORIZATION TO PROCEED

TITLE

5-9-10

DATE