

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11412  
LOCATION 80269  
FOREMAN Link  
Dario, Tucker, Peter

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-17-12	Bell Ranch AC 15-04	15	7N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Soxon 143</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:00 am</u>	TIME LEFT LOCATION <u>11:30 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>827</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>772-BPTD</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>9 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>817</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 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 Rigup Softgumming PSF test Per - common circ 60 bbls KCL H2O 2nd 10 w/dye  
mrt pump 446 sks cement at 30% excess at 1.27 yield at 30% excess at 15.2 lbs or until common stop  
Release Plug disp 59.6 bbls H2O Pump Plug 150 psi over lift psi, wait 5 min, release psi wash w/  
rig clean H2O test ok  
Arrived w/ 60 sks cement 4 gal KCL 16 oz dye 100.8 bbls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Softgumming 9:32 pm circ 9:57 pm cement 10:06 pm  
Stop cement 10:06 pm Plug 10:28 pm Displace 10:20 pm

10 bbls at 6 bbls/m 10:30 pm 200 psi used 10 excess  
20 bbls at 6 bbls/m 10:32 pm 500 psi used 377 sks cement  
30 bbls at 3 bbls/m 10:34 pm 450 psi 85.2 bbls slurry  
40 bbls at 3 bbls/m 10:36 pm 400 psi  
50 bbls at 3 bbls/m 10:39 pm 400 psi  
59.6 bbls cut 1 bbls/m 10:43 pm 350 psi  
Pump Plug 10:43 pm 630 psi

Left w/ 223 sks cement, 2 gal KCL 10 BBLs Back

(Pm/W. Den) Noble WSS 3-17-12  
AUTHORIZATION TO PROCEED TITLE DATE