

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11445  
LOCATION 34th St  
FOREMAN Tucker Whitlall  
Jesse Rich, Shane, Monty

## TREATMENT REPORT

DATE <u>4/02/12</u>	WELL NAME <u>Gottersen USX021-270</u>	SECTION <u>21</u>	TWP <u>3N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 121</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>12:30 am</u>		TIME LEFT LOCATION <u>5:30 am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>761</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 655.8</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>301</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 1/2</u>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			[ ] PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			[ ] SQUEEZE CEMENT		FINAL BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		[ ] ACID BREAKDOWN		MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		[ ] ACID STIMULATION		MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		[ ] ACID SPOTTING		AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi		[ ] MISC PUMP		
MINIMUM psi			[ ] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up Safety meeting PSI test Per Co-man Circ 40 bbls KCL H<sub>2</sub>O 2nd 16 w/dye  
Mix Pump 301 sls cement at 30% excess at 1.27 yield at 30% excess at 1512 lbs or until co-man steps us  
Release Plug Disp 41.5 bbls H<sub>2</sub>O Pump Plug at 150 psi over 18ft psi wait 5 min, release psi wash up  
rig down  
Arrived w/ 600 sls cement 4 gal KCL 16 oz dye  
H<sub>2</sub>O test ok  
608 bbls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 3:40 am Circ 4:06 Cement 4:13  
Stop cement 4:32 Drop Plug 4:35 Disp 4:35

10 bbls at 6 bbls/mi	4:35	220 psi	Used 1 % excess
20 bbls at 6 bbls/mi	4:40	220 psi	Used 236 sls cement
30 bbls at 6 bbls/mi	4:42	350 psi	53.3 bbls slurry
40 bbls at 1 bbls/mi	4:45	280 psi	
41.5 bbls at 1 bbls/mi	4:50	500 psi	
Bump Plug	4:50 am	500 psi	

Left w/ 364 sls cement 3 gal KCL 602 dye BBK Buck 4

Lenni Rauts Co-Rep 4/02/12  
AUTHORIZATION TO PROCEED TITLE DATE