

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11051  
LOCATION 34 J 53  
FOREMAN Tucker

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6/23/12	Guterson Lunch U21-320	21	3N	69W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Saxon 143</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>1130 am</u>		TIME LEFT LOCATION <u>2130 pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>795</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PSTO <u>733</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>5 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>714</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24163</u>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			[ ] PRODUCTION CASING		INITIAL BPM
			[ ] SQUEEZE CEMENT		FINAL BPM
			[ ] ACID BREAKDOWN		MINIMUM BPM
			[ ] ACID STIMULATION		MAXIMUM BPM
			[ ] ACID SPOTTING		AVERAGE BPM
			[ ] MISC PUMP		
			[ ] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up safety meeting PST test per Co-man Circ 50 bbls 1cc H<sub>2</sub>O 2nd 10/4 dye  
mix & pump 336 sks cement at 70% excess at yield 1:27 at 15.2 lbs until Co-man stop up  
Release Plug displ 466 bbls H<sub>2</sub>O Bump Plug 150 psi over 1st psi wait 5 min release psi washer  
rig down H<sub>2</sub>O test ok  
Arrived w/ 750 sks cement 4 gal 1cc 16 oz dye 75.9 bbls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 12:33 pm Circ 1108 Cement 1:10  
Stop cement 1:26 Prop Plug 1:29 Dip 1:29

20 bbls at	12:31 pm	160 psi	Used 25 % excess Used 321 sks cement 72.6 bbls slurry
20 bbls at	1:33	240	
30 bbls at	1:35	300	
40 bbls at	1:37	330	
46.6 bbls at	1:41	500 psi	
Bump Plug at 1:41 pm 500 psi			

Left w/ 429 sks cement 2 3/4 gal 1cc BBLS back 8

[Signature] AUTHORIZATION TO PROCEED TITLE DATE 6/23/12