

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11391  
LOCATION SS&L  
FOREMAN Link  
Tucker  
Pario

## TREATMENT REPORT

DATE <u>2-11-12</u>	WELL NAME <u>Bosky PC 22-14</u>	SECTION <u>22</u>	TWP <u>1N</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>Cude 21</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>11:15 am</u>		TIME LEFT LOCATION <u>6:45 pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1419</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PB 70</u> <u>1358.0</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1402.75</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>24 lbs</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 Big up Safety Meeting Per Co man, Circ 40 bbls KCL H2O mix & pump  
Lead cement 1.32 yield 14.8 lbs 431 sacks, mix & pump tail yield 1.27 15.2 lbs 100 sacs, release plug  
disp 86.5 bbls H2O, bump plug 150 psi over lift psi. wait 5 min release psi, wash up  
rig down. H2O test ok  
circled with 450 sacs neat cement 200 sacs 3% 4 gallon KCL

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety Meeting 4:10 pm Circ 4:54 pm Cement 5:08 pm Bump Plug 5:38 pm disp 5:38 pm  
10 at 6.0 BBLs/m 5:40 pm 150 psi  
20 at 6.0 BBLs/m 5:42 pm 200 psi  
30 at 6.0 BBLs/m 5:43 pm 250 psi  
40 at 6.0 BBLs/m 5:45 pm 300 psi  
50 at 6.0 BBLs/m 5:47 pm 350 psi  
60 at 6.0 BBLs/m 5:49 pm 400 psi  
70 at 6.0 BBLs/m 5:50 pm 500 psi  
80 at 3.5 BBLs/m 5:54 pm 470 psi  
86.5 at 1.0 BBLs/m 5:56 pm 415 psi  
Bump Plug NO Float held  
left with 195Ks neat cement 100Ks 3% cement 3 gal KCL  
used 20% excess Lead  
used 431 SKS cement Lead  
101.3 BBLs slurry Lead  
used 100 SKS cement tail  
22.6 BBLs slurry tail  
13 BBLs Back 10

AUTHORIZATION TO PROCEED

TITLE

DATE

2-11-12