

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11061

LOCATION 129 & 104

FOREMAN Tucker L. Churkell  
Kirk, Pablo, Ron

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7/14/12	Fiscos LD 22-76.4W	22	9N	58W	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	H&P 326
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	10:30 am	TIME LEFT LOCATION	5:30 pm

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
13 3/4				
TOTAL DEPTH 1610	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
PBTD 1555	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE 9 5/8	TUBING CONDITION		TUBING	
CASING DEPTH 1600	TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT 40 lbs	PACKER DEPTH		1 SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION Good			1 PRODUCTION CASING	INITIAL BPM
			1 SOEEZE CEMENT	FINAL BPM
			1 ACID BREAKDOWN	MINIMUM BPM
			1 ACID STIMULATION	MAXIMUM BPM
			1 ACID SPOTTING	AVERAGE BPM
			1 MISC PUMP	
			1 OTHER	HYD RIP = 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 safety meeting PST test per co-man circ 3'05 cement 3'32 stop cement 4'05  
Lead of 520 sks cement at 20% excess w/ yield of 16.9 at 13.1 lbs or until co-man stops then mix pump a bit of  
100 sks cement w/ yield of 127 at 15.2 lbs Release Plug clip 117.8 lbs then Pump Plug 520 psi over 15 ft psi  
wait 9 min at least psi work up rig down 1170 test ok Lead 158.6 bbls slurry  
Arrived w/ 750 sks cement 4 gal KC 16 oz dye Tail 22.6 bbls slurry

JOB SUMMARY			
DESCRIPTION OF JOB EVENTS			
10 bbls at 4:11 pm	130 psi	Drop Plug 4:08	Disp 4'08 pm
20 bbls at 4:13	110	110 bbls at 4:13 pm	470 psi
30 bbls at 4:15	170	117.8 bbls at 4:16	520 psi
40 bbls at 4:17	170	Pump Plug at 4:16 pm	520 psi
50 bbls at 4:19	170		
60 bbls at 4:20	230		
70 bbls at 4:22	270		
80 bbls at 4:24	330		
90 bbls at 4:27	440		
100 bbls at 4:29	470		
Left w/ cement	gal KC		Bbls Back 9

AUTHORIZATION TO PROCEED  
CO-Manager  
DATE 7/14/12