

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10192

LOCATION 70 Ranch

FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-31-11	70 Ranch BB 21-63 HN	21	5N	63W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR H&P Rig 315
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:50 AM.	TIME LEFT LOCATION 4:00 PM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 627	TUBING DEPTH	SHOTS/FT			
PBTD 579.30	TUBING WEIGHT	OPEN HOLE			
CASING SIZE 9 5/8	TUBING CONDITION				
CASING DEPTH 622.07		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 30 lb.	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			<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 Rig up, Safety meeting PER Company Man, Psi Check 1000 Psi, Mud Flush 65 bbls H<sub>2</sub>O, 1<sup>st</sup> 10 bbls with 75 lbs Sapp, 2<sup>nd</sup> 10 bbls with 1/2 gal. Soap, then 45 bbls with KCL + Dye x 10 in 2<sup>nd</sup> 10 bbls, Mix + pump tell Dye is seen then Mix 10 bbls Slurry + Tub, Drop plug, Displace 44.7 bbls H<sub>2</sub>O, Bump plug at 150 Psi to 200 Psi, Wait 5 min. then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 700 SKs, 32 oz Dye, 20 qts KCL, 100 lbs Sapp, 2 1/2 gals Soap,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 2:03 pm, Mud Flush 2:26 pm, Cement 2:39 pm to 2:56 pm

Drop Plug 2:58 pm, Displace 2:59 pm

10 bbls 370 Psi 3:02 pm 7.0 bbls/m

20 bbls 430 Psi 3:04 pm 7.0 bbls/m

30 bbls 530 Psi 3:05 pm 7.0 bbls/m

40 bbls 410 Psi 3:07 pm 4.5 bbls/m

44.7 bbls 290 Psi 3:09 pm 1.0 bbls/m

Bump Plug 410 Psi at 3:09 pm, Float Collar Held

USED 20% EXCESS = 312 SKs, 70.57 bbls Slurry

Avg Cement 350 Psi, Avg Cement 415 bbls/m

Avg Displace 450 Psi, Avg Displace 6.0 bbls/m

10 bbls Slurry to the Pit.

Left with 388 SKs, 16 oz Dye

15 qts KCL, 50 lbs Sapp,

2 gals Soap

*[Signature]*  
AUTHORIZATION TO PROCEED

TITLE

7-31-11

DATE