

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10379

LOCATION WCR 88+59

FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-26-11	Walcker AB 12-12	12	7N	64W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Code Rig 21
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 1:15 AM	TIME LEFT LOCATION 9:00 AM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 800	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 746.25	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		

CASING DEPTH 787.54	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT 2416	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION Good		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	

PRESSURE SUMMARY					
BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
FINAL DISPLACEMENT psi	ISIP psi	<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
ANNULUS psi	5 MIN SIP psi	<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM	
MAXIMUM psi	15 MIN SIP psi	<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM	
MINIMUM psi		<input type="checkbox"/> MISC PUMP			
		<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, per Company MAN, Circ SD 666 H<sub>2</sub>O with KCL + Dye x 16 in 2<sup>nd</sup> 10 bbls, Next pump tell Dye is seen then pump tub only at 15.2 lbs, 127 yield, Don't go OVER SD % Excess with out Talking, to Company MAN, Drop plug, Displace 47.5 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 600 SKs, 32 oz Dye, 9 qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 6:45 am, Circ 7:00 am, Cement 7:18 am to 9:04 am

Drop Plug 8:05 am, Displace 8:06 am

10 bbls 300 Psi 8:08 am 70 bbls/hr

20 bbls 420 Psi 8:09 am 70 bbls/hr

30 bbls 520 Psi 8:12 am 70 bbls/hr

40 bbls 600 Psi 8:13 am 60 bbls/hr

47.5 bbls 350 Psi 8:16 am 10 bbls/hr

Bump Plug 550 Psi at 8:16 am Float Collar Held

USED 25% Excess = 325 SKs, 73.51 bbls Slurry

Left with 275 SKs, 16 oz Dye, 4 qts KCL

20 bbls Slurry To The P.T

*[Signature]*

AUTHORIZATION TO PROCEED

TITLE

9-26-11

DATE

Customer hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.