

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11228

LOCATION 68-6-9

FOREMAN K. K. K. K. K.  
Mike P. K. K. K.

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-9-12	Wells Pump # 24-67-1H2	74	6A	63W	Weld	

CHARGE TO Able	OWNER
MAILING ADDRESS	OPERATOR West
CITY	CONTRACTOR H&F 321
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 8:00 am	TIME LEFT LOCATION 1:30 pm

WELL DATA			PRESSURE LIMITATIONS		
PIPE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 667	TUBING DEPTH	SHOT/SFT	SURFACE PIPE ANNEALUS LONG		
PBTD 614.73	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 652.7		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36B	PACKER DEPTH		1 SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			1 PRODUCTION CASING		INITIAL BPM
			1 SQUEEZE CEMENT		FINAL BPM
			1 ACID BREAKDOWN		MINIMUM BPM
			1 ACID STIMULATION		MAXIMUM BPM
			1 ACID SPOTTING		AVERAGE BPM
			1 MISC PUMP		
			1 OTHER		HYD HP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING psi	AVERAGE psi		
FINAL DISPLACEMENT psi	ISIP psi		
ANNEALUS psi	5 MIN SIP psi		
MAXIMUM psi	15 MIN SIP psi		
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB Big up, safety meeting, Ps. test, Per cement circ 50 Bbls Rel H2O 2nd 100 Dye mix & Pump 361 SKS cement at 30% Excess at 1:07 yield at 15.2 lbs cc, until 11 stopped By cement Release Plug Drop 47.5 Bbls H2O, Pump Plug at 1:20 pressure Lost Big, want 5 min Release Plug, wait 40 Big Down H2O test ok  
Drill w/ 100 SKS cement 4 galls Rel 100 Dye 8.6 Bbls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 11:15 am circ 11:30 am cement 12:45 am stop cement 12:46 am Drop Plug 12:46 pm Displace 12:46 pm  
10 Bbls At 6 Bbls/min 12:07 pm 300 psi used 20% Excess  
20 Bbls At 6 Bbls/min 12:11 pm 300 psi used 333 SKS cement  
30 Bbls At 6 Bbls/min 12:12 pm 400 psi 75.3 Bbls slurry  
40 Bbls At 3.5 Bbls/min 12:14 pm 350 psi  
47.5 Bbls At 1 Bbl/min 12:48 pm 200 psi  
Bump Plug 12:48 pm 410 psi

Left w/ 267 SKS cement 2 galls 3 galls Rel 600 Dye Bbls Back 9

AUTHORIZATION TO PROCEED

WSS  
TITLE

8-9-12  
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.