

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10891

LOCATION 74-65

FOREMAN Kirk Kallhoff  
Tucker Mark

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-3-12	Wahlert AC 33-67 NW	33	7N	63W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR HEP 315
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 8:15am	TIME LEFT LOCATION 1:30pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
13 3/4			SURFACE PIPE ANNULUS LONG		
TOTAL DEPTH 874	TUBING DEPTH	SHOTS/FT	STRING		
PBD 821.64	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING SIZE 9 5/8	TUBING CONDITION		TYPE OF TREATMENT		TREATMENT RATE
CASING DEPTH 866.45		TREATMENT VIA	1 SURFACE PIPE		BREAKDOWN BPM
CASING WEIGHT 36 lb	PACKER DEPTH		1 PRODUCTION CASING		INITIAL BPM
CASING CONDITION good			1 SQUEEZE CEMENT		FINAL BPM

PRESSURE SUMMARY			TREATMENT RATE	
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			
			1 ACID BREAKDOWN	MINIMUM BPM
			1 ACID STIMULATION	MAXIMUM BPM
			1 ACID SPOTTING	AVERAGE BPM
			1 MISC PUMP	
			1 OTHER	

INSTRUCTIONS PRIOR TO JOB: Rig up, safe logging, Psit test, Per cement circ 60 Bbls KCL H2O, 1st 10, seep, 2nd 10 seep, Dye, mix Pump 47 lbs cement at 30% excess at 127 yield at 15.2 lbs/cr until stopped by cement, no more than 50% excess, Release Plug, Disp 63.5 Bbls H2O, Bump Plug at 300psi over LIFD Psi, wait 5 min Release Psi, wash up, Rig Down  
Arrived w/ 750 SKS cement 75 lbs seep 1 gal seep 16 oz Dye 460 SKS KCL 106.5 Bbls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: safe logging 11:01pm circ 11:42pm cement 11:51pm  
Disp Plug 12:22am Displace 12:22am  
10 Bbls at 6.0 Bbls/min 12:24am 150psi used 16% excess  
20 Bbls at 6.0 Bbls/min 12:26am 240psi used 421 SKS cement  
30 Bbls at 6.0 Bbls/min 12:27am 300psi 95.2 Bbls slurry  
40 Bbls at 6.0 Bbls/min 12:29am 400psi  
50 Bbls at 6.0 Bbls/min 12:30am 480psi  
60 Bbls at 3.5 Bbls/min 12:33am 360psi  
63.5 Bbls at 1.0 Bbls/min 12:35am 300psi  
Bump Plug 12:35am 700psi Pumped 1 Bbl over Displacement

LFW/ 329 SKS cement 2.4 gal KCL 1/2 gal seep 6 oz Dye Bbls Back 11

*Earl Boyd*  
AUTHORIZATION TO PROCEED

2-3-12 WSS/315  
TITLE

2-3-12  
DATE