

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9310

LOCATION cr 74-63

FOREMAN Kirk Kuller
Mike R. Tucker

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-7-10	NCLP USX AA 0501	5	6N	63W	weld	

CHARGE TO	Wable	OWNER	
MAILING ADDRESS		OPERATOR	Wable
CITY		CONTRACTOR	Cable 21
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	1:00am	TIME LEFT LOCATION	5:00am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	12 1/4	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	728.1	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
PBD	679.14	TUBING WEIGHT		STRING	
CASING SIZE	8 5/8	TUBING CONDITION		TUBING	
CASING DEPTH	720.71	TREATMENT VIA			

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
MINIMUM	psi			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
				<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
				<input type="checkbox"/> MISC PUMP		
				<input type="checkbox"/> OTHER		

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP	
MINIMUM	psi			<input type="checkbox"/> OTHER	

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Ps. test, circ 40 BBLs H2O and 10 w/ Dye, mix C Pump 308 sks cement at 30% Excess at 12:15 p.m. at 15.2 lbs. cement steps w/ Release Plug, Displace 43.2 BBLs H2O, Pump Plug at 150 psi over LRPD Ps, wait 5 min, Release Ps, wash up Rig Down H2O test OK

Arrived w/ 650 sks cement 4 gallons Kcl 16oz Dye 675 BBLs slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS safety meeting 3:30am circ 3:43am cement 3:53am Drop Plug 4:16am Displace 4:16am

10 BBLs at 5.5 BBLs/m 4:19am 370psi
20 BBLs at 5.5 BBLs/m 4:21am 470psi
30 BBLs at 5.5 BBLs/m 4:23am 570psi
40 BBLs at 2.5 BBLs/m 4:27am 360psi
43.2 BBLs at 1.0 BBLs/m 4:30am 300psi
Pump Plug 4:30am 450psi
used 23% Excess
used 293 sks cement
65.8 BBLs slurry

LPW/357 sks cement 3 gallons Kcl 6oz Dye 13 BBLs Back 12

AUTHORIZATION TO PROCEED TITLE DATE 10-7-10