

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10314

LOCATION 127-110

FOREMAN Kirk Kallhaas
Jesse Richard

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-26-11	Bohn PLD 04-03	4	9N	58W	Weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 128				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 7:30am		TIME LEFT LOCATION 10:30am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 583	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 532.24	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 578.21		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		1 SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Permitted, Perccomen Circ 30 bbls Kcl H2O, 2nd Kcl Dye, mix Pump 247
sls cement at 34% excess at 1.27 gpd at 512 lbs, swirl till stopped By cement, cement will make call on excess
Below plug Displace 33.9 Bbls H2O Pump Plug at 150 Pounds Lift Psi, wait 5 min Release Psi, wash up
Rig Down H2O test OK
Arrived w/ 550 sls cement 4 gal Kcl 16oz Dye 55.8 Bbls slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 8:14am Circ 8:34am Cement 8:41am
Dye plug 9:22am Disp 9:22am
10 Bbls at 5.0 Bbls/min 9:24am 140 psi
20 Bbls at 5.0 Bbls/min 9:27am 230 psi
30 Bbls at 1.0 Bbls/min 9:30am 190 psi
33.9 Bbls at 1.0 Bbls/min 9:33am 200 psi
Pump Plug 9:22am 560 psi
Used 30% excess
used 247 sls cement
55.8 Bbls slurry

Left w/ 343 sls cement 3 gal Kcl 6oz Dye Bbls Bore 10

John M Taylor
AUTHORIZATION TO PROCEED

TITLE

9-26-11

DATE