

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9595

LOCATION cr 47-48

FOREMAN Kirk Kallhauf
miller R ~~James D~~

TREATMENT REPORT

DATE 1-3-11	WELL NAME Hansone G 12-31	SECTION 12	TWP 4N	RGE 6SW	COUNTY weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 12b				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 11:00pm		TIME LEFT LOCATION 5:00am				

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		
PBTD 529.36	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 574.95		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		[] 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 S

PRESSURE SUMMARY			
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		

INSTRUCTIONS PRIOR TO JOB: Rig up, set plug, meeting, circ 30 BBLs H2O and 10 gal Dye, mix & Pump 247 SKs cement at 30% Excess at 1.27 yd at 152 lbs or until cement steps us, Release Plug Displace 33.7 BBLs H2O Pump Plug at 150 psi over 6 ft psi wait 5 min Release psi wash up Rig Down

Arrived w/ 575 SKs cement 4 gallons Kel 16oz Dye H2O test OK
55.7 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Set Plug, meeting 3:13 am circ 3:44 am cement 3:53 am
Drop Plug 4:23 am Displace 4:23 am

10 BBLs @ 5.5 BBLs/m 4:25 am 420 psi used 38% Excess
20 BBLs @ 5.5 BBLs/m 4:28 am 430 psi used 264 SKs cement
30 BBLs @ 2.5 BBLs/m 4:31 am 140 psi 59.1 BBLs slurry
33.7 BBLs @ 1.0 BBLs/m 4:34 am 110 psi
Pump Plug 4:34 am 350 psi

LFH w/ 311 SKs cement 3 gallons 1 gal Kel 6oz Dye BBLs BBL 15

Roger Foster Rig Supervisor 1-3-11
AUTHORIZATION TO PROCEED TITLE DATE