

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9625

LOCATION WCR 47+50

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-20-11	Weidenkeller PC G 01-27.0	1	4N	6SW	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:30am</u>	TIME LEFT LOCATION <u>5:00am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>725</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 702.68</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>719.41</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2416</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM

PRESSURE SUMMARY			PRESSURE LIMITATIONS	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MINIMUM psi			<input type="checkbox"/> MISC PUMP	
			<input type="checkbox"/> OTHER	HYD NHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PER COMPANY MAN, CIR 40 bbls. H₂O. w/ LKCL + Dye x 10 in 2nd 10 bbls, Mix + pump till Dye is seen then pump tub only at 152 lbs 1.27 yield, Drop plug, Displace 417 bbls H₂O, Dump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O Tested good, We have 700 sks CEMENT, 320Z. Dye, 15 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 3:09am, CIR 3:37am, Cement 3:44am, to 3:58am.

Drop Plug 3:59am, Displace 4:00am
10 bbls 250 Psi 4:03am 70 bbls/m
20 bbls 310 Psi 4:04am 70 bbls/m
30 bbls 400 Psi 4:06am 70 bbls/m
40 bbls 400 Psi 4:08am 4.5 bbls/m
44.7 bbls 350 Psi 4:10am 1.0 bbls/m

Dump Plug 800 Psi at 4:10am Float Collar held
USED 5% Excess = 248 sks, 56 bbls Slurry
Aug Cement 40 bbls/m

Left with 452 Sacks CEMENT, 220Z Dye, 11 qts KCL

46 bbls Slurry to the PIT

[Signature]

CO MAN

2-20-11

AUTHORIZATION TO PROCEED

TITLE

DATE