

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10574

LOCATION WCR 37+8

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-27-11	BRANDT USX WW 13-080	13	1N	66W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Saxon Rig 145</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>4:40 PM.</u>	TIME LEFT LOCATION <u>3:00 AM.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1272</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 1223.48</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>1267</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

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, Safety Meeting, Per Company Man, CIRC 40 bbls H₂O with KCL, Mix + pump LEAD 20% Excess to COVER 100' = 376 sks, 88.39 bbls SLURRY at 148 lbs 1.32 yield, Mix + pump Tail 0% Excess to COVER 271' + shoe = 100 sks, 22.61 bbls SLURRY at 15.2 lbs 1.27 yield, Drop plug, Displace 77.9 bbls H₂O, Bump plug at 150 Psi OVER Lift Psi, Wait 5 min. then bleed off Psi, Washup, Rig down, H₂O Tested good, We have 450 sks LEAD, 200 sks Tail, 24 Qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety Meeting 12:38 am, CIRC 1:13 am, Cement 1:20 am to 1:48 am Drop Plug 1:49 am Displace 1:52 am

10 bbls 240 Psi 1:52 am 7.0 bbls/m
20 bbls 300 Psi 1:53 am 7.0 bbls/m
30 bbls 380 Psi 1:55 am 7.0 bbls/m
40 bbls 480 Psi 1:56 am 7.0 bbls/m
50 bbls 550 Psi 1:58 am 7.0 bbls/m
60 bbls 630 Psi 1:59 am 7.0 bbls/m
70 bbls 730 Psi 2:01 am 6.0 bbls/m
77.9 bbls 520 Psi 2:04 am 1.0 bbls/m
Bump Plug 680 Psi at 2:04 am Float Collar Held avg cement 3:96 bbls/m
Left with 74 sks LEAD, 100 sks Tail, 20 Qts KCL,
15 bbls Slurry To The P.T

Simon

AUTHORIZATION TO PROCEED

WSS

TITLE

11-27-11

DATE