

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10174

LOCATION WCR 76+45

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-8-11	HARPER USX EE 27-01D	27	7N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>1:50am</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>695</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PRTD 646.68</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>688.77</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 + Dye x 10 in 2nd 10 bbls, Mix + pump Tell Dye is seen then pump tub only at 15.2 lbs 1.27 yield, Dont go over 30% Excess with out Talking to Company Man, Drop plug, Displace 411 bbls H₂O, Bump 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, 32oz Dye, 15 Qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 3:23am, Circ 3:53am, Cement 4:00am to 4:12am
Drop plug 4:13am, Displace 4:14am
10 bbls 310 Psi 4:17am 7.0 bbls/m
20 bbls 410 Psi 4:19am 7.0 bbls/m
30 bbls 530 Psi 4:20am 7.0 bbls/m
411 bbls 310 Psi 4:23am 1.0 bbls/m
Bump Plug 540 Psi At 4:23am Float Collar Held
USED 0% Excess = 226 SKs, 51.11 bbls Slurry
Avg CEMENT 4.25 bbls/m
Left with 474 SKs, 22 oz Dye, 11 Qts KCL

10 bbls Slurry To The P.T

Michael Magnan

AUTHORIZATION TO PROCEED

TITLE

7-8-11

DATE