

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9357

LOCATION WCR 68+63

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-10-10	Bashor PC AA 17-24	17	6N	63W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Cade Rig 21
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 1:45 AM	TIME LEFT LOCATION 7:45 AM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 5586	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 508.82	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 551.8		TREATMENT VIA			

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN OF CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM		
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM		
MINIMUM psi			<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		

INSTRUCTIONS PRIOR TO JOB Rigup, Safety meeting, Per Company Man, Circ 30 bbls H₂O with KCL + Dye 10, in 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub only at 15.2 lbs 1.2 gyls, Drop plug, Displace 32.4 bbls H₂O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Washup, Rig down, H₂O Tested good, We have 600 sacks cement, 26 oz Dye 23 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 6:03 am, Circ 6:22 am, Cement 6:29 am to 6:47 am
Drop plug 6:49 am, Displace 6:50 am

10 bbls 300 Psi 6:54 am 7.0 bbls/m
20 bbls 400 Psi 6:56 am 7.0 bbls/m
30 bbls 320 Psi 7:00 am 4.5 bbls/m
32.4 bbls 250 Psi 7:02 am 1.0 bbls/m
Bump Plug 430 Psi at 7:02 am Psi held for 5 min
USED 65% EXCESS = 300 SACKS, 67.85 bbls SLURRY
Avg Cement 3.76 bbls/m
Left with 300 Sacks cement, 16 oz Dye, 20 qts KCL
10 bbls SLURRY TO THE PIT

AUTHORIZATION TO PROCEED

TITLE

11-10-10

DATE

Customers hereby acknowledge and specifically agree to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity