

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10188

LOCATION 70 Ranch

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE <u>7-23-11</u>	WELL NAME <u>70 RANCH BB 21-65HN</u>	SECTION <u>21</u>	TWP <u>5N</u>	RGE <u>63W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&P Rig 315</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>5:30 am.</u>		TIME LEFT LOCATION <u>1:00 pm.</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>628</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 580.51</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>623.27</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 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, Mud Flush 65 bbls H₂O, 10 bbls with 75 lb soap, 10 bbls with 1/2 gal soap, 45 bbls H₂O with KCL + Dye x 10 in 2nd 10 bbls, Mix + pump tell Dye is seen then mix + pump 10 bbls Slurry + Tub, Don't go over 33% Excess without Talking to Company Man, Drop plug, Displace 44.8 bbls H₂O, Bump plug at 500 Psi OVER Lift Psi, Wait 5 min then bleed off Psi, H₂O Tested good, WE HAVE 700 SKS, 32 oz Dye, 10 lbs KCL, 75 lbs Soap, 2 1/2 gals soap, Washup, Rig down,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 10:34 am, Mud Flush 11:17 am, CEMENT 11:28 am to 11:54 am
Drop Plug 11:57 am, Displace 11:58 am
10 bbls 590 Psi 12:02 pm 7.0 bbls/m Avg Cement 400 Psi
20 bbls 610 Psi 12:03 pm 7.0 bbls/m Avg Displace 600 Psi
30 bbls 630 Psi 12:05 pm 7.0 bbls/m Avg Cement 31 bbls/m
40 bbls 430 Psi 12:06 pm 4.5 bbls/m Avg Displace 60 bbls/m
44.8 bbls 290 Psi 12:08 pm 1.0 bbls/m
Bump Plug 440 Psi at 12:08 pm Float Cellar Held
USED 37% Excess = 357 sks, 80.74 bbls Slurry
Left with 343 SKS, 22 oz Dye, 50 lbs KCL, 0 lbs soap, 2 gals Soap

22 bbls Slurry To The PiT

JW Jones AUTHORIZATION TO PROCEED W.S.S. TITLE 7-23-11 DATE