

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9545
LOCATION 37th St & 65 Ave
FOREMAN Daniel Sg Hemar

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-4-11	IGO Farms J28-320	28	5N	66W	Weld	
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>ENSign 55</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>11:35pm</u>			TIME LEFT LOCATION <u>5:30</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>628.20</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>POTD 576.52</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>620.09</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</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	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP	
MINIMUM	psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Ris up, Safety meeting, Psi test, Circ 30 bbls of H₂O 2nd 10w/10oz Dye mix
A pump 266 sks of cement @ 30% Excess @ 15.2' @ 1.27 yield or until stopped by
Co man. Drop Plug Displace 36.7 bbls of H₂O Bump Plug @ 150 psi over lift psi
Wait 5 min Release psi Wash up R₁₄ Down H₂O test ok
Arrive w 450 sks of cement 29/ KCL 32oz Dye 60.1 bbls of slurry

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety meeting 4:09am Circ 4:42am Cement 5:00am
Drop Plug 5:21am Displace 5:21am

10 bbls 5.0/m 160 psi 5:27am	used 45% Excess 299 sks of cement 67.6 bbls of slurry
20 bbls 5.0/m 230 psi 5:30am	
30 bbls 3.5/m 300 psi 5:33am	
36.7 bbls 1.0/m 200 psi 5:38am	
Bump Plug 310 psi 5:38am	

Left w 151 sks 1qt 1qt KCL 22oz Dye 20 bbls of slurry Back

AUTHORIZATION TO PROCEED

TITLE

DATE

Customers hereby acknowledges and specifically agrees 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.