

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9547
LOCATION 65 Ave & 37th St
FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE <u>1-10-11</u>	WELL NAME <u>IGOFarms J28-31 D</u>	SECTION <u>28</u>	TWP <u>5N</u>	RGE <u>66W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>ENGIN 55</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>8:30 pm</u>		TIME LEFT LOCATION <u>1:00 pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>630.0</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>POTD 573.32</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>616.64</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
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, PSI test, Circ 30 bbls of H₂O w KCL 2nd 10 w 10 oz Dye, mix + pump 267 sks of cement @ 30% Excess @ 15.2" @ 1.27 yield or unit stopped by Co man, Drop plug + Displace 36.5 bbls of H₂O Bump plug @ 150 psi over lift psi wait 5 min Release psi washup Rig down
Arrvd w 450 sks of cement 5 gal lat KCL 32 oz Dye
H₂O test OK
60.3 bbls of slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 10:58 AM Circ 11:30. Cement 11:44
Drop plug 12:02 Displace 12:02

10 bbls	5.0/m	100 psi	12:07 pm	Used 30% Excess 267 sks of cement 60.3 bbls of slurry
20 bbls	5.0/m	200 psi	12:10 pm	
30 bbls	3.5/m	280 psi	12:13 pm	
36.5 bbls	1.0/m	280 psi	12:17 pm	
Bump Plug		300 psi	12:17 pm	

Left w 183 sks of cement 4 gal 2at KCL 22 oz Dye
10 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.