

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9542
LOCATION 37th St + 65 Ave
FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE 12-23-10	WELL NAME IGO Farms J28-190	SECTION 28	TWP 5N	RGE 65w	COUNTY Weld	FORMATION
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR ENSOYN 55			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 2:27 pm			TIME LEFT LOCATION 7:30 pm			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 629.10	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 571.39	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 615.0		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24#	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] 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/ 10oz Dye
Mix + Pump 266 sks of Cement @ 30% Excess @ 15.2' @ 1.27 yield or until stopped by
Co mud, Drop Plug Displace 36.3 bbls of H₂O Pump Plug @ 150 psi over 1.14 psi wait 5 min
Release Psi washup Rig Down H₂O test OK

Arrive w/ 550 sks of Cement 4 qt KCL 32oz Dye 60.1 bbls of Slurry
JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 5:42 pm Circ 5:58 pm Cement 6:14 pm
Drop Plug 6:33 pm Displace 6:33 pm

10 bbls	5.0/m	140 psi	6:37 pm	used 32%
20 bbls	5.0/m	200 psi	6:40 pm	271 sks of cement
30 bbls	3.5/m	280 psi	6:44 pm	61.2 bbls of Slurry
36.3 bbls	1.0/m	250 psi	6:48 pm	
Bump Plug		360 psi	6:48 pm	

Left w/ 279 sks of Cement 3 qt 1 qt KCL 22oz Dye
12 bbls of Slurry Back

AUTHORIZATION TO PROCEED

TITLE

DATE

12-23-10

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.