

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10254

LOCATION 41-12

FOREMAN Kirk Kallio
Mike R L R Marks

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-21-11	OJeda USX #407 - 09D	7	1N	65W	Weld	
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>Ensign 136</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>9:45 AM</u>			TIME LEFT LOCATION <u>3:30 PM</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1172</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PRD <u>1121.76</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1165.41</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24155</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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSI Test, Circ 70 BBLs KCL H₂O 2nd 10 with Dye, mix and Pump Nect Cement Lead 339 SKS at 1.32 gal/l at 14.8 lbs. mix and Pump Tail 100 SKS at 15.2 lbs at 1.27 gal/l, or until Company man stops use, per Company man, Release Plug Displace 71.4 BBL H₂O, Pump Plug at 150 PSI over Lift wait 5 min Release PSI, Washup, Rig Down. H₂O OK

Arrived with 375 SKS Nect Cement 200 SKS 3% Cement 4 gal KCL 16 oz Dye 79.6 BBLs slurry Lead
22.6 BBLs slurry Tail

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 1:16 PM Circ 1:47 PM Cement 2:03 PM
Drop Plug 2:29 PM Displace 2:29 PM
10 BBLs at 5.0 BBLs/m 2:32 PM 250 PSI Used 20 Percent Excess lead
20 BBLs at 5.0 BBLs/m 2:34 PM 370 PSI used 339 SKS lead
30 BBLs at 5.0 BBLs/m 2:36 PM 460 PSI used 100 SKS tail
40 BBLs at 5.0 BBLs/m 2:38 PM 520 PSI Total 439 SKS
50 BBLs at 5.0 BBLs/m 2:40 PM 570 PSI 79.6 BBLs at slurry lead.
60 BBLs at 5.0 BBLs/m 2:42 PM 630 PSI 22.6 BBLs at slurry tail
70 BBLs at 5.0 BBLs/m 2:47 PM 490 PSI 102.2 BBLs at slurry Total
71.4 BBL at 1.0 BBLs/m 2:48 PM 490 PSI
Bump Plug at 2:48 PM 760 PSI
Lft with 36 SKS Nect Cement 100 SKS 3% Cement 2 gal 1 qt KCL 16 oz Dye BBLs Back 4/2

[Signature] AUTHORIZATION TO PROCEED W. J. J. TITLE 8-21-11 DATE