

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11474
LOCATION WCR 78465
FOREMAN Mike Rosalee

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-16-12	Ramirez AC-29 - 72 HN	37	7N	63	weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H+P 322</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:30</u>	TIME LEFT LOCATION <u>6:30</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>768</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>79.67</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>765</u>		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>36 lbs</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, Circ 50 BBls head / KCL mix 2nd 10 Dye, PSI TEST 500 PSI
mix + Pump 414 sks Cement (30% Excess) 1.27 yield at 15-21 BS or until Compensator stops
use Release Plug Displace 55.6 BBls 120 Bump Plug 150 PSI over 1st wait couple min Release
2st, Wash up Rig Down How TEST OK
Arrived with 600 sks Cement 16 qts KCL 1602 Dye Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 3:50 pm Circ 4:25 pm Cement start 4:40 pm
Cement stop 5:12 pm Drop Plug 5:17 pm Displace 5:17 pm

10 BBls at 5-0 BBls/m 5:21 pm 240 PSI used 8 % Excess
20 BBls at 5-0 BBls/m 5:23 pm 290 PSI used 345 sks Cement
30 BBls at 5-0 BBls/m 5:25 pm 360 PSI Slurry 78.0
40 BBls at 5-0 BBls/m 5:27 pm 420 PSI Flow collar held
50 BBls at 3-1 BBls/m 5:29 pm 370 PSI
36 BBls at 1-0 BBls/m 5:32 pm 300 PSI
Bump Plug 1-0 BBls/m 5:32 pm 450 PSI BBls BACK to PT
7
4th with 545 sks Cement 235 11 qts KCL @ Dye

Chris AUTHORIZATION TO PROCEED WSS TITLE 4/16/12 DATE