

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		88 JUN -3 PM 2:43	3. LEASE DESIGNATION AND SERIAL NO. NM 17007
2. NAME OF OPERATOR Robert L. Bayless		FARMINGTON RESOURCE AREA FARMINGTON, NEW MEXICO	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 168, Farmington, NM 87499			7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below) At surface 1850' FNL & 790' FEL			8. FARM OR LEASE NAME Natani
			9. WELL NO. #27
			10. FIELD AND POOL, OR WILDCAT Rusty Chacra
			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 3, T21N, R6W
14. PERMIT NO.	15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6941' GL		12. COUNTY OR PARISH Sandoval
			13. STATE NM

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACURE TREATMENT	<input checked="" type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other) Perforating	<input type="checkbox"/>		<input checked="" type="checkbox"/>

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

SEE ATTACHED DAILY REPORTS (5/20/88 thru 5/31/88).

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19. I hereby certify that the foregoing is true and correct

SIGNED Kevin H. McCord

TITLE Petroleum Engineer

DATE 6/2/88

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

NMOCC

# ROBERT L. BAYLESS

PETROLEUM PLAZA BUILDING  
P. O. BOX 168  
FARMINGTON, NEW MEXICO 87499  
(505) 326-2659

Natani #27

## DAILY REPORT

Page 2

5/19/88 Ran 2 7/8" casing as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	5.00	0- 5
1 pup jt.	4.00	4- 9
58 jts. 2 7/8" 6.5#/ft N-80 EUE used tbg.	1816.51	9-1825
Insert baffle	0.00	1825-1825
1 jt. 2 7/8" 6.5#/ft N-80 EUE tbg.		
& 1 shoe jt.	31.72	1825-1857
1 guide shoe (notched collar)	.60	1857-1858
	<u>1857.83</u>	

No centralizers (tight hole).

Rig up Western Company. Cement with 75 sacks (154.50 ft<sup>3</sup>) Class B with 2% Econofill tailed by 75 sacks (117.75 ft<sup>3</sup>) 50/50 poz 2% gel 10% salt. Good circulation throughout job. Circulated approximately 30 sacks cement to surface. Shut in pressure 400 psi. Plug down at 5:20 PM 5/18/88. Wait on completion rig.

5/20/88 Ran wireline depth check with Wilson Wireline. Tagged cement @ 1730'. Pressure tested casing to 500 psi--held OK.

5/21/88 to 5/22/88 Shut down for weekend.

5/23/88 Rigged up L & B speedrill. Picked up 1 1/4" EUE tubing and bit. Tripped in hole and tagged cement @ 1730'. Drilled plug plus 20' of cement. Depth 1750'. Shut down for night.

5/24/88 Continued drilling cement. Drilled to 1825'. Displaced casing with fresh water. Laid down 1 1/4" drillpipe. Released rig. Shut down for night.

5/25/88 Rigged up the Western Company and pressure tested casing to 3500 psi--held OK. Rigged up Welex and ran GR-CLL-Neutron logs from PBDT 1825'-1100'. Ran CBL from PBDT 1825'-1100'. Set bottomhole plug @ 1824'. Shut down for night.

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## DAILY REPORT

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5/26/88 Rigged up Welex to perforate Chacra formation. Perforated with Linkjet (.42" diameter holes, 22 gram/charge, 14" penetration). Perforated intervals as follows:

1704 - 1709	5'	5 holes
1690 - 1701	11'	11 holes
1682 - 1687	<u>5'</u>	<u>5 holes</u>
	21'	21 holes (.42 diameter)

Welex ran out of Linkjet charges and connection for charges was loose. Shut down for night so Welex could find new connection and charges.

5/27/88 Rigged up Welex and continued perforating. Perforated intervals as follows:

1642 - 1650	8'	8 holes
1609 - 1638	29'	29 holes
1598 - 1604	<u>6'</u>	<u>6 holes</u>
	43'	43 holes
Subtotal 5/26	<u>21'</u>	<u>21 holes</u>
Total	64'	64 holes

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Ran sinker bar to clean hole of debris. Sinker bar stopped @ 1622. Couldn't go any deeper. Called for 2 more sinker bars. Still couldn't knock out bridge @ 1622'. Rigged up Western Company and broke down perforations. Breakdown pressure was 3500 psi. Established a rate of 5 BPM @ 1150 psi. ISIP = 350 psi. Acidized Chacra interval with 500 gallons of 7 1/2% weighted HCL acid containing 96 1.3 s.g. RCN ball sealers at 7 balls/bbl at a rate of 5 bbl/min. Displaced acid with 9.9 barrels of KCL water @ 7 bbl/min and 950 psi. There was no ball off or ball action. Final injection rate was 7 bbl/min @ 950 psi. ISIP = 350 psi; BHTP = 1066; FG = .64 psi/ft. Ran sinker bar to check for ball sealers. Depth before ball sealers were run was 1618'. Couldn't get sinker bar back to bottom. Bridges @ 600' and 1200'. Sinker bar was sticking in bridges. Rigged up Western and pumped sinker bars to 1612'. Not deep enough to frac. Shut down for night.

5/28/88 to 5/29/88 Shut down for weekend.

5/30/88 Moved L-B drilling rig in. Picked up 1 1/4" EUE tubing and S-T bit. Trip in hole. Hit bridge @ 1622'. Drilled on junk to 1650'. Shut down for night.

ROBERT L. BAYLESS

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DAILY REPORT

Page 4

5/31/88 Continued drilling from 1650'-1808'. Bridges from 1622'-1808'. Circulated hole clean @ 1808'. Displaced hole with KCL water. then spotted 84 gallons of 7 1/2% weighted HCL acid over perforation interval 1463'-1808'. Laid down 1 1/4" tubing. Rigged up Western Company and acidized Chacra interval with 84 gallons water and 166 gallons of 7 1/2% weighted HCL acid (total 250 gallons) containing 96 l.l s.g. RCN ball sealers dropped at a rate of 16 balls per barrel. No ball off or ball action seen. Rigged up Welex and ran sinker bar to bottom (1788') cleaning perfs. Bridges @ 600'-1200'-1600'. Fracture stimulated Chacra interval with 37,500 gallons of 70 quality foam with 50,000# of 20-40 mesh sand as follows:

7,500 gal. of 70 quality foam pad	20 BPM @ 1600 psi @ 5200 SCFM
10,000 gal. of 1 ppg 20-40 sand	20 BPM @ 1650 psi @ 5200 SCFM
20,000 gal. of 2 ppg 20-40 sand	20 BPM @ 1690 psi @ 5200 SCFM
388 gal. of 70 quality foam flush	20 BPM @ 1690 psi @ 5200 SCFM

ISIP = 950 psi	10 min. = 760 psi
5 min. = 780 psi	15 min. = 760 psi

All water contained 2% KCL and 1/2 gal/1000 clay stabilization agent. Average rate = 20 BPM; Average pressure = 1690 psi; Nitrogen injection rate = 5200 SCFM/min; Total nitrogen pumped = 224,400 SCF; Total fluid to recover = 281 barrels. Shut well in for 3 hours. Blow well back to atmosphere through 1/8" tapped plug. Flow well to clean up for AOF.

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