

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. N00-C-14-20-5756		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Indian Allotted		
2. NAME OF OPERATOR Northwest Exploration Company		7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, N.M. 87401		8. FARM OR LEASE NAME Natani		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 850 FSL & 850 FEL (SE SE) At proposed prod. zone Same		9. WELL NO. #14		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Location is 14.3 miles South of Counselors, New Mexico		10. FIELD AND POOL, OR WILDCAT Undesignated Chacra		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 850		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA P Sec 2, T21N, R6W		
16. NO. OF ACRES IN LEASE 160		12. COUNTY OR PARISH Sandoval		
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE N.M.		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ---		20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6959' GR		22. APPROX. DATE WORK WILL START* June 1982		
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0#	100'	83 cu. ft
7-7/8"	4-1/2"	10.5#	1890'	730 cu. ft

Selectively perforate and stimulate the Chacra formation. Completion plans will be determined at Total Depth.

A BOP will be installed after the surface casing is set and cemented. All subsequent work will be conducted through the BOP's.

The Southeast quarter of Section 2 is dedicated to this well.

Gas is dedicated.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

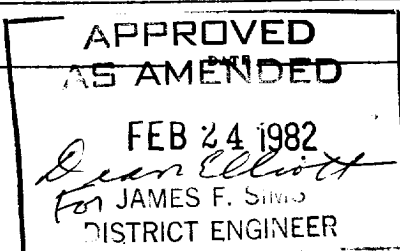
24. SIGNED Paul C. Thompson TITLE Drilling Engineer DATE 1-25-82
Paul C. Thompson
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____

PCT:djb

*See Instructions On Reverse Side



NMOCC

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-70

All distances must be from the outer boundaries of the Section.

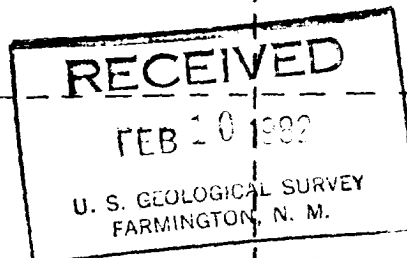
Operator Northwest Exploration Company		Lease N00-C-14-20-5756		Well No. 14 Natani	
Init Letter P	Section 2	Township 21 North	Range 6 West	County Sandoval	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 850 feet from the South line and 850 feet from the East line </div>					
Ground Level Elev. 6959'	Producing Formation Chacra	Pool Undesignated	Dedicated Acreage: Chacra		160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Paul C. Thompson

Name
Paul C. Thompson

Position
Drilling Engineer

Company
Northwest Exploration Co

Date
January 25, 1982

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **11 Nov. 81**

Registered Professional Engineer and/or Land Surveyor

Eerald G. Huddleston

Certificate No. **6844**

EXHIBIT "E₁"

Detail of Access Road

1. Location:
Northwest Exploration Co.
#14 Natani
SE SE Sec. 2 T21N R6W
850' FSL & 850' FEL
Sandoval Cty, New Mexico

Color Coding:

- 1½ Lane Seismic Trail
- New Access Road

