

OFFICE TELEPHONE
915/683-5226

Release 11-24-86
Received Approx 11-5-86

By REC
OFFICE ADDRESS
800 N. MARIENFELD
SUITE 200

BEACH EXPLORATION, INC.

OIL AND GAS OPERATORS
P. O. BOX 3669
MIDLAND, TEXAS 79702

NSL-2303
RULE-104 F(I)

October 29, 1986

Mike Stogner
Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico 87501

High Lonesome Queen Pool
40 Acres dec.
SE1/4 SW1/4 (Unit A)
Section 18

RE: Exxon Federal Well #6
560' FSL & 2035' FWL
Sec.18, T16S, R29E
Eddy County, New Mexico

Dear Mr. Stogner:

Beach Exploration, Inc. respectfully requests administrative approval to drill the above referenced well on sub-standard acreage. The well location is situated east of a slope.

Please find enclosed a copy of the Federal Application to Drill Form 3160, Archaeological Report, a topo map, a certified plat and a list of the notified offset operators. If you should need any further information please feel free to contact us.

Sincerely yours,

BEACH EXPLORATION, INC.

Barbara Watson

Barbara Watson
Exploration & Production

Enc.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

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

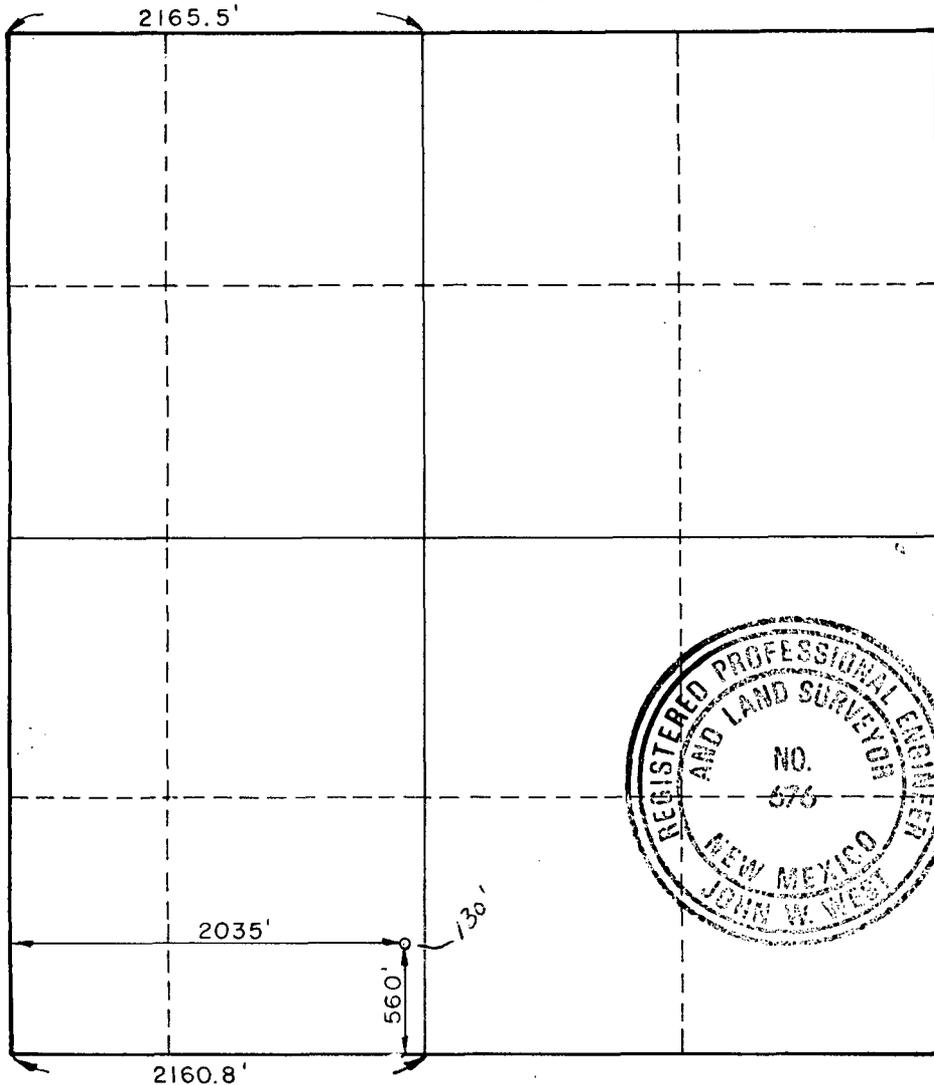
Operator BEACH EXPLORATION INC.		Lease EXXON FED.			Well No. 6
Unit Letter N	Section 18	Township 16 SOUTH	Range 29 EAST	County EDDY	
Actual Footage Location of Well: 2035 feet from the WEST line and 560 feet from the SOUTH line					
Ground Level Elev. 3655.5'	Producing Formation High Lonesome (Queen)		Pool	Dedicated Acreage: 40 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 communitization, 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 communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Barbara Watson
Name

Barbara Watson
Position

Exploration & Production
Company

Beach Exploration, Inc.

Date
10-29-86

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
Sept. 29, 1986

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**

Ronald J. Eidson 3239

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK
 b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Beach Exploration, Inc.

3. ADDRESS OF OPERATOR
800 N. Marienfeld Suite 200 Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
560' FSL & 2035' FWL (Unit N)
At proposed prod. zone
560' FSL & 2035' FWL (SE4 SW/4)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
18 Miles East-Northeast of Artesia

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
560'

16. NO. OF ACRES IN LEASE
880

17. NO. OF ACRES ANSIGNEED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1090'

19. PROPOSED DEPTH
1900'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
2035 GL

22. APPROX. DATE WORK WILL START*
November 15, 1986

5. LEASE DESIGNATION AND SERIAL NO.
NM 26072

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Exxon Federal

9. WELL NO.
6

10. FIELD AND POOL, OR WILDCAT
High Lonesome (Queen)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 18, T16S, R29E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

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#	250-280	Sufficient to Circulate
7 7/8"	4 1/2"	10.5#	1900'	150 Sacks

Attachments: Well location and acreage dedication plat
 Drilling Data
 Surface Use Plan
 Archaeological Survey

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 [Signature] TITLE Production DATE 10-23-86

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

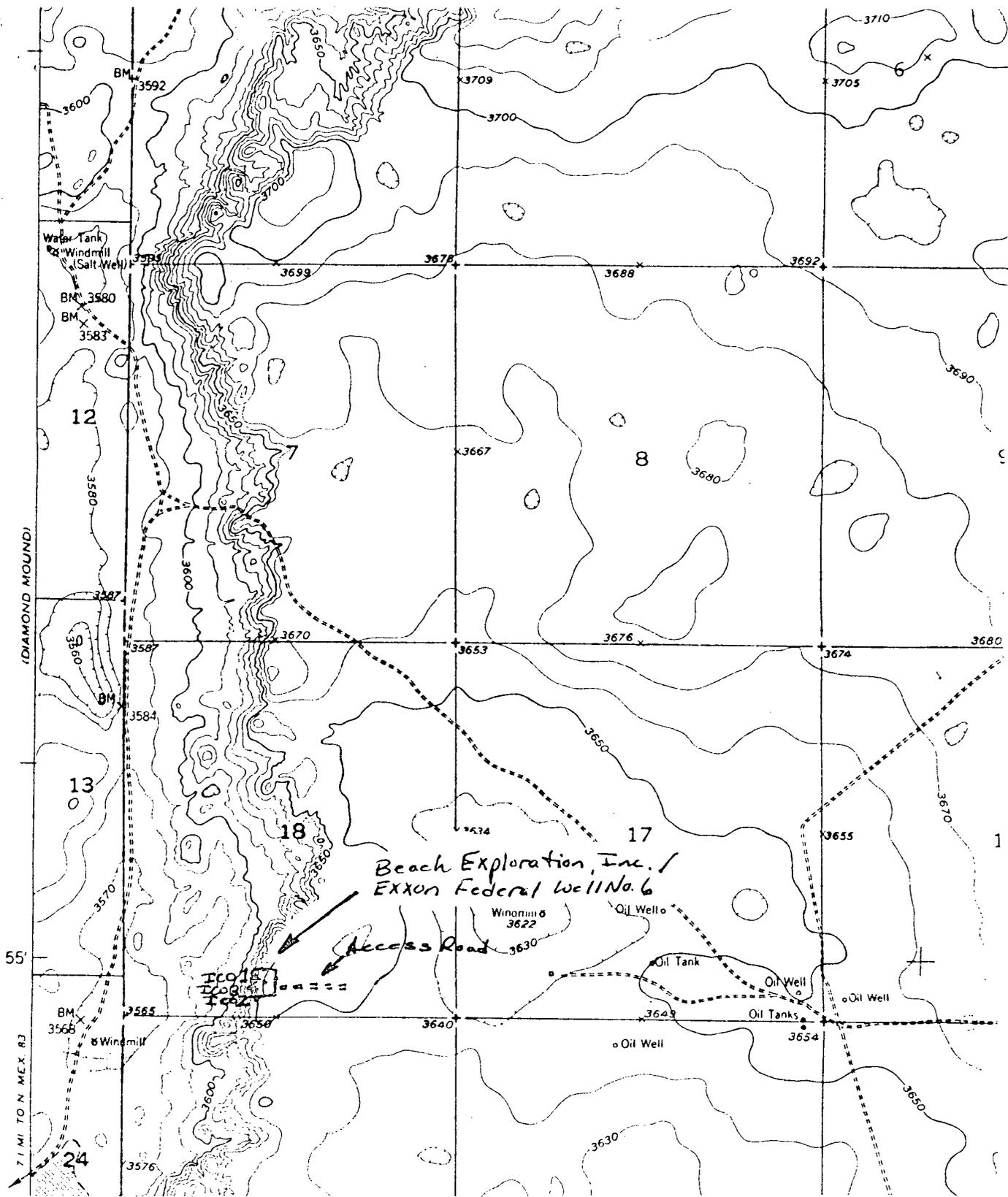


Fig. 1. USGS BASIN WELL QUADRANGLE, 7.5 Minute Series, 1;24,000, 1953, showing BEACH EXPLORATION, INCORPORATED's proposed Exxon Federal Well No. 6, 2035 FWL, 560 FSL, and access road, Section 18, T16S, R29E, NMPM, Eddy County, New Mexico.

OFFSET OPERATORS

Exxon Federal Wel No.6

Enercorp Resources Inc.
2500 East T.C.Jester Blvd.
Suite 300
Houston, Texas 77008

Paul Ragsdale
McClellan Oil Corporation
P.O. Drawer 730
Roswell, New Mexico 88202

Rosewood Resources, Inc.
Suite 100E
Claydesta Tower (LB33)
#10 Desta Drive
Midland, Texas 79705

Archaeological Clearance Report
for
BEACH EXPLORATION, INCORPORATED

Exxon Feddeal Well No. 6

Prepared

By

Dr. J. Loring Haskell

Submitted

By

Dr. J. Loring Haskell
Principal Investigator
New Mexico Archaeological Services, Inc.
Carlsbad, New Mexico

14 October 1986

Permit No. 14-2920-86-C

Report Number: NMAS-1986-11-0

ABSTRACT

New Mexico Archaeological Services, Inc., representing BEACH EXPLORATION, INCORPORATED, Midland, undertook a Class III survey of Bureau of Land Management lands scheduled to be impacted by the construction of a drill location and access road. Field work was conducted under clear, sunny conditions in mid-morning. The proposed location will measure 400 X 400 ft (actual area surveyed 4.44 acres). The access road will measure 20 X 1000 ft (actual area surveyed 2.30 acres). Total acreage 2.30 acres. They will be situated in Section 18, T16S, R29E, NMPM, Eddy County, New Mexico. Three isolated cultural occurrences (ICO) were recorded during this survey. NMAS is suggesting clearance for this project.

Introduction

On 13 October 1986, New Mexico Archaeological Services, Inc., (NMAS), Carlsbad, undertook for BEACH EXPLORATION, INCORPORATED, Midland, an archaeological survey of federal lands administered by the Bureau of Land Management in Eddy County, New Mexico. The reconnoitered area will be impacted by the construction of a drill location and access road. This project was advanced by Ms. Barbara Watson, BEACH EXPLORATION, INCORPORATED, and administered by Dr. J. Loring Haskell, Principal Investigator, NMAS, Inc. This survey was undertaken by Dr. Haskell. Field work was conducted under clear, sunny conditions in mid-morning. Ground visibility ranges between 80 and 90%. Field time one hour.

Survey Technique

For this investigation, BEACH EXPLORATION, INCORPORATED's proposed location was reconnoitered for evidence of man's past activities by walking it in a series of 25 ft wide, close interval (15° or less), zigzag transects. In addition, an added zone extending 20 ft on each side of the staked 400 X 400 ft location, and lying outside the bounds of the proposed work area was reconnoitered by a similar means. The access road was walked in two, 50 ft wide transects. Lathe is considered to be the center of the proposed road. Methodologically, these procedures served to promote optimal conditions for the visual examination of the areas to be impacted by the construction-related.

Exxon Federal Well No. 6

Location

The proposed location will measure 400 X 400 ft (actual area

4.44 acres) on federal lands and will be situated 2035 ft from the west line and 560 ft from the south line.

Section 18, T16S, R29E, NMPM, Eddy County, NM

Thus it will be situated in the:

SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 18, T16S, R29E, NMPM, Eddy County, NM

The associated access road will measure 20 X 1000 ft (actual area surveyed 2.30 acres and is situated in the:

SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 18, T16S, R29E, NMPM, Eddy County, NM

SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 18, T16S, R29E, NMPM, Eddy County, NM

Map Reference: USGS BASIN WELL QUADRANGLE, 7.5 Minute Series, 1953.

The sites of the proposed location and access road have not been impacted by mechanical means.

Terrain

BEACH EXPLORATION, INCORPORATED's proposed location will be situated on a gently rolling landform whose surface is overlain by a deposit of silty clay loams and sandy clay loams. A ragged, well-developed escarpment borders this landform on the west and serves to demarcate the eastern edge of an extensive polje system. Pavo Mesa dominates the horizon on the west. A continuous scree of highly weathered caliche overlies the coeval surface on the west. Taxonomically, soil individuals fall within the Typic Calciorthid and Typic Paleorthid subgroups. Drainage is by sheetwash with runoff, for the most part, being into the polje; discharge is of an internal nature owing to the Karst character of the landform. Elevation is approximately 3650 ft. Nearest potable water supply occurs in the form of seeps and springs along the base of the escarpment at the interface between Mesozoic- and Permian-aged deposits.

Floristics

Local soils host a scrub-type, floral community. Principal plants of the floral community's overstory are Condalia ericoides and Larrea tridentata along with lesser amounts of Prosopis juliflora, Flourenacia cernua and Atriplex canescens. Cacti of this association are Opuntia leptocaulis, Opuntia polyacantha and Opuntia imbricata. Major forbs are Gutierrezia sarothrae, Croton sp., Euphorbia spp., Krameria sp., Lesquerella sp., Solanum elaeagnifolium and Dyssodia sp. The Gramineae is represented by Aristida sp., Bouteloua spp., Hilaria mutica, Muhlenbergia porterii, Scleropogon brevifolium, Panicum sp., Setaria macrostachys, and Tridens spp.

Cultural Resources

Prefield 10 October 1986/Scott Adams/no archaeological sites

During the course of this survey, three isolated cultural occurrences were recorded.

Isolated Cultural Occurrences (ICO)

ICO 1, consisting of one, yellowish brown, grainy, quartzite, multidimensional core, 50% cortex, 72 X 62 X 32 mm, is situated 180 ft west-northwest of the center of the location in a ravine. Javelina bush, creosote and broom snakeweed are the principal plants. There is no evidence of sub-surface remains as it is located in an area of extreme sheetwash. It is situated in the:

NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 18, T16S, R29E, NMPM, Eddy County, NM

UTM: Not Available

Map Reference: USGS BASIN WELL QUADRANGLE, 7.5 Minute Series, 1953.

ICO 2, consisting of one, very dark red, coarse-grained and granular, quartzite, primary decortication flake, 50 X 37 X 12 mm, is situated on a generally level landform at a point 200 ft southwest of the center of the location. Javelina bush and creosote bush are the major plants. There is no evidence of sub-surface remains as caliche underlies the surficial deposits at very shallow depth. It is located in the:

SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 18, T16S, R29E, NMPM, Eddy County, NM

UTM: Not Available

Map Reference: USGS BASIN WELL QUADRANGLE, 7.5 Minute Series, 1953.

ICO 3, consisting of one very dark, granular, quartzite, piece of angular debris, 45 X 36 X 27 mm, is situated on an escarpmental projection at a point 200 ft west-southwest of the center of the location. Plants predominating locally are javelina bush, creosote bush and broom snakeweed. There is no evidence of subsurface remains as soils are thin and overlie caliche. It is located in the:

NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 18, T16S, R29E, NMPM, Eddy County, NM

UTM: Not Available

Map Reference: USGS BASIN WELL QUADRANGLE, 7.5 Minute Series, 1953.

Prehistoric land usage focused on hunting- and hunting-related tasks. Occupancy, reflecting this type of utilization, was brief and transitory at any one time. Most utilization should have occurred during Late Archaic and Eastern Jornada Mogollon times. Soils associated with the polje's escarpment- and rim- areas are supportive of occasional siliceous lithic material which was tapped

and subsequently modified for expedient flaked-tool production.

Recommendations

NMAS recommends clearance for BEACH EXPLORATION, INCORPORATED's proposed Exxon Federal Well No. 6 and its access road and suggests that work-related activities proceed in accordance with company plans (Fig. 1). Clearance, of course, is granted by the Bureau of Land Management. If additional cultural resources are encountered during construction, the BLM and NMAS should be notified immediately.

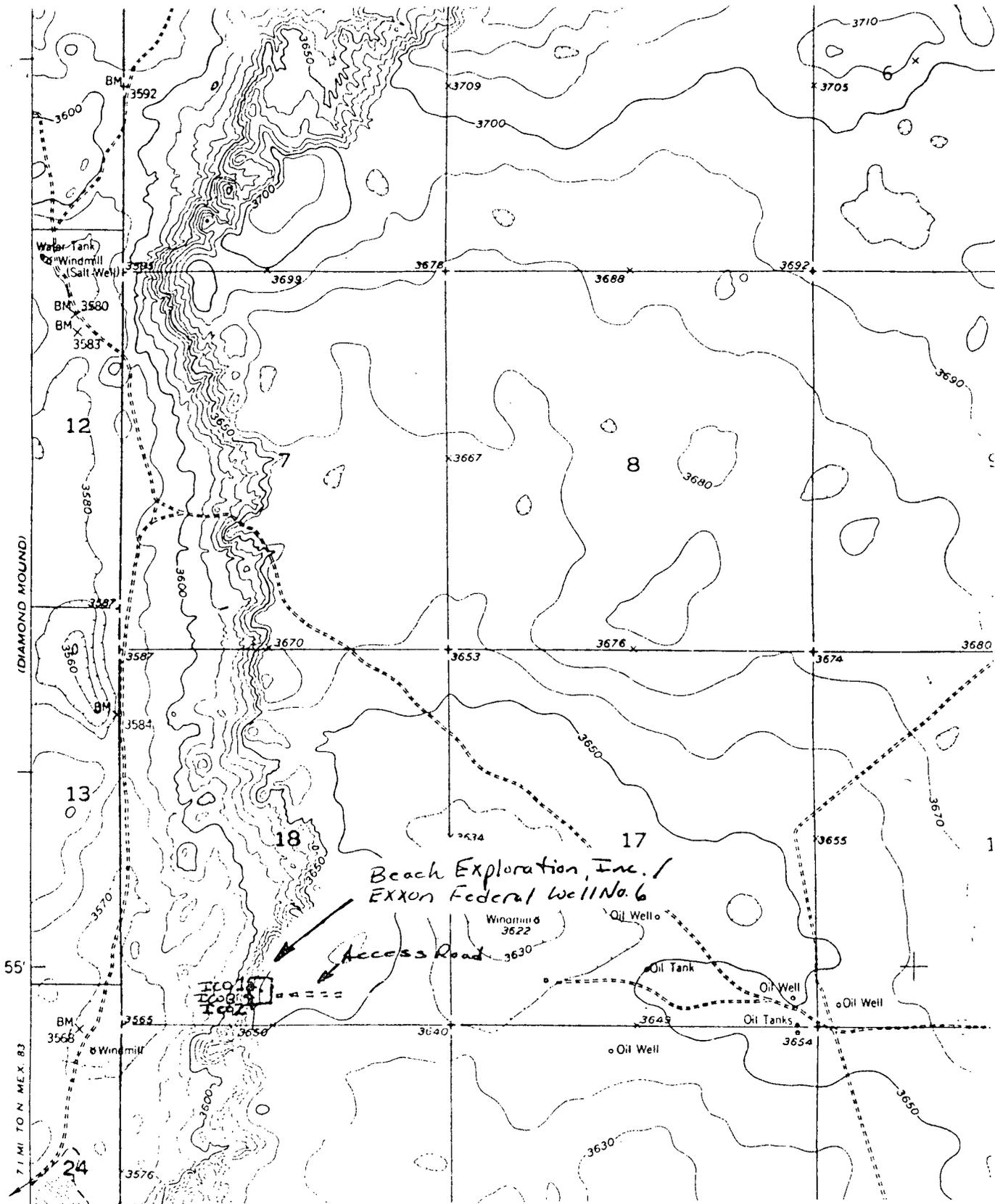


Fig. 1. USGS BASIN WELL QUADRANGLE, 7.5 Minute Series, 1;24,000, 1953, showing BEACH EXPLORATION, INCORPORATED's proposed Exxon Federal Well No. 6, 2035 FWL, 560 FSL, and access road, Section 18, T16S, R29E, NMPM, Eddy County, New Mexico.