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*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

125630

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator				Lease			Well No.	
Beach Etg	oloration	lne.		Execon Fee	1. A			
Unit Letter Sec B	tion [8	Township	16 South	Range 20 East	NMPN	County	-ddy	
Actual Footage Location	of Well:			1 (5 ()	OMIN			
	from the	north	line and	1650	feet from	the eas	line	
Ground level Elev.		ng Formation		Pool			Dedicated Acrea	ge:
<u>3559.5</u>	Que		well by colored per	High Loneson cil or hachure marks on t	10		40	Acres
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Lot 2						Position Product Company	Exploratio	n, Inc.
Lot 3						I hereby certifj on this plat w actual surveys supervison, and correct to the belief. Date Surveyed	OR CERTIFIC y that the well 1 as plotted from made by me d that the samu best of my k	ocation shown field notes of or under my : is true and
Lot 4 840.84	 		+			March Signature & Se Professional Su		
0 330 660 990	1320 1650	1980 2310	2640 20	00 1500 1000	500 0		ME ME	3239

BEACH EXPLORATION, INC. WELL NO. 4A EXXON FEDERAL NW1/4 NE1/4 of SEC.18, T16S, R29E EDDY COUNTY, NEW MEXICO

- 1. Surface Formation: Sandy soils of Quaternary Age.
- 2. Estimated Tops of Geologic Markers:

Andydrite	250'	Seven Rivers	820'
Salt	280'	Queen	1400'
Base Salt	600'	Penrose	1640'
Yates	660'	Grayburg	1800'

3. Anticipated Porosity Zones:

Water: Above 150' Oil: Seven Rivers, Queen, Penrose

4. Casing Design:

÷6.

Size	Interval	Weight	Grade	Joints
		24.07 505		
8 5/8 "	0-330'	23.0#	K-55	STC
4 1/2"	0-1800'	10.5#	K-55	STC

- 5. Pressure Control Equipment: Double Ram-Type Preventer
- 6. Circulating Medium:

0 - 300' Fresh water mud with gel or lime as needed for viscosity control.

300'- 1500' Brine Water

1500'- 1800' Salt water mud, coditioned as necessary for control of viscosity and water loss.

- 7. Auxiliary Equipment: Drill string safety valve.
- 8. Testing, logging and coring program: No coring or DST's are planned. Electric logs will include a CNL-FDC w/GR.

9. Abnormal pressure, Temperatures or gases: None Anticipated

10. Anticipated Starting Date: Approximately September 29, 1989

SURFACE USE PLAN

FOR

DRILLING, COMPLETING AND PRODUCING

BEACH EXPLORATION, INC. WELL # 4A EXXON FEDERAL 990' FNL & 1650' FEL SEC. 18, T16S, R29E Eddy County, New Mexico

LOCATED: 18 Miles East-Northeast of Artesia, New Mexico

OIL AND GAS LEASE: NM 26072 was issued on 9-1-75 for a primary term of ten years.

ACRES IN LEASE: 880

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RECORD LESSEE: Exxon Corporation

OPERATOR'S AUTHORITY: Designation of operator from lessee.

BOND COVERAGE: Beach's \$100,000 Bond

SURFACE OWNER: U.S.Government with a grazing permit issued to Bogle Farms, Inc. P.O. Box 358, Texter, NM 88230

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WELL SPACING: 40 Acres. High Lonesome Oil Pool

EXHIBITS: Area Road Map Topographic Map Surface Map

ROAD LOG (US-82) BEACH EXPLORATION INC. EXXON A FEDERAL WELL NO. 4

<u>н</u>,

Starting at 19 1/2 Miles east of Artesia, NM at the junction of County Road E214 and Federal Highway US-82. Milepost Marker 237.96.

- 0.00 Exit US-82 to the north on Eddy Co., #214 (Barnaval Draw) and proceed in a northerly direction for a distance of 6.75 miles to a double fork in road.
- 6.75 Take left turn on lease road and proceed in a northwesterly direction for a distance of 0.77 mile a NE-SW crossroad.
- 7.52 Turn left (southwest) on an oilfield road and proceed for a distance of .088 mile to a west sideroad.
- 8.48 Turn right (West) and proceed for a distance of .88 mile to a north sideroad.
- 8.92 Turn right (north) and proceed for a distance of .44 mile to Beach Exploration's Exxon Federal Tank Battery
- 9.36 Continue in a Northerly direction for a distance of approximately .63 mile (3/4) past the Exxon Federal #3 to the Exxon A Federal #1.
- 9.99 Turn West and proceed for a distance of .25 mile to the Exxon A Federal #2.
- 10.24 Turn North and proceed for a distance of .25 mile to the Exxon A Federal #4.

THIRTEEN POINT PROGRAM

- Existing Roads: Existing roads from the Exxon Federal Lease to the Exxon A Federal Lease are shown on Exhibit "A".
- 2. Proposed New Road: A new road will be required to this location from the existing lease road. Beach Exploration Inc. will construct the new road.
- Location of Existing Wells: The Exxon A Federal #2 is 1320' south of the proposed location as shown on Exhibit"C".

4. Location of Existing and/or Proposed facilities:

- A. Beach Exploration, Inc. Exxon A Federal #1,#2, and #3 are producing wells and production facilities exist on the lease at the Exxon A Federal #1 location.
- B. If Well #4 is productive, production and storage facilities will be required, storage facilities exist on the lease.
- 5. Location and Type of Water Supply: Water for leasehold operations will be purchased from a commerical water hauler.

- 6. Source of Construction Materials: Materials needed for reconstruction of the road and well pad will be obtained from material found in place.
- 7. Methods of Handling Waste Disposal:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Water produced during tests will be disposed of in drilling pits.
 - D. Oil produced during test will be stored in test tanks until sold.
 - E. Trash, waste paper, garbage and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".
 - F. All Trash and debris will be buried or removed from wellsite within 45 days after finishing drilling and/or completion operations.
- 8. Ancillary Facilities: None anticipated.
- 9. Wellsite Layout:

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- A. The wellsite has been surveyed and a 400' X 400' area has been staked and flagged.
- B. The dimensions and relative location of the drill bore are shown on Exhibit "D".
- C. The well pad will be resurfaced with caliche found in place or obtained from commerical hauler.
- 10. Plans for Restoration of the Surface:
 - A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing condition as possible.
 - B. Any ungraded pits containing fluids will be fenced until they are filled.

- с. After abandonment, all equipment, trash and junk will be removed and the location cleaned.
- 11. Other Information:
 - Α. Topography: The wellsite is at an elevation of 3659' and situated in flat, sandy surface.
 - Soil: The soil is predominantly red clay. Β.
 - с. Land Type & Use: The vicinity surrounding the drill site is semi-arid rangeland and its primary use is for the production of oil and gas and for grazing.
 - D. Flora: Vegetative cover is sparse. Flora consists primarily of sagebrush and range grasses.
 - Ε. Water Wells: none
 - Residences & Other Structures: F. There are no occupied dwellings within two miles.
 - G. Archaeological, Historical & Cultural Sits: A isolated incident is recorded in the area of the location. The New Mexico Archaeological Service recommended clearence. If any other occurrences are found during construction, they will be reported.
- 12. Operator's Representatives:
 - Bob Bigard Α. Beach Exploration, Inc. 800 N. Marienfeld Suite 200 Midland, Texas 79701 Telephone: AC915/683-6226
 - Β. William N. Beach Beach Exploration, Inc. 800 N. Marienfeld Suite 200 Midland, Texas 79701 Telephone: AC915/683/6226
- Certification: 13.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access road; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by BEACH EXPLORATION, INC. and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

August 22, 1989 Date

Barbara Watson BEACH EXPLORATION, INC.





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Beach Exploration, Inc. Well #4 Exxon FederalA NW/4 NE/4 Sec.18,T165,R29E



Archaeological Clearance Report

for

BEACH EXPLORATION, INCORPORATED

Exxon Federal "A" Well No. 4 and access road

Prepared

Ву

Dr. J. Loring Haskell

Submitted

Ву

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

18 April 1989

Permit Number: 14-2920-89-I

Report Number: NMAS-1989-10-A

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

Thus it will be situated in the:

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

The associated access road will measure approximately 100

X 900 ft (actual area surveyed 2.07 acres) and will be situated in the:

NW1NE1, Section 18, T16S, R29E, NMPM, Eddy County, NM SW1NE1, Section 18, T16S, R29E, NMPM, Eddy County, NM

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

Level of Previous Impact

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

Environmental Setting

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BEACH EXPLORATION'S proposed location will be situated on a sandy clay loam surface lying due east of an extensive polje. Locally, the coeval surface, rolling in character, is subject to the effects of ephemeral sheetwash. Low, camel-back hills surmount the polje's rim. Elevation is 3695 ft. Slope is 0.80°. Aspect is east, south and north. Water, while scarce in the near vicinity, does occur within the polje. Drainage is to the east. Soil individuals, subject to the effects of puddling and scaling, fall within the Typic Calciorthid subgroup. Caliche gravels and cobbles, commonly constitute a light scree. Depositionally, the surface is subject to colluvial movement with laterality being to the east. The mixed scrub-grassland formation is composed of mesquite, creosote bush, Englemann prickly pear, broom snakeweed, desert holly, prickleleaf dogweed, fluff grass, poverty threeawn, bush muhly, burrograss, tobosa and blue grama.

Cultural Resources

Prefield: 13 April 1989, Section 18, T16S, R29E, no archaeological sites, J. Loring Haskell.

No cultural properties were recorded during this survey. Their absence is attributed to a dearth of siliceous lithic material, the openness of the landform and the paucity of potable water. Locally, land usage, while more or less continual during Late Archaicand Eastern Jornada Mogollon- times, was brief, transitory and seasonal in character. Locally, economic pursuits focused on hunting with <u>Antilocapra</u>, <u>Odolcoileus</u>, <u>Bison</u>, <u>Lepus</u> and <u>Sylvilagus</u> being expolited on a regular basis.

Recommendations

NMAS recommends clearance for BEACH EXPLORATION, INCORPORATED's proposed Exxon Federal "A" Well No. 4 and its access road and suggests that work-related activities proceed in accordance with company plans (Fig. 1). Clearance, of course, is granted the Bureau of Land Management. If cultural resources are encountered during construction, the BLM and NMAS should be notified immediately.

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Fig. 1. USGS BASIN WELL QUADRANGLE, 7.5 Minute Series, 1;24,000, 1953, showing BEACH EXPLORATION, INCORPORATED's proposed Exxon Federal "A" Well No. 4, 990' FNL, 1650' FEL, and access road, Section 18, T16S, R29E, NMPM, Eddy County, New Mexico.