COPY TO O. C. SOMIT IN TRIPLICATE.

UNITED STATES

(Other instructions on reverse side)

	approved		
Budget	Bureau	No.	42-R142

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*See Instructions On Reverse Side

MJ L

FILE RELEASE FOLDON

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CONTINENTAL OIL COMPANY			JICARILLA	30		15	
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1. Outline the	e acreage dedica	ted to the subject w	ell by colored pen	cil or hachure mar	ks 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 that dated by co	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 an	iswer is "yes;" type	of consolidation				
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No allowab	le will be assigne	ed to the well until al	l interests have be	en consolidated ((by communitie	ation unitiration	
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ATTACHMENT TO FORM 9-331 C APPLICATION FOR PERMIT TO DRILL

Continental Oil Company
Jicarilla 28 No. 17 and Jicarilla 30 Nos. 13, 14, and 15
T-25N, R-4W
Rio Arriba County, New Mexico

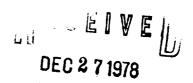
- 1. The geologic name of the surface formation is Quaternary Sand.
- 2. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan.
- 3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on attached Proposed Well Plan.
- 4. The proposed casing program is as follows:

(See Proposed Well Plan Outlines)

- 5. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to 1,000 PSI for 30 minutes when BOP is installed. BOP will be checked when casing string is set and operated daily for checks.
- 6. The proposed mud program is as follows:

(See Proposed Well Plan Outlines)

- 7. The auxiliary equipment to be used is:
 - (1) kelly cocks
 - (2) floats at the bit
- 8. It is proposed to run SP-IES log from TD to approximately (See Proposed Well Plan Outlines) and GR CAL CNL FDC PDC logs at selected intervals.
- 9. No abnormal pressure or temperatures are expected to be encountered in this well.
- 10. The anticipated starting date for the first well is November 15, 1978 with a duration date of approximately 21 days for each well.



WELL	MAME:	-4	#15

COUNTY: Pin Arriba

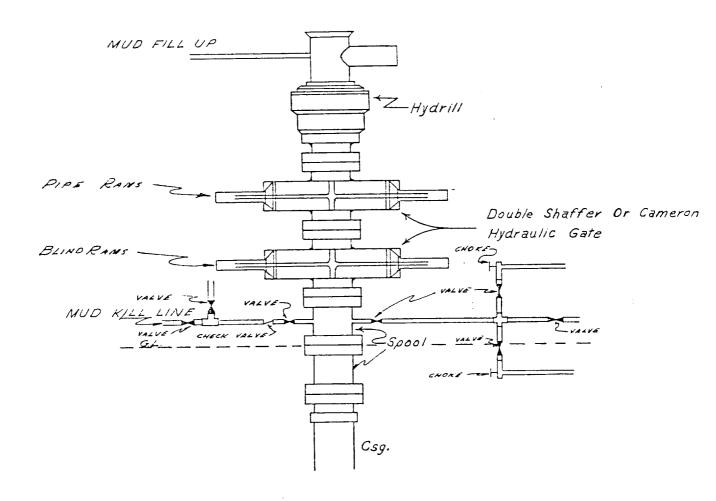
LOCATION: 2070 FNL + 1980 = WL

STATE: ANY.

Soc. 30, TOSH, 84W

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CONTINENTAL CIL COMPANY Blow-out Preventer Specifications

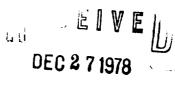


API SERIES 900

NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head. Remote controls on rig floor.

DUE TO SUBSTRUCTURE CLEARANCE, HYDRILL MAY OR MAY NOT BE USED.



IL S. OTOLOGICAL SURVEY

SURFACE USE PLAN Continental Oil Company Jicarilla 28 No. 17 and Jicarilla 30 Nos. 13, 14, and 15 T-25N, R-4W Rio Arriba County, New Mexico

The plan is to accompany "Application for Permit to Drill" the subject well. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads

A. The proposed well sites are as follows:

Jicarilla 28 No. 17

Jicarilla 30 No. 13

Jicarilla 30 No. 14

Jicarilla 30 No. 14

Jicarilla 30 No. 15

2310' FNL and 990' FEL of Section 31

2310' FNL and 1980' FWL of Section 32

- B. Exhibit "A" is a portion of a Jicarilla 28 and Jicarilla 30 lease map showing existing roads and proposed new road and location.
- C. Access Roads are shown on Exhibits "A" and "B".
- 2. Planned Access Roads

Refer to the attached archaeological report.

3. Location of Existing Wells

See Exhibit "A"

- 4. Location of Existing and/or Proposed Facilities
 - A. Tank Batteries: Two 400 bbl. tank and a production unit will be located on each well site.
 - B. Rehabilitation: Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from locations. Rehabilitation of the surface is planned to be completed within 45 days from commencement.
- 5. Water Supply

The supply of water will be hauled from Largo Wash. (See Exhibit "C")

6. Source of Construction Materials

Not applicable. Drilling pad to be compacted E

7. Methods for Handling Waste Disposal

Waste Disposal: Well cuttings will be disposed in reserve pit. Trash pit is shown on "Rig Layout", Exhibit "D". All detrimental waste will be buried with a minimum of 24" of dirt. See Exhibit "D" for location of pits.

8. Ancillary Facilities

None

9. Well Site Layout

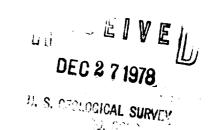
Exhibit "D" shows the relative location and dimensions of the well pad, mud pit, reserve pit, trash barrel, etc.

10. Plans for Restoration of Surface

Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location. Surface will be leveled and properly conditioned as required by USGS after consulting with proper surface managing agency.

11. Other Information

- A. Terrain: "A" through "C" refer to the attached archaeological report.
- B. Soil: Sandy loam
- C. Vegetation: Primarily sage, blue grama, occasional pinyon and Juniper, and various flowering herbs.
- D. Surface Use: Suitable for grazing
- E. Ponds and Streams: None within one mile
- F. Water Wells: None within one mile
- G. Residences and Buildings: None within one mile
- H. Arroyos, Canyons, Etc.: See attached topographic map, Exhibit "B".
- I. Well Sign: Sign identifying and locating well will be maintained at drill site with the spudding of the well.
- J. Open Pits: All pits containing mud or other liquids will be fenced.
- K. Archaeological Resources: None observed.



12. Operator's Representative

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

PRODUCTION AND DRILLING

B. E. Anderson
Petroleum Center Building
Room 215
501 Airport Drive
Farmington, New Mexico
Phone: (505) 327-9557

L. P. Thompson 1001 North Turner Hobbs, New Mexico 88240 Phone: (505) 393-4141

E. L. Oshlo 1001 North Turner Hobbs, New Mexico 88240 Phone: (505) 393-4141

13. Certification

bnp

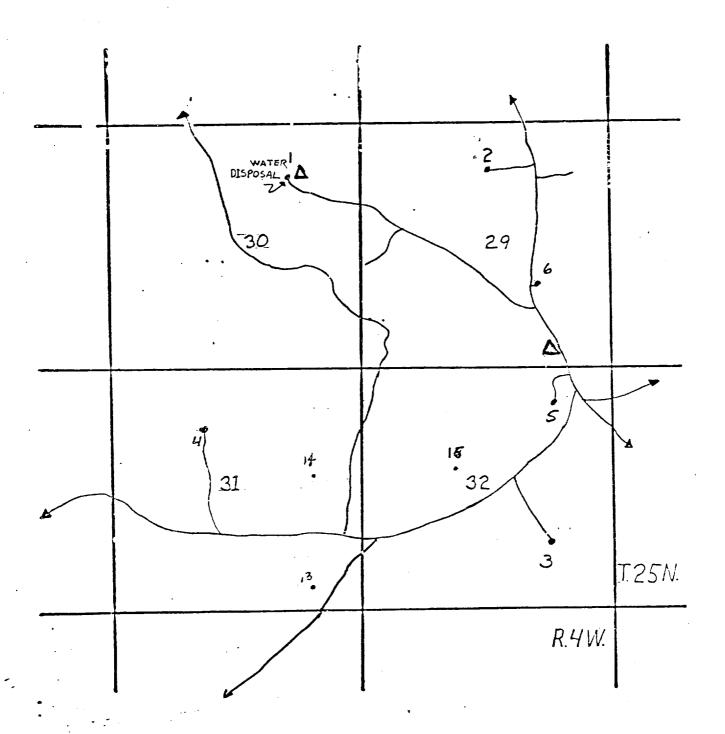
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated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

12-20-78 Para

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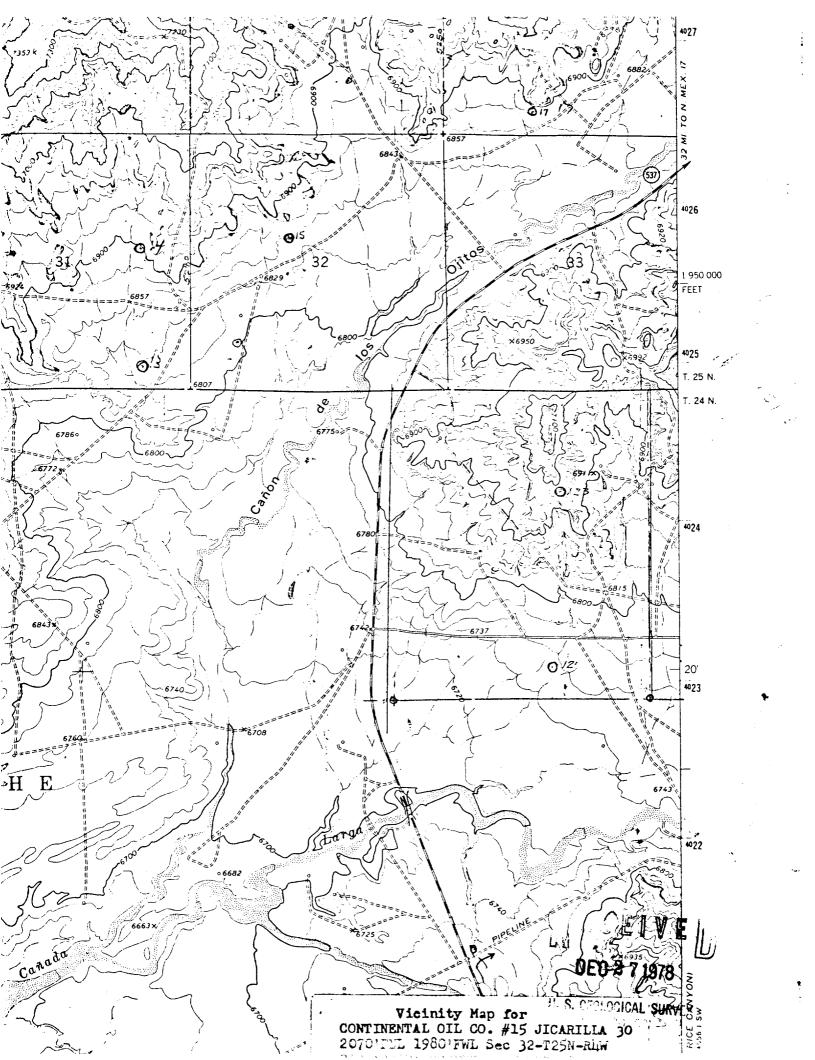
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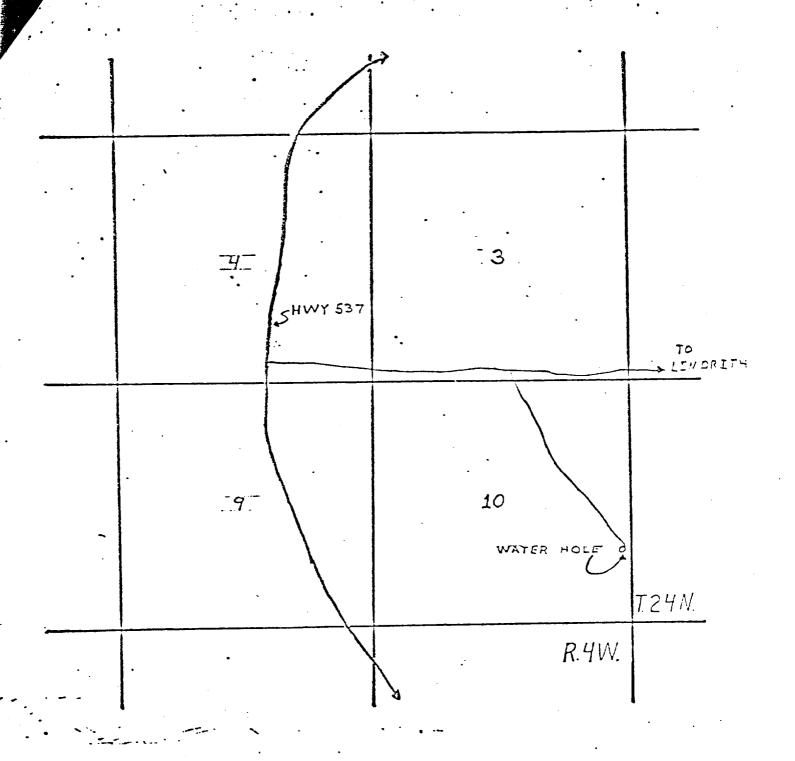
S. OFCLOGICAL SURVEY



CONOCO PRODUCTION DEPT. HOBBS DIV. JICARILLA "30" LEASE LEGEND CONOCO WELL DEC 2 7 1978 TANK BATTERY LEASE ROAD! S. CTOLOGICAL SURVEY HWY. NTS CHAVEZ

1. 1 "





CONOCO

TRODUCTION DEPT. HOBBS DIV.

LARGO WATER HOLE

LEGEND

CONOCO WELL

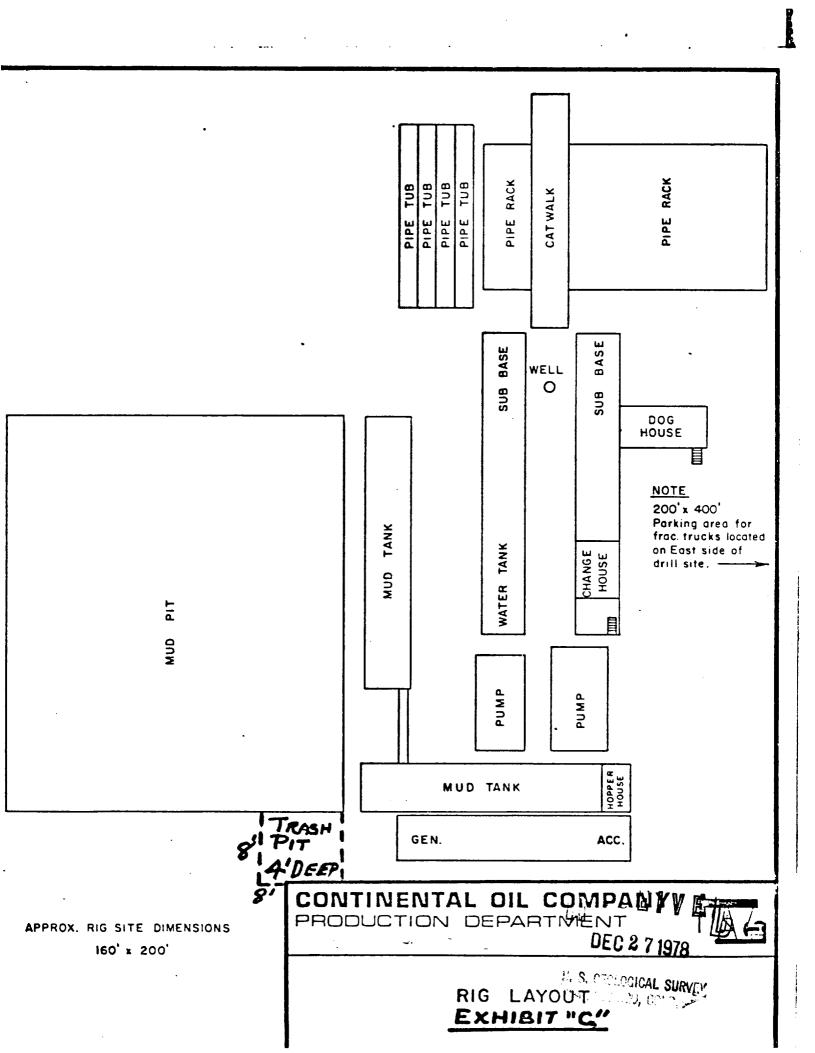
TANK BATTERY

LEASE ROAD

S. CTOLOGICAL SURVEY

NTS

CHAVEZ



Permit:Tribal Council Resolution Feb. 2,1978. Jicarilla Apache Tribe.

Archaeological Clearance Survey Report

for

Continental Oil Company

Well Locations

Jicarilla 30-137
Jicarilla 30-147
Jicarilla 30-157
Jicarilla 30-157
Jicarilla 38-17
ANI Apache N-19
AXI Apache N-18
AXI Apache N-167
AXI Apache N-177
AXI Apache J-33

Prepared by
John B. Schooley

Submitted by Meade F. Kemrer, PhD. Principal Investigator

DIVISION OF CONSERVATION ARCHAEOLOGY

Contributions to Anthropology Series, No.8 San Juan County Archaeological Research Center and Ect 21978

Abstract

An archaeological clearance survey was performed on August 22, 1978 for Continental Oil Company by the Division of Conservation Archaeology of the San Juan County Archaeological Research Center and Library. The survey involved nine well pads and associated access roads on lands under the jurisdiction of the Jicarilla Apache Tribe.

Since the cultural resources found are not to be directly or indirectly impacted by the proposed construction, archaeological clearance has been recommended for all areas.

DEC 2 7 1978

Introduction

The Division of Conservation Archaeology of the San Juan County Archaeological Research Center and Library has completed an archaeological clearance survey for Continental Oil Company, on lands under the jurisdiction of the Jicarilla Apache Tribe. The lands are to be impacted by the construction of nine well pads and associated access roads.

The survey was initiated at the request of Mr. Joe McKinney of Achison Construction Company, Incorporated, on August 18, 1978. It was administered by Mr. B.E. Anderson of Continental Oil Company and by Dr. Meade Kemrer of the Division of Conservation Archaeology.

Legislation enacted by the Congress of the United States requires compliance with laws designed to protect archaeological resources. Laws such as the National Environmental Policy Act of 1969 (PL 91-852) and Executive Order No.11593 entitled "Protection and Enhancement of the Cultural Environment" prevent enterprises which might result in the destruction or alteration of cultural resources. Federal and State governments and the professional scientific community have come to realize that the material remains of a prior culture are a limited, non-renewable part of the environment. As such, the State of New Mexico has enacted legislation regulating archaeological resources. The Cultural Properties Act is analogous in content to the National Historic Preservation Act of 1966 (PL 89-665), which provides for preservation of significant archaeological sites.

The field work was performed by John Schooley, assistant archaeologist, of the Division of Conservation Archaeology on August 22, 1978, under the provisions of a Jicarilla Tribal Council Resolution passed on February 2, 1978. Also present in the field were: Mr. Joe McKinney of Achinson Construction; Mr. B.E. Anderson of Continental Oil Company; and Mr. Fred Kerr and Rich Weaver of Kerr Land Surveying.

Field Procedures

The requested archaeological clearance survey of the proposed well pads and access roads was inspected on foot and the area was covered in a criss-cross fashion. In addition to the search for historic /prehistoric artifacts and features, information pertaining to the environmental setting was described.

Survey

The requested archaeological survey involved nine well pads and associated access roads on lands under the jurisdiction of the Jicarilla Apache Tribe. For specific details of location, please see the attached topographic maps and the paragraph descriptions below.

DEC 2 7 1978

S. CECLOCICAL SURVEY

Recommendations: Archaeological clearance is recommended.

Jicarilla 30-#15

Legal Description: 2070' F/NL, 1980' F/WL, Section 32, T 25N, R 4W, N.M.P.M., Rio Arriba County, New Mexico.

Map Source: U.S.G.S. 7.5' Otero Store Quadrangle.

Area Surveyed: 300'x 200' (well pad), 800'x 20' (access road).

Land Jurisdiction: Jicarilla Apache Tribe:

Description: The proposed well pad is located on an alluvial fan abutting a sandstone escarpment immediately north of the proposed well location. The soil is a sandy loam, approximately 50% exposed. There are numerous small erosional gullies draining south. The vegetation is sagebrush, blue grama, and various flowering herbs. Grazing is in evidence. The access road proceeds north from an existing road approximately 800 feet.

Cultural materials: On the sandstone face of the escarpment 200 feet north of the well pad location, there are numerous historic petroglyphs of names, places, and dates, eg. "Slavio Lucero, Del Governador, New Mexico, March 19, 1927." The names are both Hispanic and Anglo. The dates range from 1907 to the present.

Recommendations: Since the petroglyphs will not be affected by the proposed construction, archaeological clearance is recommended.

Vicarilla 28-#17

Legal Description: 1830' F/WL, 450' F/SL, Section 28, T 24N R 4W, N.M.P.M. Rio Arriba County, New Mexico.

Map Source: U.S.G.S. 7.5' Otero Store Quadrangle.

Area Surveyed: 300 x 200' (well pad), 800'x 20 (access road).

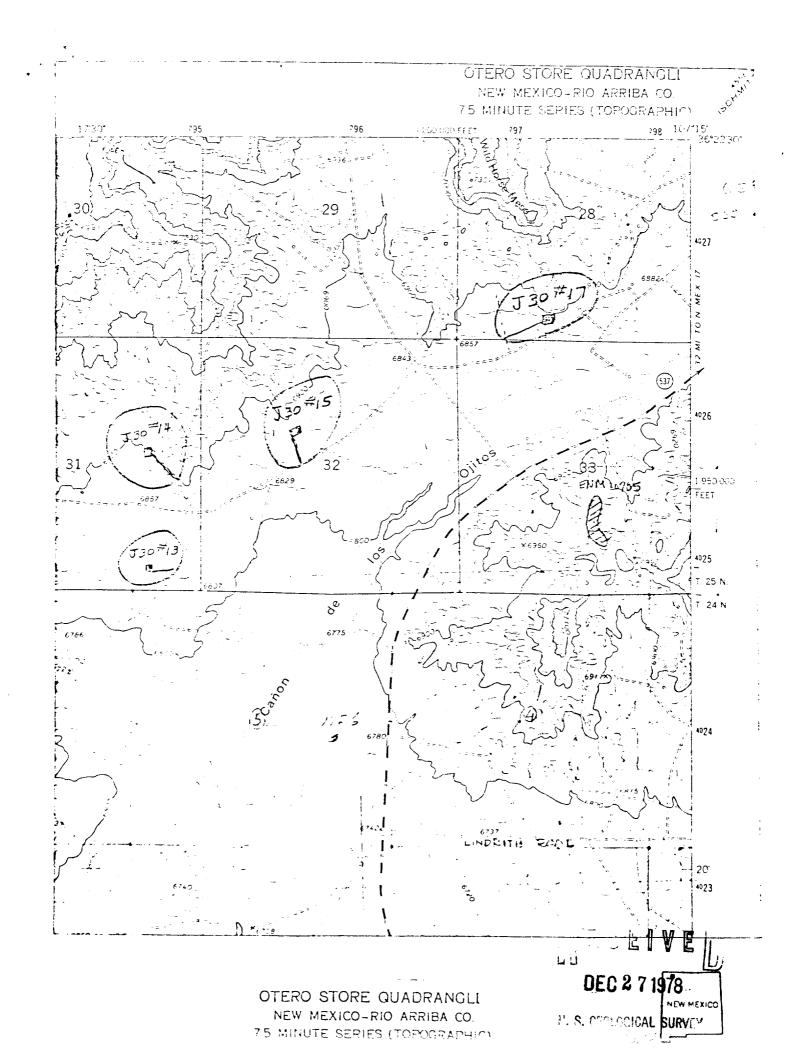
Land Jurisdiction: Jicarilla Apache Tribe.

Description: The proposed well pad is located on an alluvial fan with a 10° slope to the south. Sandstone escarpment with eroding clay shale hills lies immediately north of the location. The soil is a sandy loam, approximately 50% exposed. The vegetation is primarily sage, blue grama, occasional pinyon (Pinus edulis) and juniper (Juniperus spp.), and various flowering herbs. There is evidence of grazing.

Cultural Resources: One small chalcedony waste flake was noted. Upon an extensive search of the area no further cultural artifacts were found.

أزيا

DEC 2 7 1978



5. LEASE

CONTRACT NO. 41

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

GEOLOGICAL SORVET	o. II INDIAN, ALLOTTEE OR TRIBE NAME
	MICARILLA APACHIS
SUNDRY NOTICES AND REPORTS ON WELL (Do not use this form for proposals to drill or to deepen or plug back to a diff	
(Do not use this form for proposals to drill or to deepen or plug back to a diffreservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas uther well other	- LICARILLA 30
Well - Well Other	9. WELL NO.
2. NAME OF OPERATOR CONTINENTAL OIL COMPANY	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	W. LINDRICH LEASING DAKOTO
P. O. Box 460, Hobbs, N.M. 88240	11. SEC., T., R., M., OR BLK. AND SURVEY OR
 LOCATION OF WELL (REPORT LOCATION CLEARLY. See space below.) 	SEC. 32 T25N R4W
AT SURFACE: 2070' ANL + 1980' FWL	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL:	Rio ARRIGA N.M
AT TOTAL DEPTH:	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOT	
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF	6 B 35 'GR
TEST WATER SHUT-OFF	
FRACTURE TREAT	
SHOOT OR ACIDIZE	
PULL OR ALTER CASING 1	(NOTE: Report results of multiple completion or zone change on Form 9-330.)
MULTIPLE COMPLETE	
CHANGE ZONES	
(other)	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly including estimated date of starting any proposed work. If we measured and true vertical depths for all markers and zones per proposed.)	Il is directionally drilled give subsurface locations and
Lt is proposed to change the ca	sing program on Application
to Drill" subject well from 1000	0', 85/8', 24#
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18. I hereby certify that the foregoing is true and correct	
11 and the 1:	
SIGNED WAY A. CHANNEY TITLE HAMNY O	Dup DATE 1-10-79
(This space for Federal or St	rate office use)
APPROVED BY TITLE	DATE DATE
CONDITIONS OF APPROVAL, IF ANY:	Emilia Colonia
USGS DURANGO 5 BEA	型程度 15月879 80 3 夏夏 中國
MJL *See Instructions on Re	verse Side