MJL

REL. FOL. GI Paso.

#### SUBMIT IN TRIPLICATE\*

Form approved. Budget Bureau No. 42-R1425.

DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side) **UNITED STATES** 

	DEPARTMEN	IT OF THE INTE	RIOR	side)	30-037-230			
	GEOL	OGICAL SURVEY			5. LEASE DESIGNATION AND SERIAL NO.			
APPLICATIO	N FOR PERMIT	TO DRILL, DEEP	PEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
. TYPE OF WORK	ILL D				Licarilla Apacha			
TYPE OF WELL	_	DEEPEN	PLUG BA	'CK □	7. UNIT AGREEMENT NAME			
NAME OF OPERATOR	VELL OTHER		SINGLE MULTI	PLE	8. FARM OR LEASE NAME			
		OIL COMPANY			9. WELL NO.			
ADDRESS OF OPERATOR	P. O. Box 460, F	Hobbs, N.M. 8824	10		10			
		d in accordance with any			10. FIELD AND POOL, OR WILDCAT			
	end (010, EMF				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA			
DISTANCE IN MILES	AND DIRECTION FROM NE	AREST TOWN OR POST OFFIC	.E.+		SEC 21 T25N RAW  12. COUNTY OR PARISH 13. STATE			
DISTANCE FROM PROPO LOCATION TO NEAREST	r	16. No	O. OF ACRES IN LEASE	17. No. 0	OF ACRES ASSIGNED			
PROPERTY OR LEASE I. (Also to nearest drig	g. unit line, if any)			TO T	HIS WELL			
DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON THE	RILLING, COMPLETED	19. PI	ROPOSED DEPTH		TARY OR CABLE TOOLS			
	ether DF, RT, GR, etc.)		8-60'	1 80	TARY			
7128' GR	,,				22. APPROX. DATE WORK WILL START*			
1120 910		PROPOSED CASING ANI	O CEMENTING PROGR	A M	JUNE 1, 1979			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT			
12 1/4"	8 <sup>5</sup> /8 "	2.4	400 ' 210					
77/8" 51/2"		15.5# : 17#	8060'	840				
SEE ATTO	XHMENT FOR	Dakota oil wa TEN point a Point Surface	well plan.					
	ė		The state of the s	101	2.1.y.			
If proposal is to d nter program, if any.	PROPOSED PROGRAM: If prill or deepen directiona	proposal is to deepen or pl lly, give pertinent data or	lug back, give data on pr n subsurface locations en	d messured	otive one and proposed new productive and rue vertical depths. Give blowout			
IGNED Bin A	-Lec	TITLE Gdv	ministrativa Superi	USOR	DATE 4-20-79			
This space for Federa	al or State office use)				DATE			
ERMIT NO.			APPROVAL DATE					
PPROVED BY		m;						
ONDITIONS OF APPROVAL	C, IF ANY:	TITLE			DATE			
N II	k 5mh	+0						

\*See Instructions On Reverse Side

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

	All distan	ices must be from the	outer boundaries of	the Section.	
Operator		Lease			Well No.
CONTINENTAL OIL CO	MPANY	JICA	ARILLA 22		10
Unit Letter Section Township			mge	County	10
D 21	25N		μM	Rio Arriba	
Actual Footage Location of Well:				ILLO APPEDA	
820 feet from th	e North	line and 610		7.7 m m m	
	ing Formation	line and OIU	feet	t from the West	line
	kota Gallup	4	. Timberta a	De	dicated Acreage:
		west	Linarith G	allup Dakota	160 Acres
1. Outline the acreage of	ledicated to the	subject well by	colored pencil or	r hachure marks on the r	alat helow
2. If more than one lea interest and royalty).	se is dedicated	to the well, outli	ne each and iden	ntify the ownership there	eof (both as to working
3. If more than one lease dated by communitizat	ion, unitization,	force-pooling. etc	<i>?</i>		l owners been consoli-
Yes No		es," type of conso			-
inia roim it necessary.	/			tually been consolidated	
No allowable will be a	ssigned to the we	ll until all interes	sts have been co	onsolidated (by commun	itianti
forced-pooling, or other	wise) or until a n	on-standard unit	eliminating such	interests, has been app	intization, unitization,
sion.	,	on orangara anit,	erminating such	i interests, has been app	proved by the Commis-
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# ATTACHMENT TO FORM 9-331 C APPLICATION FOR PERMIT TO DRILL

Continental Oil Company
Jicarilla 22 No. 10
Sec. 21 T25N R4W
Rio Arriba County, New Mexico

- 1. The geologic name of the surface formation is Cretaceous 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:

```
0-400' 8 5/8", 24#, J-55, ST&C
0-6300' 5 1/2", 15.5#, J-55, ST&C
6300-8060' 5 1/2", 17#, J-55, ST&C
```

- 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:

```
0-400' 8.5-9.5 ppg spud mud

400-6700' 8.3-9.3 ppg fresh water gel (low solids)

6700-8060' 8.8-9.4 ppg fresh water gel
```

- 7. The auxiliary equipment to be used is:
  - (1) kelly cocks
  - (2) floats at the bit
- It is proposed to run SP-IES log from TD to approximately 3200' and GR CAL CNL FDC PDC logs at selected intervals.
- 9. No abnormal pressures or temperatures are expected to be encountered in this well.
- 10. The anticipated starting date is June 1, 1979, with a duration of approximately 21 days.

PEB:cab

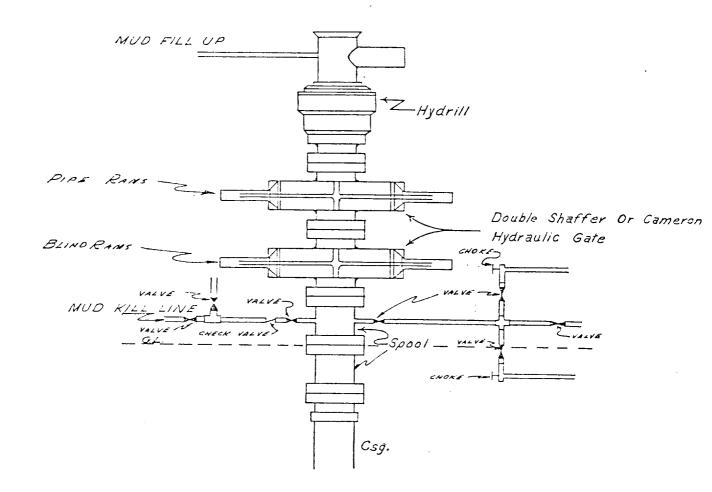
LOCATION: 820 FNL4610 FWL Sec, 21, T25H, R4W

STATE: M.M.

GL: 7128 (surveyor)

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			GR-CAL-FDC	·						
			Selected Intervals							
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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. SURFACE USE PLAN
Continental Oil Company
Jicarilla 20 Nos. 7 and 8
Jicarilla 22 No. 10 

Jicarilla 30 No. 16
T-25N, R-4W
Rio Arriba County, New Mexico

The plan is to accompany "Application for Permit to Drill" the subject wells. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the wells 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 20 No. 7 1670' FSL and 910' FEL, Section 19
  Jicarilla 20 No. 8 770' FNL and 760' FWL, Section 19

  Jicarilla 22 No. 10 820' FNL and 610' FWL, Section 21
  Jicarilla 30 No. 16 660' FSL and 1980' FWL, Section 29
- B. Exhibit "A" is a portion of a Jicarilla area Lease map showing existing roads and proposed new road and location. A portion of a New Mexico road map is also included for further clarification.
- C. The 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 "B".

#### 4. Location of Existing and/or Proposed Facilities

- A. Tank Batteries: Two 400 Bbl. tanks 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 location and 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"), SE/4, Section 10, T-24N, R-4W, Rio Arriba County, New Mexico.

#### 6. Source of Construction Materials

Not applicable. Drilling pad to be compacted.

### 7. Methods for Handling Waste Disposal

Waste Disposal: Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible location within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "D" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically.

#### 8. Ancillary Facilities

None

#### 9. Well Site Layout

Exhibit "D" shows the relative location and dimensions of the well pad, mud pit, reserve pit, 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 and rehabilitation of the surface is planned to be completed within 45 days from commencement. 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:
- C. Vegetation:
- 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

J. R. Kemp 1001 North Turner Hobbs, New Mexico 88240 Phone: (505) 393-4141

#### 13. Certification

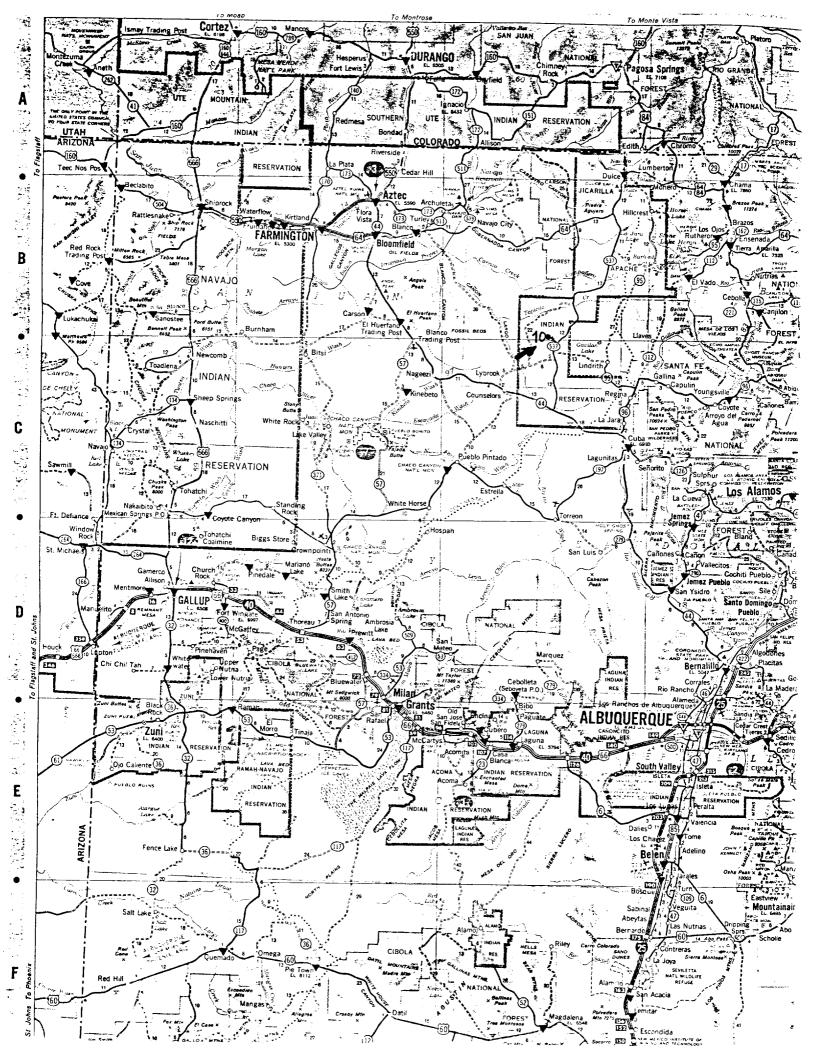
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated 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.

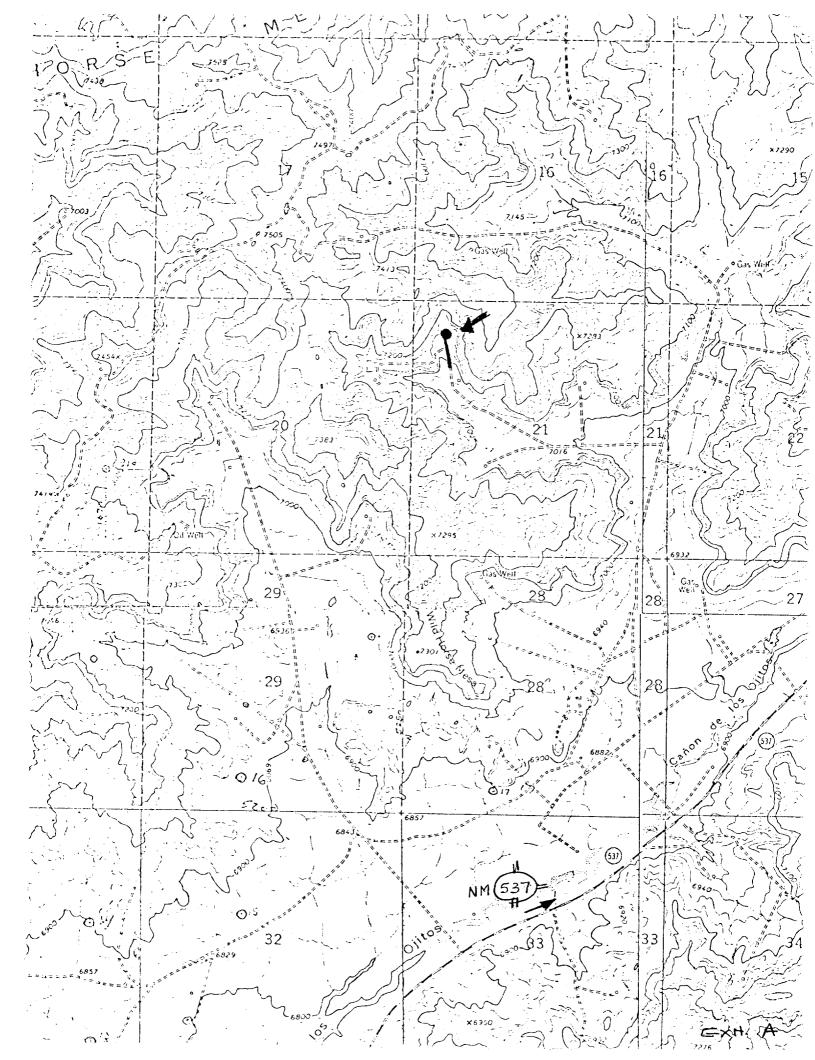
4-20-79

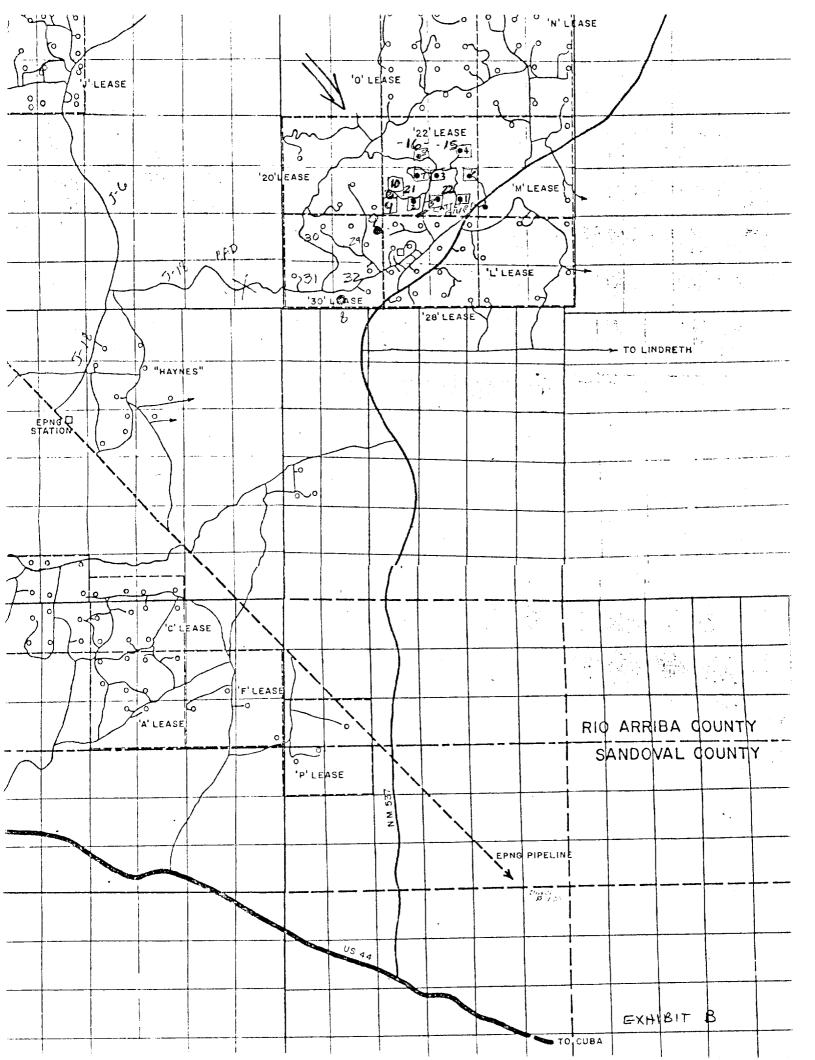
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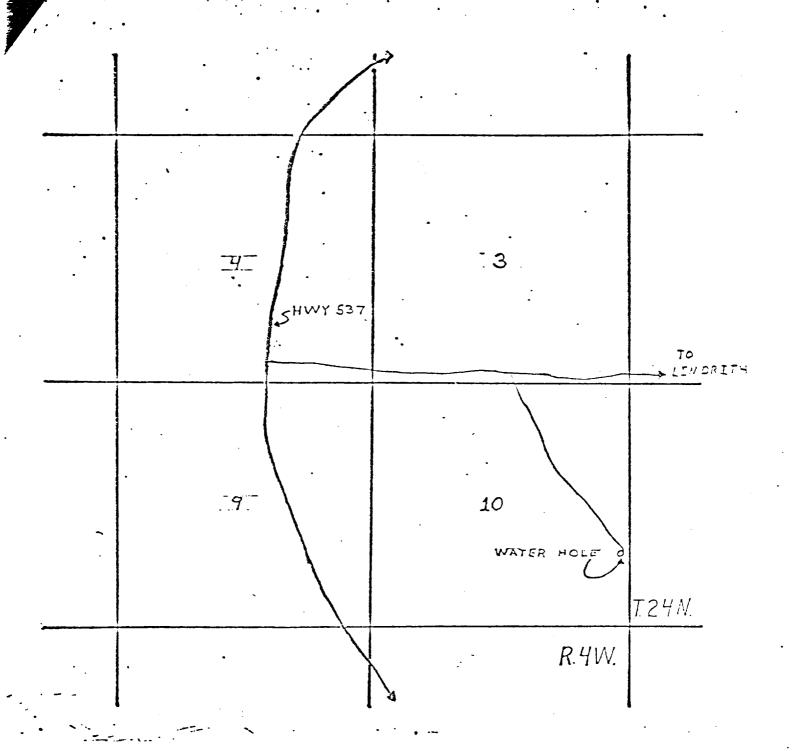
PEB:skr

Assistant Division Manager









TPRODUCTION DEPT. HOBBS DIV.

LARGO WATER HOLE

LEGEND

CONOCO WELL

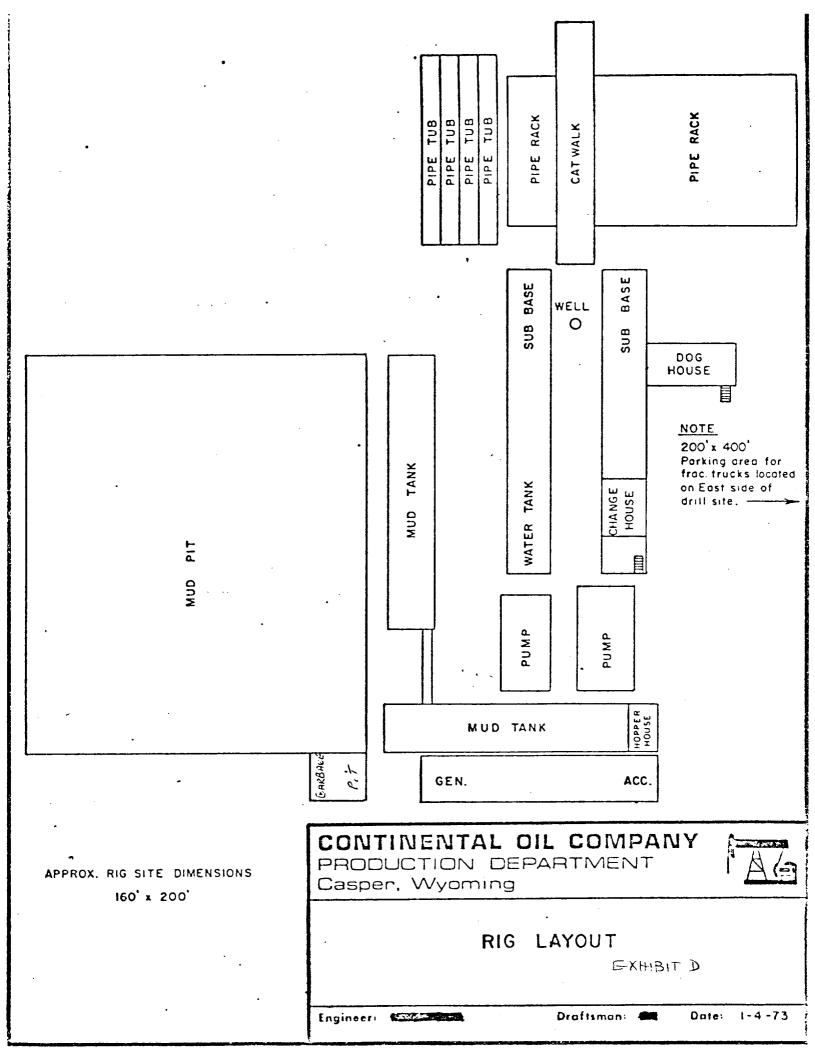
A TANK BATTERY

LEASE ROAD

HWY.

NTS

CHAVEZ



Report 78-SJC-209 Permit 404-77/NM-084 A New Mexico Service Permit

An Archaeological Clearance Survey of Eight Proposed Wells and Access Routes Conducted for Continental Oil Company

Submitted by,
Billy J. Naylor,
Coordinator and
Dabney Ford
Cultural Resource
Management Program
San Juan Campus
N. M. State University
25 October 1978

An Archaeological Clearance Survey of Eight Proposed Wells and Access Routes Conducted for Continental Oil Company

On October 18 and 19, 1978, Billy J. Naylor and Dabney Ford of New Mexico State University's Cultural Resource Management Program, San Juan Campus, conducted and archaeological clearance survey of eight proposed wells and access roads for Continental Oil Company at the request of Mr. Andrew Anderson of Continental Oil Company and Mr. Joe McKinney of Atchison Construction Company.

Mr. Anderson, Mr. McKinney, and Mr. Fred Kerr of Kerr Land Survey were present during the inspections.

The proposed locations and access roads were inspected by walking transects over a 300 X 300 foot area for the location. The access routes were inspected by walking the length of each in a zig-zag pattern, under Federal Antiquities Permits, 404-77/NM-084 and New Mexico State University's Permit for New Mexico States National Forest Lands.

The most recent listings of the National Register of Historic Places have been consulted and no sites which appear on the Register and no sites which have been nominated to the Register occur on the Project area. The proposal complies with the provisions of the Historic Preservation Act of 1966 and with Executive Order 11593. It is recommended that archaeological clearance be given.

Proposed Well: CONTINENTAL OIL - JICARILLA 30 #16

Land Status: Jicarilla Apache Indian Reservation

Location: 660 feet from the south line and 1980 feet from the west

line of Section 29, Township 25 North, Range 4 West, N.M.P.M., in Rio Arriba County, New Mexico. (Figure 1).

Access: Width: 20 feet Length: 500 feet to existing pipeline

right-of-way.

Total Area Inspected: 2.6 acres

Terrain: Gently rolling sagebrush flat.

Soil: Sandy loam.

Vegetation: Sagebrush, winter fat, shadscale, russian thistle, wolf-

berry, blue grama.

Cultural Resources: None found.

Recommendations: Clearance is recommended.

Proposed Well: CONTINENTAL OIL - JICARILLA 22 #10

Land Status: Jicarilla Apache Indian Reservation

Location: 820 feet from the north line and 610 feet from the west

line of Section 21, Township 25 North, Range 4 West, N.M.P.M., in Rio Arriba County, New Mexico. (Figure 1).

Access: Adjacent to existing location. No new access.

Total Acreage Inspected: 2.4 acres.

Terrain: Gently rolling to flat small cove.

Soil: Sandy clay loam.

Vegetation: Sagebrush, shadscale, russian thistle, broom snakeweed,

black grama.

Cultural Resouces: None found.

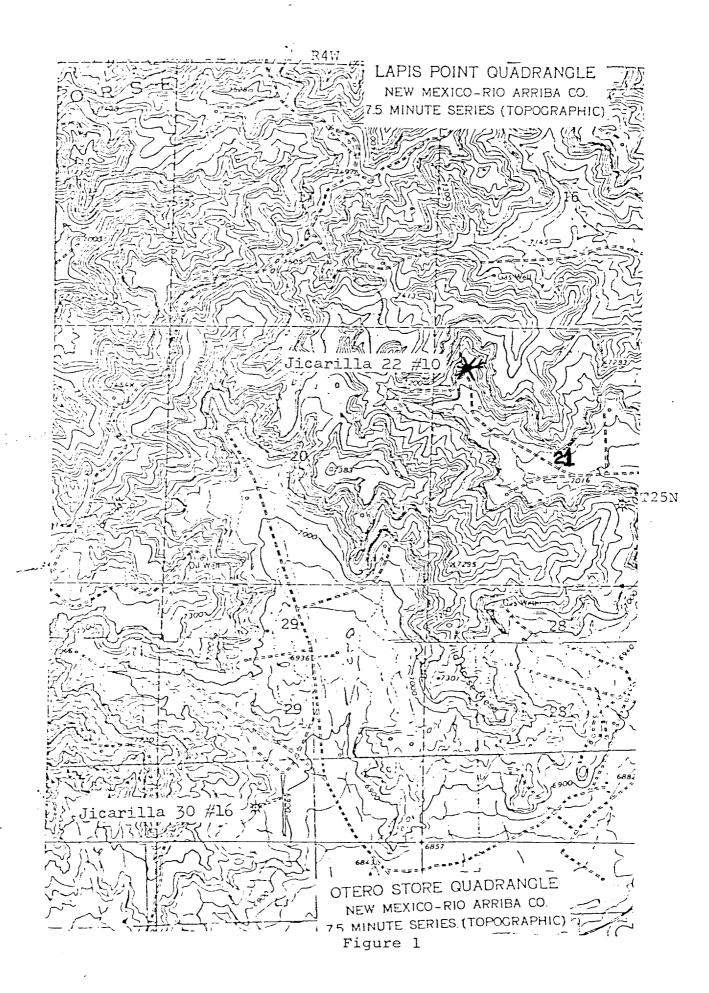
Recommendations: Clearance is recommended.

Proposed Well: CONTINENTAL OIL - JICARILLA 20 #8

Land Status: Jicarilla Apache Indian Reservation

Location: 770 feet from the north line and 760 feet from the west

line of Section 19, Township 25 North, Range 4 West, N.M.P.M., in Rio Arriba County, New Mexico. (Figure 2).





## United States Department of the Interior

Environmental Quality - 305

BUREAU OF INDIAN AFFAIRS
ALBUQUERQUE AREA OFFICE
P. O. BOX 8327
ALBUQUERQUE, NEW MEXICO 87198

MOV 29 1978

Mr. Andrew Anderson Continental Oil Company Petroleum Center Building, Rm 215 501 Airport Drive Farmington, New Mexico 87401

Dear Mr. Anderson:

We have recently received an archeological survey report entitled, "An Archaeological Clearance Survey of Eight Proposed Wells and Access Routes Conducted for Continental Oil Company." This report was prepared by Mr. Billy J. Naylor and Ms. Dabney Ford, dated October 25, 1978, and numbered 78-SJC-209. We understand that you also have a copy of this report.

We have reviewed the portions of this report that deal with proposed activities on lands belonging to the Jicarilla Apache Tribe. We note that no cultural resources are encountered during the requisite field inspection. Therefore, no effect upon significant cultural resources is expected to result from the proposed action. Accordingly, archeological clearance for Jicarilla 30 #16, Jicarilla 22 #10, Jicarilla 20 #8, Jicarilla 20 #7, and AXI Apache K #6A is granted under the following stipulations: 1. that all land altering activity be confined to the archeologically surveyed area; and 2. that in the event that subterranean cultural resources are encountered, that land alteration be halted and the Area Archeologist notified.

If you have any questions regarding this matter, please contact Mr. William C. Allan, Area Archeologist, Environmental Quality Services, at 766-3374.

Sincerely yours

Deputy Area Director

