#### SUBMIT IN TRIPLICATE\*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

UNITE	ED S	STATI	ES	
DEPARTMENT	OF	THE	INTER	IOR

30-039-330025. Lease designation and serial no. 30-039-**GEOLOGICAL SURVEY** 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DEEPEN | PLUG BACK [7] DRILL 1 b. TYPE OF WELL WELL SINGLE ZONE MULTIPLE ZONE GAS WELL H S. FARM OR LEASE NAME OTHER 2. NAME OF OPERATOR CONOCO 29 -4 3. ADDRESS OF OPERATOR OIL 10. FIELD AND POOL, OR WILDCAT P.O. BOX 460 HOBBS, N.M. 88240
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) CHOZA MESA CLIEBS EXT SEC., T., R., M., OR BLK.
 AND SURVEY OR AREA 1740' FNL and 1460' FWL At proposed prod. zone SEC 13, T29N, RAV 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE® RIOARRIBA 16. NO. OF ACRES IN LEASE 15. DISTANCE FROM PROPOSED\* 17. NO. OF ACRES ASSIGNED LOCATION TO NEARRST PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any) TO THIS WELL 160 640 19. PROPOSED DEPTH 18. DISTANCE FROM PROPOSED LOCATION\*
TO NEAREST WELL, DRILLING, COMPLETED,
OB APPLIED FOR, ON THIS LEASE, FT. 20. ROTARY OR CABLE TOOLS 22. APPROX. DATE WORK WILL START\* 44ZS' 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7394' GI MAR. 24, 1979 PROPOSED CASING AND CEMENTING PROGRAM WEIGHT PER FOOT SETTING DEPTH SIZE OF HOLE SIZE OF CASING QUANTITY OF CEMENT 24# 400 500 1214 85/8 215 sx 10.5 77/8 41/2 4425' 365 SX IT is proposed to drill a STRAIGHT HOLE TO A ID OF 4425' AND COMPLETE PICTURED CLIFFS GAS WELL. SEE ATTICHMENT FOR 10 POINT WEll Plan. SEC ATTACHED FOR 13 POINT SURFICEUSE Plan Acrespe is dedicated to a gas trechasor. JAN 22 1979 ngigal Sur/ri IN ABOVE SPACE DESCRIBE PROFOSED 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 perticent data on subsurface locations and areasured and true vertical depths. Give blowout preventer program, if any. 24. DATE 1-15-79 Superview (This space for Federal or State office PERMIT NO. APPROVAL DATE

CONDITIONS OF APPROVAL, IF ANY:

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\*See Instructions On Reverse Side

MJL JFB REL

NORTHWESTORN Pipeline - Salt Lake City, UtoH

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

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

Operator				Le	Lease .				-	Well No.
CONTINENTA	LOILC	OMPANY		c	ONOCO?	29-4				19
Unit Letter	Section		Township		Range		County			
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3. If more tha	n one le	ase of di	fferent ow	nership is ded	icated t	o the well, h	nave the	interests o	f all ov	vners been consoli-
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# ATTACHMENT TO FORM 9-331 C APPLICATION FOR PERMIT TO DRILL

Continental Oil Company
Conoco 29-4 No. 13
T29N R9W
Rio Arriba County, New Mexico

- 1. The geologic name of the surface formation is cretaceous.
- 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 **5**00' 8 5/8", 24#, K-55, ST&C 0 4425' 4½", 10.5#, K-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' 8.5-9.0 ppg spud mud 400' - 4425' 8.5 - 9.0 ppg fresh water gel
- 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 400' 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 for the well is March 24, 1979, with a duration of approximately seven days.

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## PROPOSED WELL PLAN DUTCHE

WELL NAME: CONOCO 23-4 No. 13

COUNTY: Pio Arrion

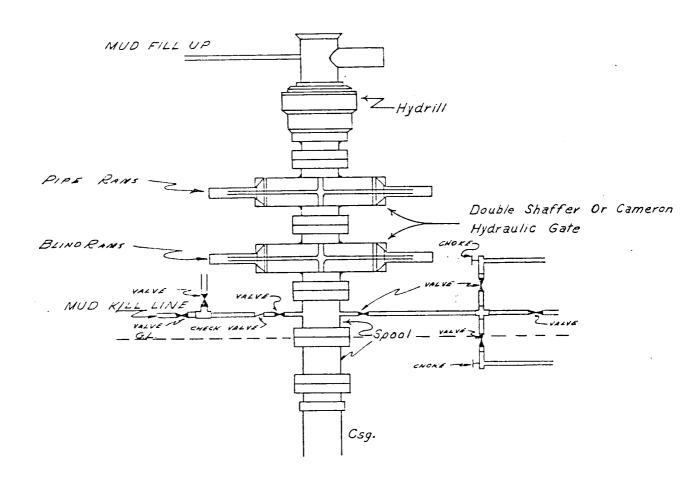
LOCATION: 1740 FNL +1460 FWL

STATE: N. M.

Sec, 13, T29N, R4W

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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.

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TOP COLORIDAL SURVICE ------

# SURFACE USE PLAN Continental Oil Company Conoco 29-4 Nos. 11, 12, and 13 T-29N, 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 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: Well No. 11 - 1090' FSL and 990' FEL, Section 24 Well No. 12 - 1180' FNL and 990' FWL, Section 24 Well No. 13 - 1740' FNL and 1460' FWL, Section 13
- B. Exhibit"A" is a portion of a New Mexico road map showing existing roads and location.
- 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: none required.
- B. Gas gathering line to be installed by purchase of produced gas.
- C. 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.

#### Water Supply

The supply of water will be hauled from La Jara wash located NW/NW Sec. 20, T-29N, R-4W.

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TO A THEODICAL SURVEY

#### 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 locations 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.
- В. Soil:
- C. Vegetation:
- D. Surface Use: Suitable for grazing.
- E. Ponds and Streams: La Jara Creek, see Exhibit "B" for relative location with respect to well site.
- F. Water Wells: None within one mile.
- G. Residences and Buildings: None within one mile.

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JAN 22 1979

TO BE TO THE SURVEY

- 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: See attached archaeological report.

#### 2. 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

#### 3. 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.

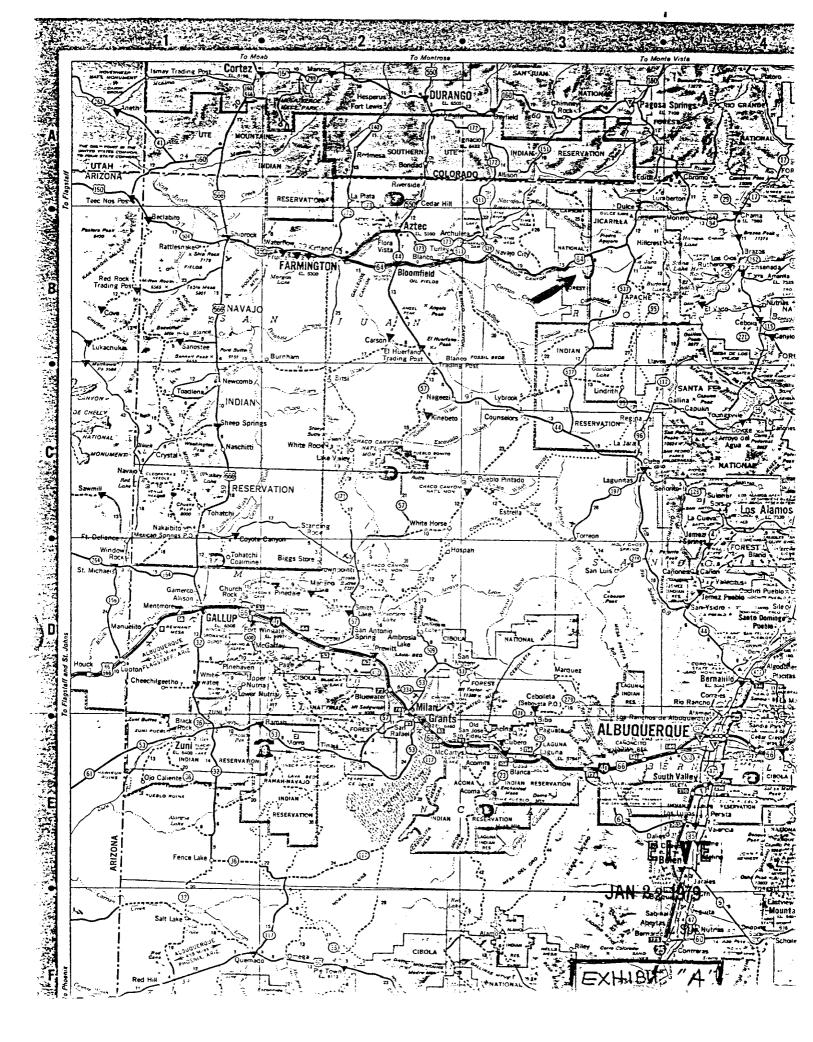
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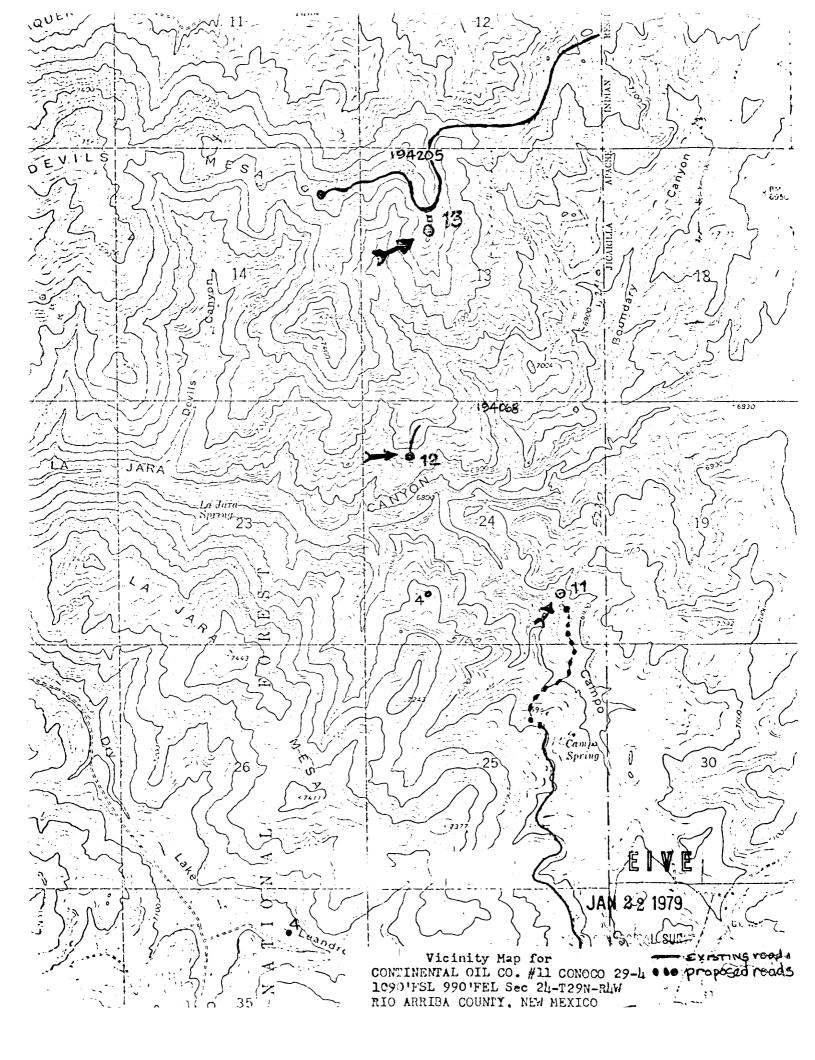
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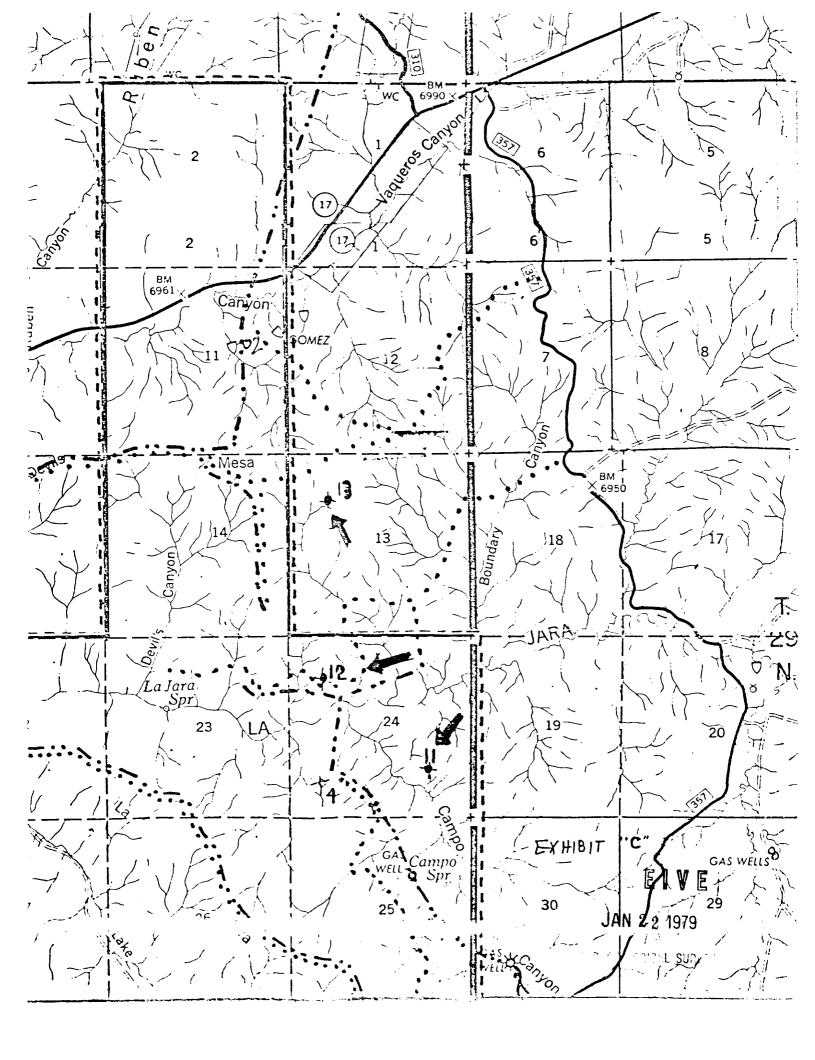
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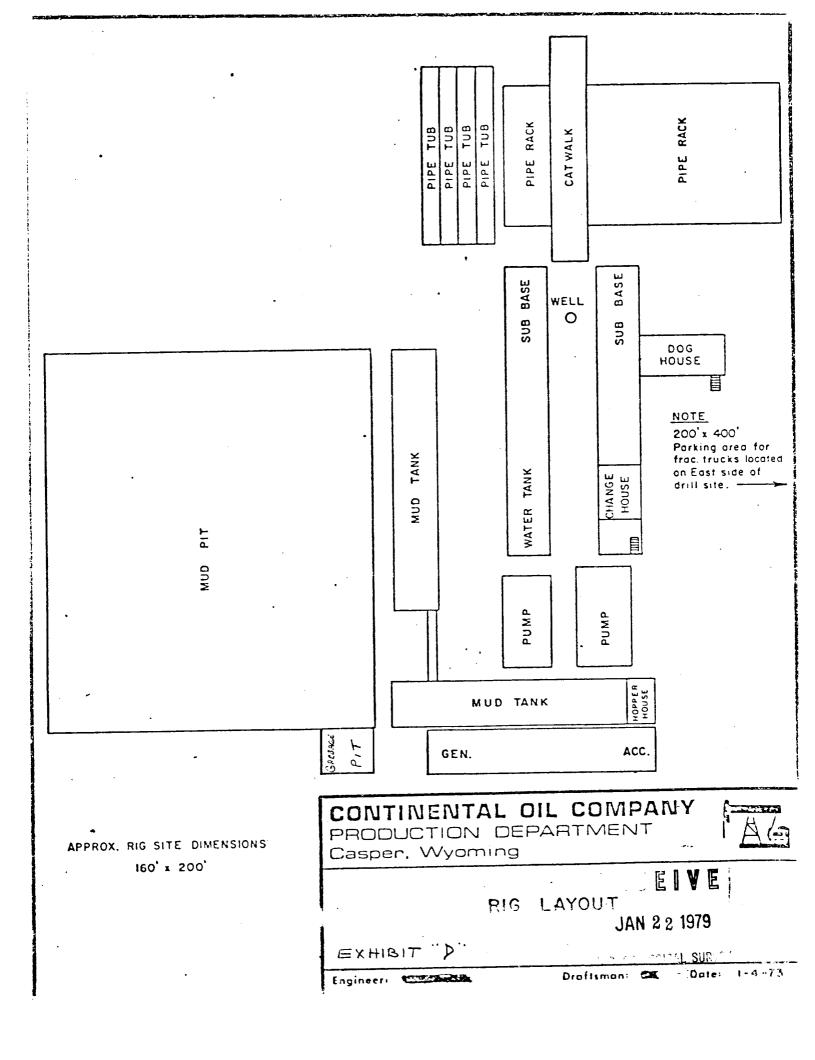
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Report 78-SJC-209 Permit 404-77/NM-084 A New Mexico Service Permit

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

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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

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Land Status: Jicarilla Apache Indian Reservation

JAN 22 1979

SUCCESSION SUPPLIES.

Total Area Inspected: 2.5 acres.

Broken, rolling mesa top. Terrain:

Sandy clay with sandstone boulders. Soil:

Pinon, juniper, sagebrush, narrow leaf yucca, broom snake-Vegetation:

weed, blue grama.

Cultural Resources: None found.

Recommendations: Clearance is recommended.

CONOCO 29-4 #13 Proposed Well:

Land Status: Carson National Forest - Jicarilla District

1740 feet from the north line and 1460 feet from the west Location:

line of Section 13, Township 29 North, Range 4 West, N.M.P.M., in Rio Arriba County, New Mexico. (Figure 4).

Width: 20 feet Length: 300 feet along ridge from north. Access:

Total Area Inspected: 2.58 acres.

Narrow point on Devil's Mesa. Rugged broken topography. Terrain:

Sandy with sandstone boulders and outcrops. Soil:

Douglas fir, pinon, juniper, gamble's oak, mountain mahogany, prickly pear cacti. Vegetation:

Cultural Resources: None found.

Recommendations: Clearance is recommended.

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Proposed Well: CONOCO 29-4 #11

Land Status: Carson National Forest

1090 feet from the south line and 990 feet from the east Location:

line of Section 24, Township 29 North, Range 4 West,

N.M.P.M., in Rio Arriba County, New Mexico. (Figure 5).

3000 feet long and 20 feet wide approaching the location Access:

from the south and using an existing road where possible.

Broken drainage bottom and ridge slope with westerly Terrain:

drainage, alluvial surface deposits, and sandstone outcrops.

Soil:

Clayey loamy sand.

Vegetation:

Juniper, pinon, sagebrush, ponderosa pine, gamble's oak, snakeweed, rabbitbrush, prickly pear cacti, winterfat,

blue grama, wheat grass, galleta.

Cultural Resources: None found.

Recommendations: Clearance is recommended.

Proposed Well: CONOCO 29-4 #12

Land Status: Carson National Forest

Location:

1180 feet from the north line and 990 feet from the west line of Section 24, Township 29 North, Range 4 West, N.M.P.M., in Rio Arriba County, New Mexico. (Figure 5).

Access:

600 feet long and 20 feet wide approaching the well from

the north.

Terrain:

Broken ridge top with westerly drainage, alluvial surface

deposits, and sandstone outcrops.

Soil:

Sandy clay loam.

Vegetation:

Juniper, pinon, ponderosa pine, sagebrush, prickly pear cacti, blue grama, galleta, bitterbrush, snakeweed, aster.

Site SJC-391 was found on the southern edge of the Cultural Resources: original location. The location was moved approximately

250 feet north to completely avoid the site. See site

report and map for details.

Recommendations: Clearance is recommended.

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JAN 22 1979

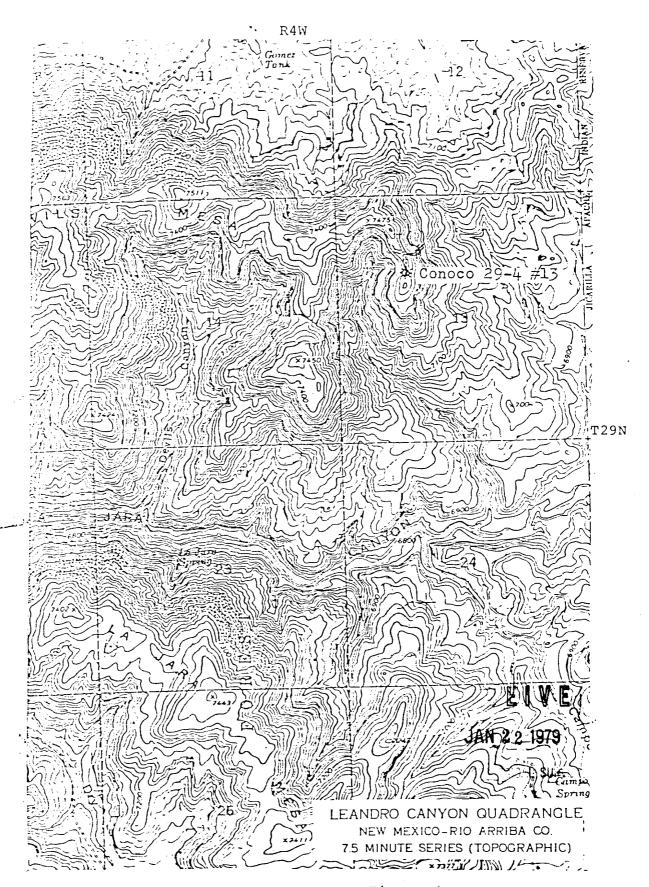


Figure 4

Figure 5

	Hameological D			SITE NO.: L.A.
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				4-wh. dr. XX backhoe
Gargon Hatio	nal Forest			
Fred Kerr				
(checx ): Valley botton	Bench Slope I	Ridge XX Mesa top.	Area of site	Overhang Cave Dune O(m E-!!, 50m N-S
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	Arroya 200m Sc	onfluence	Spring	Sceps
	a Local veget:	uon natierne Jur	<u>liper, pinon</u>	, ponderosa pine, rabbitbrush, aster
<u> </u>			Di	noto: B/WColor ings_along_La_Jara
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Report 78-	SJC-209			
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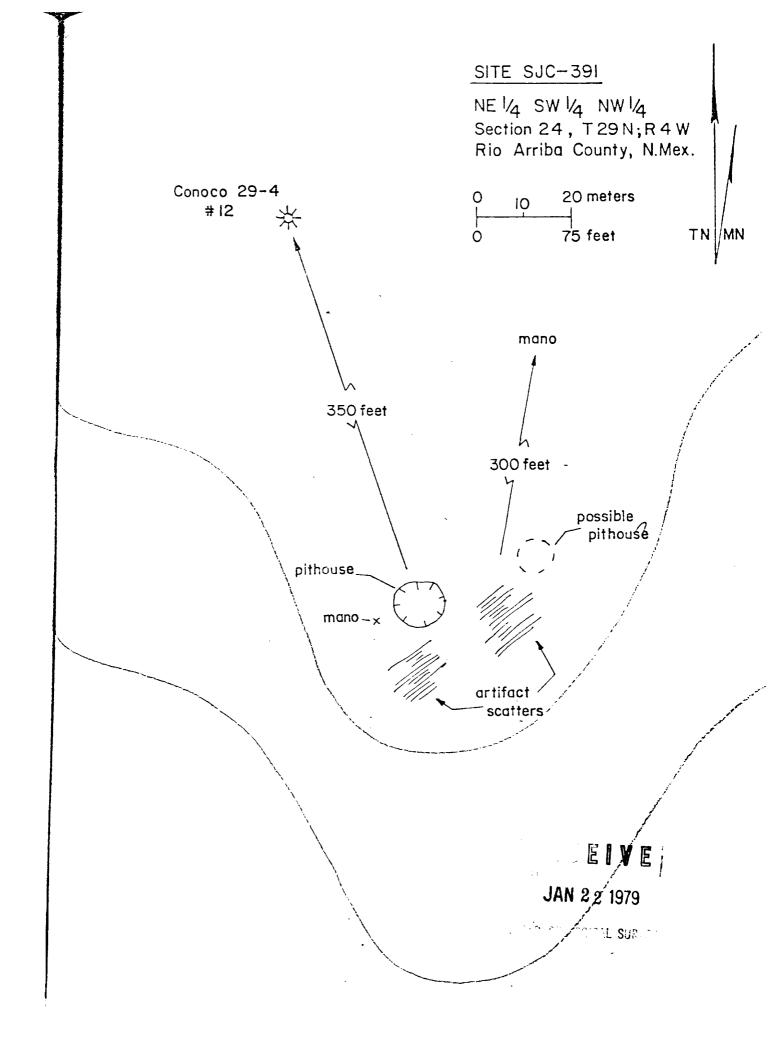
## g 333-291

Site SUC-391 consists of at least one pithouse depression and an obtained artifact scatter. The depression, 10 meters in diameter .50 meter deep, is on the tip of a narrow ridge overlooking La Jara cn. There is a slight, ill-defined depression 25 meters to the east, the may indicate a second structure. The artifacts associated with site are concentrated on the east and south of the pithouse. This are concentration is probably due more to alluvial ercsion than to ural activities. Sherds found on the surface include Rosa Plain es, one with basket impressions, and Rosa B/W. Flaked lithics are by of chert, quartzite, and chalcedony, and some basalt. No diasocial stools were seen. One rectangular bifacial sandstone mane was add near the pithouse, and one found 300 meters to the north. The ter, a fragment, had a hole drilled through the ground surfaces and recianed as if it had been heated or burned.

The site is in good condition although there has been alluvial ing on the east side. The cultural fill may be from 1.5 to 3.0 ro deep and undisturbed. The well location was moved approximately feet north, at the time it was staked, to avoid the site. No direct noisect damage should result from construction, drilling, or mainnes.

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JAN 22 1979



## US DEPARTMENT OF AGRICULTURE FOREST SERVICE SKETCH OF SITE SETTING

Section 24	Township 29 North
Range 4 West	N.M. Peinxipal Meridian
Subdivision NILL) 1/4	
existing trail	
7 53-+ =15 conap	
SITE SAC-391	EA SORT COLUMN
	LA 5
Co	24
	Co. To.
SITE No AR-03-	

Give location with respect to roads and natural landmarks so that this site could be located again. Include key, north arrow, nearby sites, reference points, drainages, etc.

CONTINUATION SPACE: 36° 42' 39" N 107° 12' 36" W

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TO A CONTROL SUPPLIES