SUBMIT IN TRIPLICATE*

(Other instructions on

UNITED STATES DEPARTMENT OF THE INTERIOR

reverse side)

Budget Bureau No. 42-R142	ŏ.
 30-039-2166	7
5. LEASE DESIGNATION AND SERIAL NO.	←

		EOLOGICAL SURV		Contract No.6
	TION FOR PER	MIT TO DRILL,	DEEPEN, OR PLUG	BACK 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
. TYPE OF WORK	DRILL 🔀	DEEPEN	☐ PLUG BA	7. UNIT AGREEMENT NAME
TYPE OF WELL	• •	DEE! EIY		
NAME OF OPERA		HER	SINGLE MULT ZONE ZONE	S. FARM OR LEASE NAME
Conti		A. I Cama	S	V1(0x, 1/2 20
ADDRESS OF OPE	RATOR	O. / Comp	any	9. WELL NO.
Box	460 Hos	55 N.M.	88240	10. FIELD AND POOL, OR WILDCAT
LOCATION OF WE At surface	ELL (Report location cle	arly and in accordance wi	th any State requirements.*)	W. Lind. 14 Galla D.
960	F5L + 165	o FWL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed pro	ou. zone			Soc. 19 T-25N, R-40
DISTANCE IN M	HILES AND DIRECTION FR	OM NEAREST TOWN OR POS	ST OFFICE*	12 COUNTY OR PARISH 13. STATE
DISTANCE FROM	PROPOSEN#			KIO ATTIBE N.M.
PROPERTY OR L	EAREST EASE LINE, FT.		16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
DISTANCE FROM	est drig. unit line, if any representation*		19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
	ELL, DRILLING, COMPLET ON THIS LEASE, FT.	ED,	8250'	Rotory
	ow whether DF, RT, GR,	etc.)		22. APPROX. DATE WORK WILL START*
7320	6 K.			6./2.78
	1		NG AND CEMENTING PROGR	RAM
SIZE OF HOLE	SIZE OF CASI	· · · · · · · · · · · · · · · · · · ·	OOT SETTING DEPTH	QUANTITY OF CEMENT
77/24	May 67	15.5 + 4	7,000	600 SX Circ.
60/14 500	p Dukota attacked	oil we	O. P. Progra	•
				644 I 7 1670
BOVE SPACE DES	SCRIBE PROPOSED PROGRA	м: If proposal is to deep	en or plug back, give data on	present productive cone and proposed new productive
If proposal inter program,	is to urin or deepen an	ectionally, give pertinent	data on subsurface locations a	and measured and true vertical depths. Gly blowout
IGNED WAL	a. Butt	eficial TIT	LE ADMIN. SO	124 BATE 3-13-78
This space for	Federal or State office			
ERMIT NO	/			
			APPROVAL DATE	
PPROVED BY		TIT	LE	DATE
UNDITIONS OF AP	PPROVAL, IF ANY:			MAR 1 6 1978
	Click	•		0 101 0

*See Instructions On Reverse Side

1. C. OECLOSICAL SURVEY
LUMBROO, COLD.

4565- Durango(6), G25 ro. N.M., EXXIN, MJL, BEA, F, Le (2)

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section. Operator Well No. CONTINENTAL OIL COMPANY Jicarilla 20 Unit Letter Section Township Range County 25N μW Rio Arriba Actual Footage Location of Well: feet from the South Ground Level Elev. 7320 = Gollup Dakutz 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? 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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. 19 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. 16501 Date Surveyed <u>January 9, 1978</u> Fred B. 660 1320 3950 1650 1980 2310 2000 1500

1000

500

ATTACHMENT TO FORM 9-331 C APPLICATION FOR PERMIT TO DRILL

Continental Oil Company Jicarilla 20 No. 6 and Jicarilla 30 Nos. 10, 11, and 12 T-25N, R-4W Rio Arriba County, New Mexico

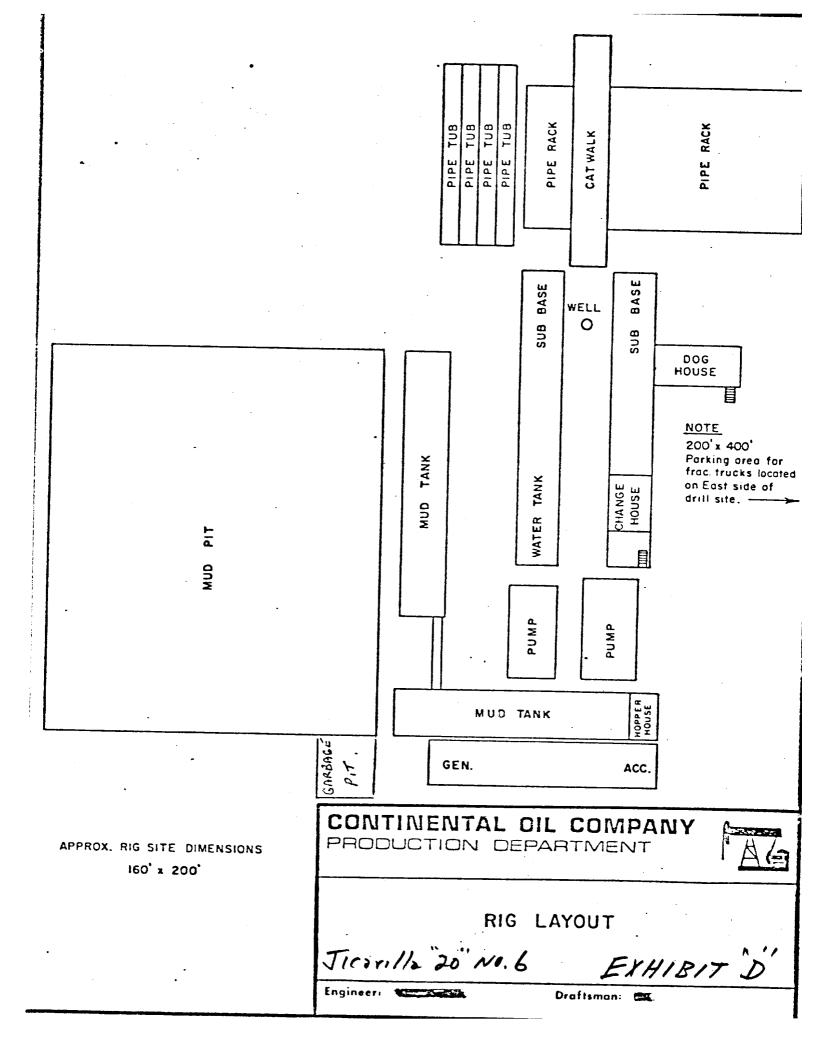
- 1. The geologic name of the surface formation is Quaternary Sand.
- 2. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan.
- 3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on attached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

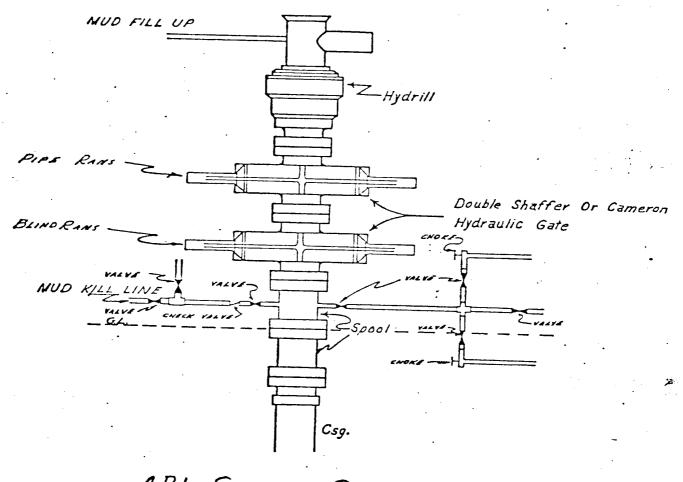
Surface - new 8 5/8" 24# K-55 set at 1000' Production - new 5 1/2" 15.5# and 17# K-55 set at TD

- 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:

0-1000' spud mud 1000-7500' fresh water gel 8.5-9.0 pounds per gallon 8.5-9.0 pounds per gallon

- 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 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 for the first well is June 12, 1978, with a duration date of approximately 21 days for each well.





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. CONTINENTO ON COMPANY TICAY, 1/2 20" NO. 6.

VOLU WELL PLAN OUTLINE

WELL NAME: Jicarilla 20 No. 6

COUNTY: RIO ZINIBA

LOCATION: 960'F5141650'FWL Sec. 19, T25N, R4W

STATE: N.M. Est. 7335 'KB 7320 'GL

	7320'6L									
DEPTH	FORMATION	DRILLING	TYPE OF	HOLE	CAS	SING	ISE NT	TON THE	MUD	
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	- PICIONEL CITY	3 33, 3540							- 1	-
4000										
72.	Chacra 55,445	0								
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	Mesa Verdess.	5230	TD-3300'							
			2"+5"				•	.		
3000			GR-CAL-CIL-FDC							
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Date			Prepared b	v ·	·		· Profile Ass			

Date							
Jack 1		Prepared by					
Approved	• 						

SURFACE USE PLAN Continental Oil Company Jicarilla 20 No. 6 and Jicarilla 30 Nos. 10, 11, & 12 T-25N, R-4W

Rio Arriba County, N. M.

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 20 No. 6, 960' FSL and 1650' FWL of Section 19 Jicarilla 30 No. 10, 1640' FSL and 1190' FWL of Section 30 Jicarilla 30 No. 11, 1500' FNL and 1580' FWL of Section 30 Jicarilla 30 No. 12, 1450' FNL and 1450' FEL of Section 30

- B. Exhibit "A" is a portion of a Jicarilla 20 and or 30 Lease map showing existing roads and proposed new road 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 "A".

4. Location of Existing and/or Proposed Facilities

- A. Tank Batteries: One 400 Bb1. 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 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").

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. Trash pit is shown on "Rig Layout", Exhibit "D". All detrimental waste will be buried with a minimum cover 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:
- 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

E. L. Oshlo 1001 N. 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.

3/13/18 Date E.C. Cella ast, dis mg.

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An Archaeological Clearance Survey of Six Proposed Well Locations and Access Roads Conducted for Continental Oil Company

On January 9, 1978, Dabney Ford of Cultural Resource Management program, San Juan Branch, conducted an archaeological clearance survey at the request of Mr. Andy Anderson; Continental Oil Company. Present during the survey were Mr. Joe McKinney; Superintendant of Atchison Construction Company, Mr. Fred Kerr, Ms. Candy Kerr, and Mr. Dave Medema; all of Kerr Land Surveying. The wells and access roads are on Jicarilla Apache Tribal Lands and surveyed under Federal Antiquities Permit No. 404-NM/77-084.

METHODOLOGY

The wells were surveyed by walking parallel transects, 75 feet apart over the entire location. Access routes were inspected by walking down the centerline the length of the road.

GENERAL RECOMMENDATIONS

No cultural resources warranting location or road changes were found and full archaeological clearance is recommended.

(<u>Jicarilla 20 No.6</u>)

LAND STATUS: Jicarilla Apache Tribal Lands

LOCATION: NW4 of the SE4 of the SW4 of Section 19, Township 25

North; Range 4 West, N.M.P.M. Rio Arriba County, N. Mex. The well will be 960 feet from the South line and 1650 feet from the West line of Section 19. A 300 X 300 foot area was surveyed. See Figure 1.

ACCESS: 1500 feet long and 20 feet wide approaching the well

from the east.

TERRAIN: Broken terrace on Wild Horse Mesa with northwesterly

drainage, alluvial surface deposits and sandstone

outcrops.

SOIL:

Sandy clay loam

VEGETATION:

Juniper, piñon, sagebrush, rabbitbrush, blue grama, tumbleweed, narrowleaf yucca, Yucca baccata, mountain

mahogany, bitterbrush, snakeweed

CULTURAL RESOURCES: No cultural resources were found.

RECOMMENDATIONS:

Archaeological clearance is recommended.

JICARILLA 30 No.10

LAND STATUS: Jicarilla Apache Tribal Land

LOCATION: $SE^{\frac{1}{4}}$ of the $NW^{\frac{1}{4}}$ of the $SW^{\frac{1}{4}}$ of Section 30, Township

25 North ; Range 4 West, N.M.P.M., Rio Arriba County, The well will be 1640 feet from the South line and 1190 feet from the West line of Section 30. A 300 X 300 foot area was surveyed. See Figure 1

ACCESS:

2100 feet long and 20 feet wide approaching the well

from the northeast.

TERRAIN:

Broken rim of Wild Horse Mesa with southerly drainage, alluvial surface deposits and abundant sandstone

outcrops.

SOIL:

Sandy loamy clay

VEGETATION:

Juniper, piñon, mountain mahogany, blue grama, Yucca

baccata, bitterbrush, sagebrush, snakeweed

CULTURAL RESOURCES: Site SJC-162 was found approximately 200 feet

south southeast of the access takeoff from the existing road. The access road will in no way damage the site

therefore no changes are required.

RECOMMENDATIONS:

The cultural resources (Site SJC-162) found were ample distance from the proposed consturction and no changes were made. Therefore archaeological

clearance is recommended.

JICARILLA 30 No.11

LAND STATUS:

Jicarilla Apache Tribal Land

LOCATION: NW% of the SE% of the NW% of Section 30, Township 25 North; Range 4 West, N.M.P.M. Rio Arriba County, N. MEX. The well will be 1500 feet from the North line and 1580 feet from the West line of Section 30. A 300 X 300 foot area was surveyed. See Figure 1.

ACCESS:

800 feet long and 20 feet wide approaching the well

from the North.

TERRAIN:

Top of Wild Horse Mesa in broken terrain with southerly drainage, alluvial surface deposits, and sandstone

outcrops.

SOIL:

Clayey loam

VEGETATION:

Juniper, piñon, sagebrush, mountian mahogany, bitterbrush, snakeweed, Yucca baccata, blue grama

loco weed, narrow leaf yucca

CULTURAL RESOURCES:

No cultural resources were found.

RECOMMENDATIONS:

Archaeological clearance is recommended.

JICARILLA 30 No.12

LAND STATUS:

Jicarilla Apache Tribal Land

LOCATION:

Exact center of the NE $^{1}_{4}$ of Section 30, Township 25 North ; Range 4 West, N.M.P.M. Rio Arriba County, New Mex. The well will be 1450 feet from the North line and 1450 feet from the East line of Section 30. A 300 X 300 foot area was surveyed. See Figure 1.

ACCESS:

The west and south edges of the location border on existing locations and no additional access is necessary.

TERRAIN:

Arroyo bottom with east southeasterly drainage, alluvial surface deposits and sandstone outcrops.

SOIL:

Loamy clayey sand

VEGETATION:

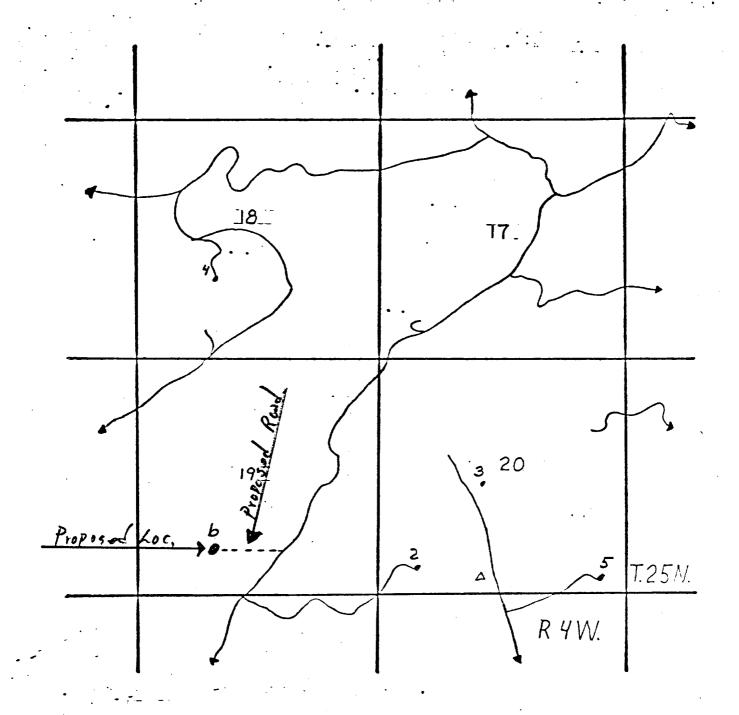
Saltbrush, rabbitbrush, snakeweed, tumbleweed, sagebrush, juniper, piñon, Gamble's Oak, seeded grasses,

blue grama, galleta

CULTURAL RESOURCES: No cultural resources were found.

RECOMMENDATIONS:

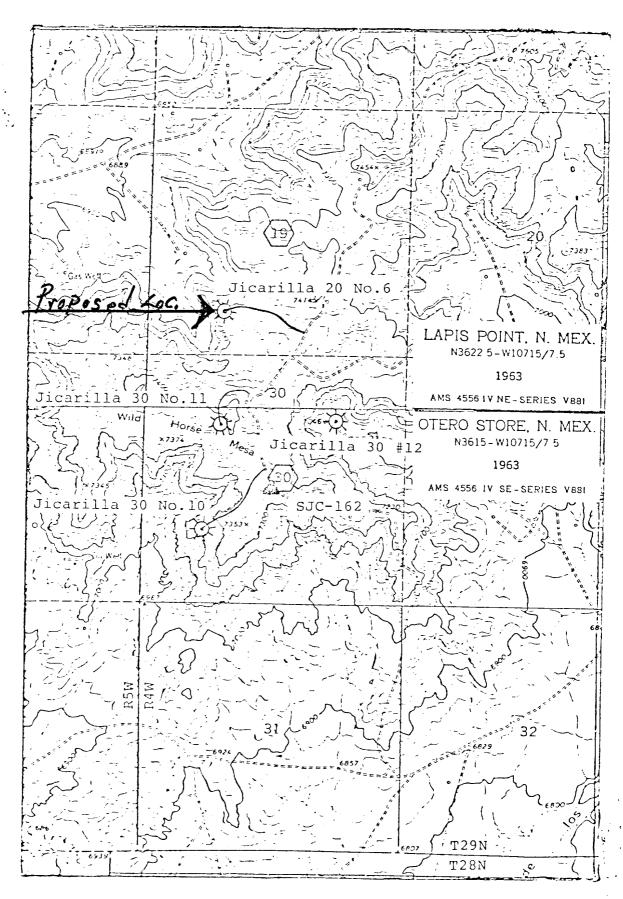
Archaeological clearance is recommended.



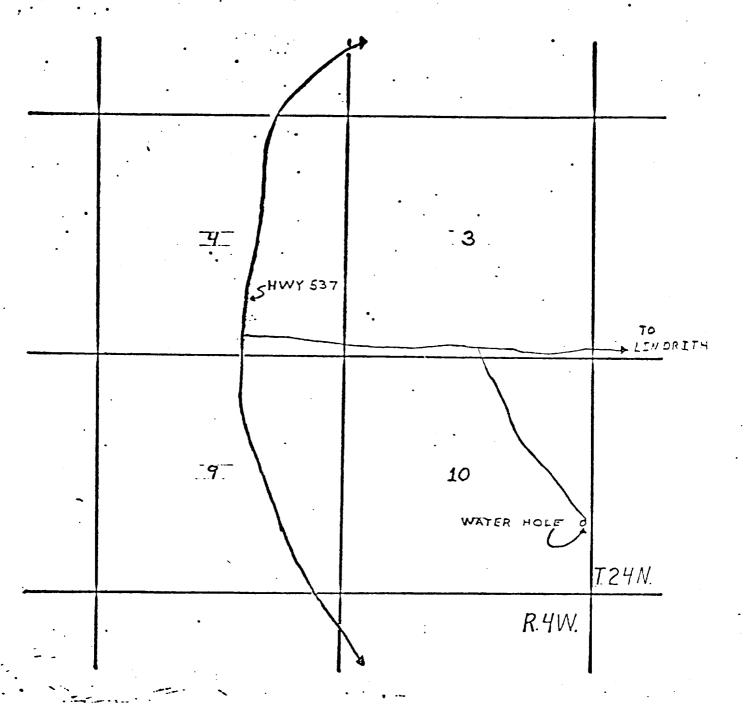
Conoco PRODUCTION DEPT. HOBBS DIV. JICARILLA "20" LEASE Well NO.6 LEGEND CONOCO WELL EXHIBIT A

TANK BATTERY LEASE ROAD HWY.

NTS CHAVEZ



JICAVILLE 20 #6
EXHIBIT'B"



CONOCO

PRODUCTION DEPT. HOBBS DIV.

LARGO WATER HOLE

LEGEND

CONOCO WELL

A TANK BATTERY

LEASE ROAD

HWY.

NTS

CHAVEZ

NWU	3-	698

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION 1000 Rio Brazos Road Aztec, New Mexico 87410

March 24, 1978

Continental Oil Co. P. O. Box 460 Hobbs, New Mexico 88240

cc: Oil Conservation Commission Santa Fe, New Mexico

Accention	n;								
SUBJECT:	NON-STAND	ARD GAS	PRORATION	UNIT CON	NS I ST I NO	OF	163	.16 <u>.</u> ,	ACRES
IN THE	West Lindr	ith Gal	lup-Dakota			_ GAS	POOL D	ESCRIBE	ED AS
FOLLOWS:		•							
	TOWNSHIP	25	NORTH, R	ANGE	4 WE	ST. NA	<u>IPM</u>		
•	SECTION:	19			SW/4				
above-des	rity granted scribed acro se dedicated	eage has	s been appr	oved as					
	6				,	.,		of	said
Section _	19_•						1.		
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