

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC 068281(B)
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Continental Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Box 460, Hobbs, N.M. 88240		8. FARM OR LEASE NAME Russell 30 Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2310' FSL & 990' FWL OF SEC. 30 At proposed prod. zone SAME		9. WELL NO. 9
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT North Mason Delaware
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE 640	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T-26S, R. 32E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3122 GR	19. PROPOSED DEPTH 4300'	13. STATE N.M.
20. ROTARY OR CABLE TOOLS ROTARY		22. APPROX. DATE WORK WILL START* 10-15-76

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24 #	1,000'	600 SK Circ.
7 7/8"	5 1/2"	14 #	4,300'	400 SK

IT IS Proposed to Drill A Straight Hole to A T.D.
OF 4300' and complete as a oil well IN The
North Mason Delaware.

Mud Program: 0-1000' Fresh Water; 1000-4300', Salt
Gel, 9.0-10.0 #.

See attached For B.O.P. Program,

See Attached Proposed well Plan For Formation TOPS,
Logging, ETC.

IN ABOVE SPACE DESCRIBE PROPOSED 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 pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bill Penfrow TITLE adm Supervisor DATE 9-15-76
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL

*See Instructions On Reverse Side

SGS-6. File

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

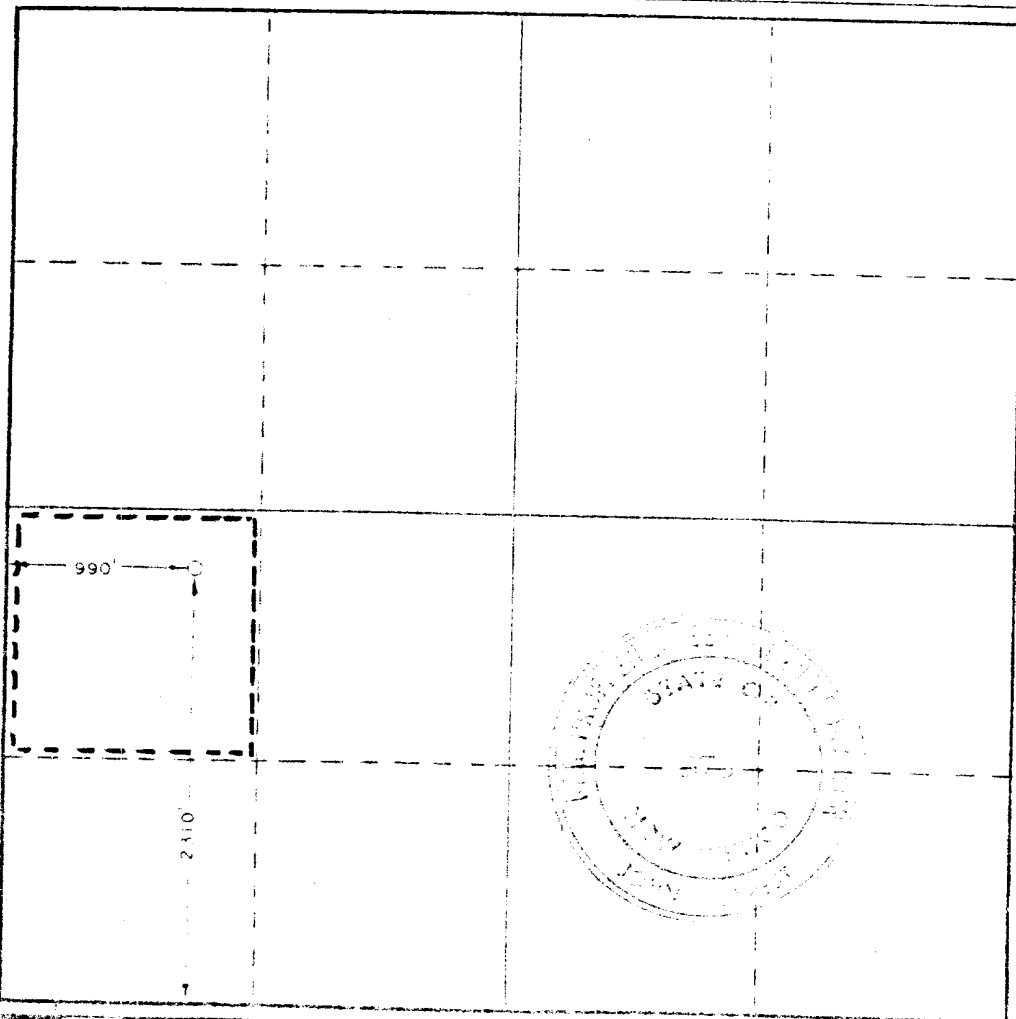
Operator CONTINENTAL OIL COMPANY			Lease Russell 30 Federal			Well No. 9
Unit Letter L	Section 30	Township 26 South	Range 32 East	County Lea		
Actual Footage Location of Well: 990 feet from the west line and 2310 feet from the south line						
Ground Level Elev. 3121.9	Producing Formation Delaware		Pool North Mason Delaware	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

☐ Yes ☐ No 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 Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Bill Penfrow
Position
Adm. Supervisor
Company
CONTINENTAL OIL CO.
Date

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.

Date Surveyed

July 12, 1976

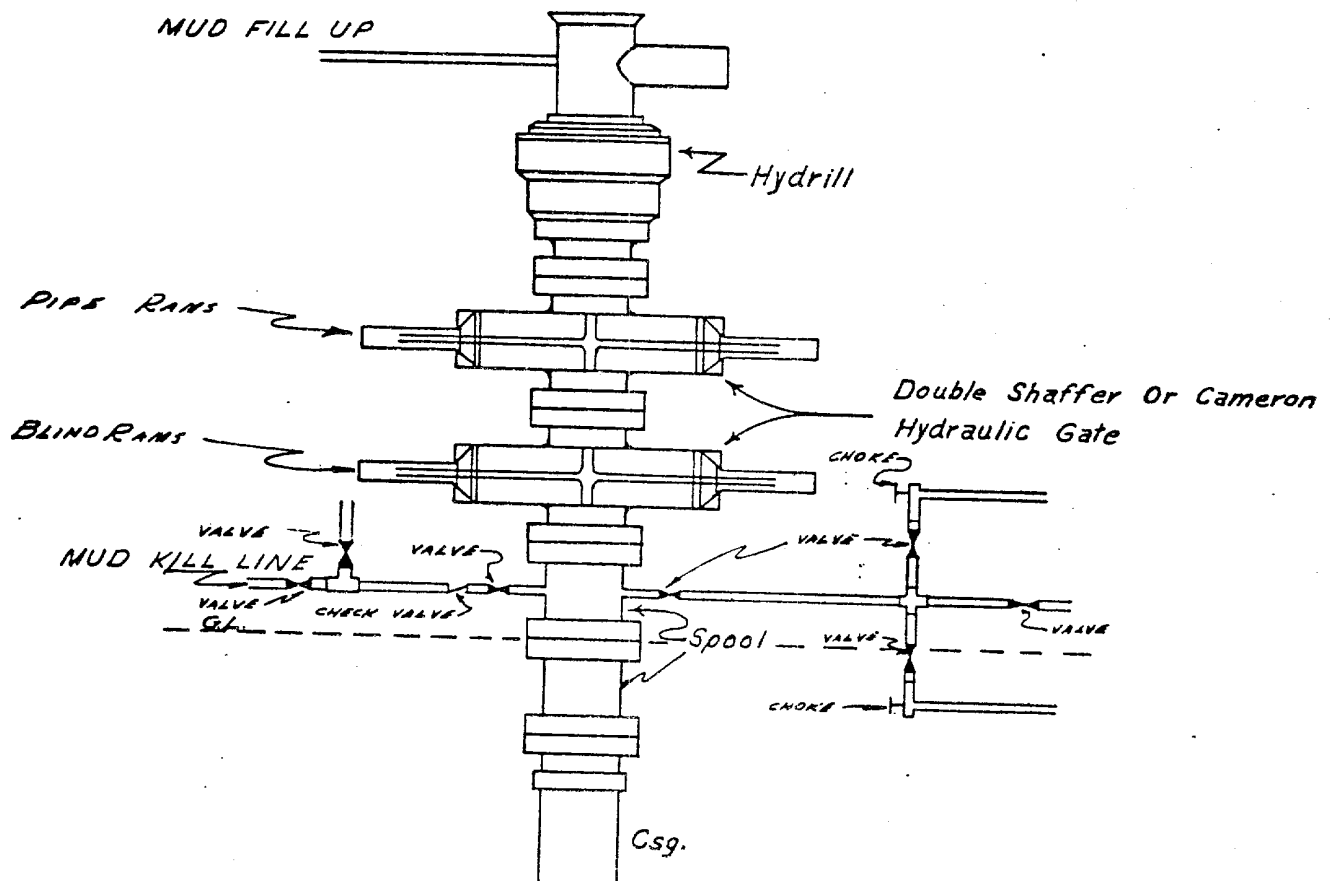
Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No.

675

CONTINENTAL OIL COMPANY
Blow-out Preventer Specifications

Russell 30 Federal No. 9



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.**

WELL NAME: Russell 30 Nc

COUNTY: Lea

LOCATION: 2310' FS & 990' FW
Sec. 30-26S-32E

STATE: New Mexico

3142' est. grd.

3153' est. DF.

DEPTH	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING		FRACTURE GRADIENT	FORMATION PRESSURE GRADIENT	MUD	
					SIZE	DEPTH			WEIGHT	TYPE
	Rustler 900+ Salado 1100+			12-1/4	8-5/8	1000			8.5 9.0	Fresh Water
							12.2 Min.			
	Lamar 4190 Ramsey 4230 TD 4300' (Includes 45' shoe jt.)		GR-BHC Sonic and Dual Induction Pull log up to 500' above TD.	7-7/8	5-1/2	4300	12.0 13.0	Less than 8.3	9.0 10.0	Salt Gel

Prepared by _____

Approved _____

SURFACE USE PLAN

Continental Oil Company, Russell 30 Federal No. 9
2310' FSL & 990' FWL of Sec. 30, T-26S, R-32E
Lease LC068281(b), Lea County, N.M.

This plan is to accompany "Application for Permit to Drill" the subject well which is located approximately 43 miles on a direct line south-west of Eunice, New Mexico. 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 - Exhibit "A" and "B", a portion of a New Mexico road map showing existing black top roads. Directions to the location (outlined in red on map) from Eunice, New Mexico are as follows: from the blinking light at Conoco Station in Eunice, go 2.5 miles south; turn west on Delaware Basin Road and go 33 miles to New Mexico Highway No. 128; turn west and travel 9.5 miles to Farm or Ranch Road No. 652; turn south and go 14 miles; turn west on existing caliche road for 1 mile; turn south 3/4 mile; turn east for 264; the new road stakes will be south from this point to 1320'.
2. Planned Roads - 12' x 1320' (staked), compacted with caliche, 6" thick, Exhibit "B".
3. Locations of Existing Wells - See Exhibit "C".
4. Tank Battery and Flowlines - The existing battery and lines are shown on Exhibit "C".
5. Water Supply - Supply water will be produced-water from North Mason battery and supplied through the new flowline from the proposed well as shown on Exhibit "C".
6. Source of Construction Materials - Existing caliche pit located SW/NW Section 19, T-26S, R-32E, and caliche to be hauled 1 mile south; east 264' to the new road location as shown on Exhibit "B".
7. 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. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to the survey for appropriate approval.
8. Ancillary Facilities - None.
9. Proposed Well Mat and Immediate Area - Refer to Exhibit "D" for direction orientation.
 - a. Size of Drilling Pad - 200' x 175' (staked)

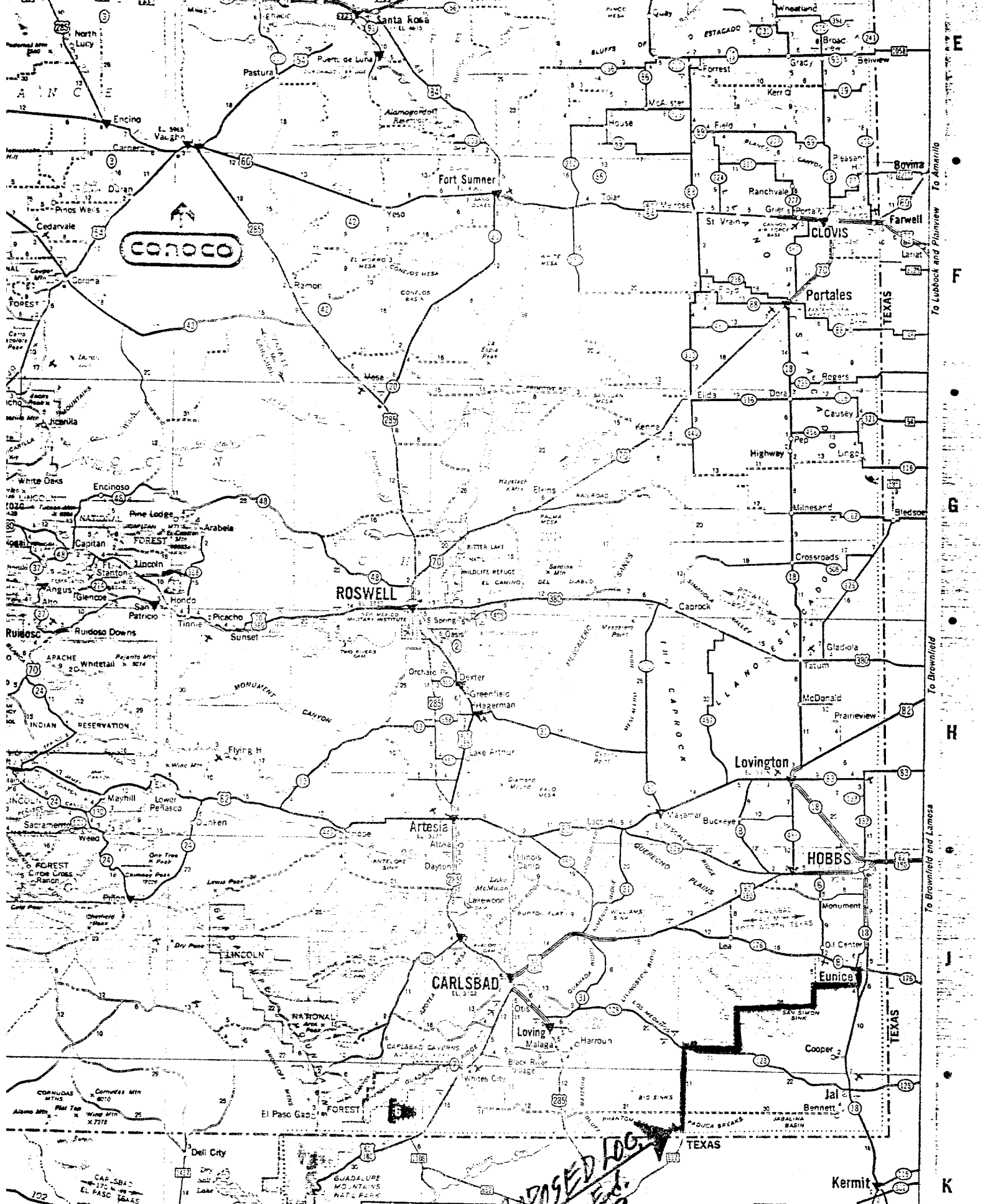
- b. Surfaced - Will be topped with 6" of caliche, bladed, watered and compacted. Caliche to be purchased from BLM by dirt contractor.
 - c. Reserve Pit - 100' x 100' (staked) lined with plastic and joining mat on north side.
 - d. Cut and Fill - Three feet of cut required running from east to west for approximately 50 feet.
 - e. Drill Site Layout - Exhibit "D" shows position of mat, reserve pits, burn pits, trash pits, and mud pits in relation to the well bore. Rig will be erected with the V-Door to the east.
10. 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.
11. Other Information -
- a. Terrain - Low rolling sand hills. See Exhibit "B", topographic map of area.
 - b. Soil - Sandy.
 - c. Vegetation - Mesquite; rye grass.
 - d. Surface Use - Grazing.
 - e. Ponds and Steams - None within one mile.
 - f. Water Wells - None within one mile.
 - g. Residences and Buildings - None within one mile.
 - h. Arroyos, Canyons, Etc. - There are no significant surface features, see attached 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 & Drilling
C. R. Paschal or D. A. Sowers
1001 North Turner
Hobbs, New Mexico 88240
Phone: 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.

9-15-76
Date

D. A. Sowers
D. A. Sowers
Production Superintendent



CONTINENTAL OIL CO. - RUSSELL 30 Federal No. 9

EXHIBIT "A"

Station	Product	Station	Product
1	San Juan	1	San Juan
2	San Juan	2	San Juan
3	San Juan	3	San Juan
4	San Juan	4	San Juan
5	San Juan	5	San Juan
6	San Juan	6	San Juan
7	San Juan	7	San Juan
8	San Juan	8	San Juan
9	San Juan	9	San Juan
10	San Juan	10	San Juan
11	San Juan	11	San Juan
12	San Juan	12	San Juan
13	San Juan	13	San Juan
14	San Juan	14	San Juan
15	San Juan	15	San Juan
16	San Juan	16	San Juan
17	San Juan	17	San Juan
18	San Juan	18	San Juan
19	San Juan	19	San Juan
20	San Juan	20	San Juan
21	San Juan	21	San Juan
22	San Juan	22	San Juan
23	San Juan	23	San Juan
24	San Juan	24	San Juan
25	San Juan	25	San Juan
26	San Juan	26	San Juan
27	San Juan	27	San Juan
28	San Juan	28	San Juan
29	San Juan	29	San Juan
30	San Juan	30	San Juan

LOCATIONS WHERE CONOCO PRODUCTS ARE SOLD

Locations on Interstate
Locations on Major Highways
Locations on Other Highways
Locations of CONOCO Travel Agencies

CONOCO

TELLER DISPOSAL

TOURAIDE ATTRACTIONS

HISTORICAL

SCENIC

GENERAL

Attraction points designated by the state

NEW MEXICO

SCALE OF MILES

0 5 10 20 30 40

ONE INCH EQUALS APPROXIMATELY 21.6 MILES

HIGHWAY MARKERS

INTERSTATE 40 UNITED STATES 65 STATE 41 TEXAS FARM OR RANCH 303

ROAD CLASSIFICATIONS

CONTROLLED ACCESS DIVIDED HIGHWAYS

OTHER DIVIDED HIGHWAYS

MILEAGES

MILEAGE BETWEEN TOWNS AND JUNCTIONS 3 1/4

MILEAGE BETWEEN DOTS 1 1/2

SPECIAL FEATURES

STATE PARKS

RECREATION AREAS

PORTS OF ENTRY

POINTS OF INTEREST

POPULATION SYMBOLS

State Capital 25,000 to 50,000

25,000 to 50,000

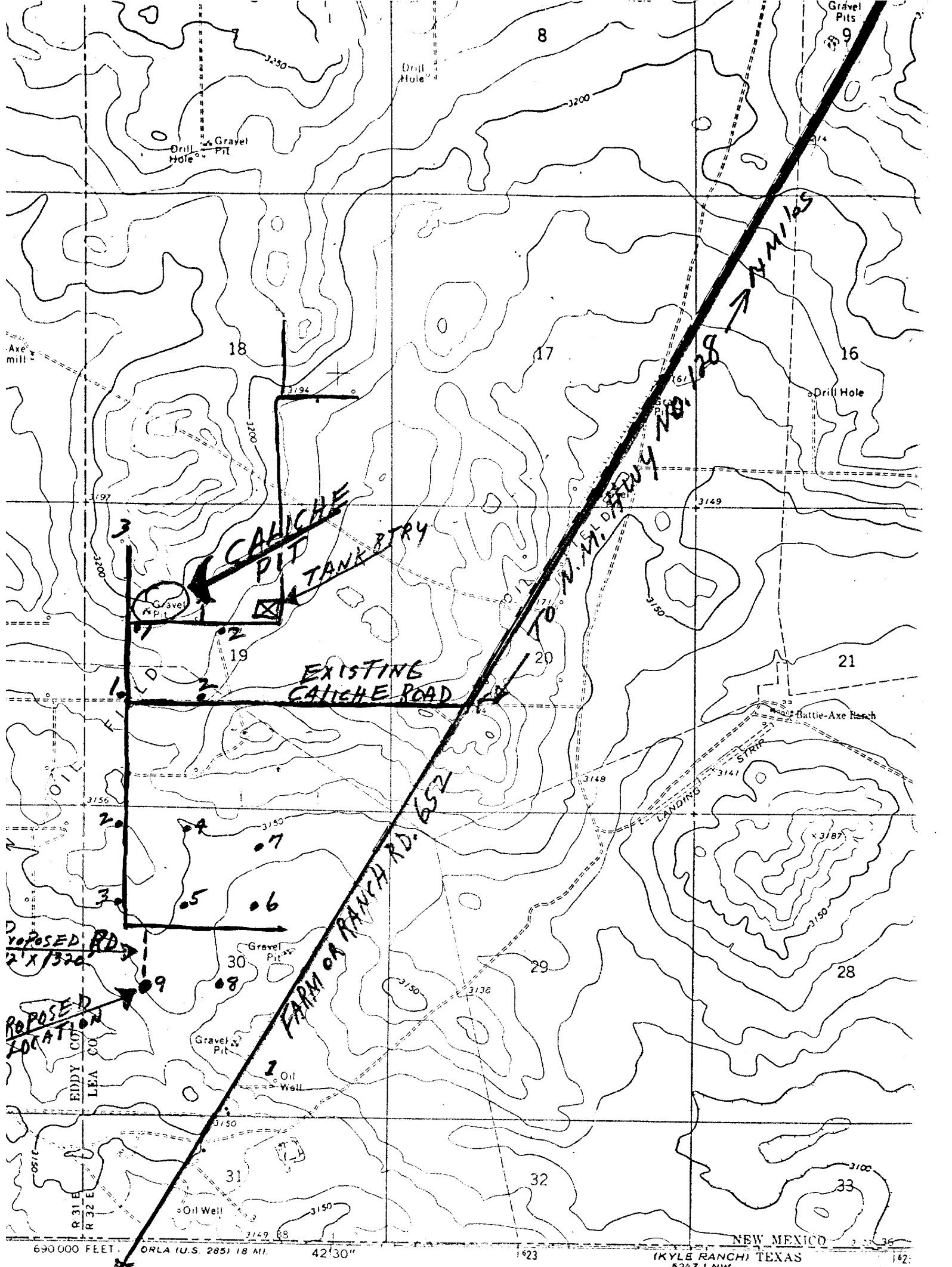
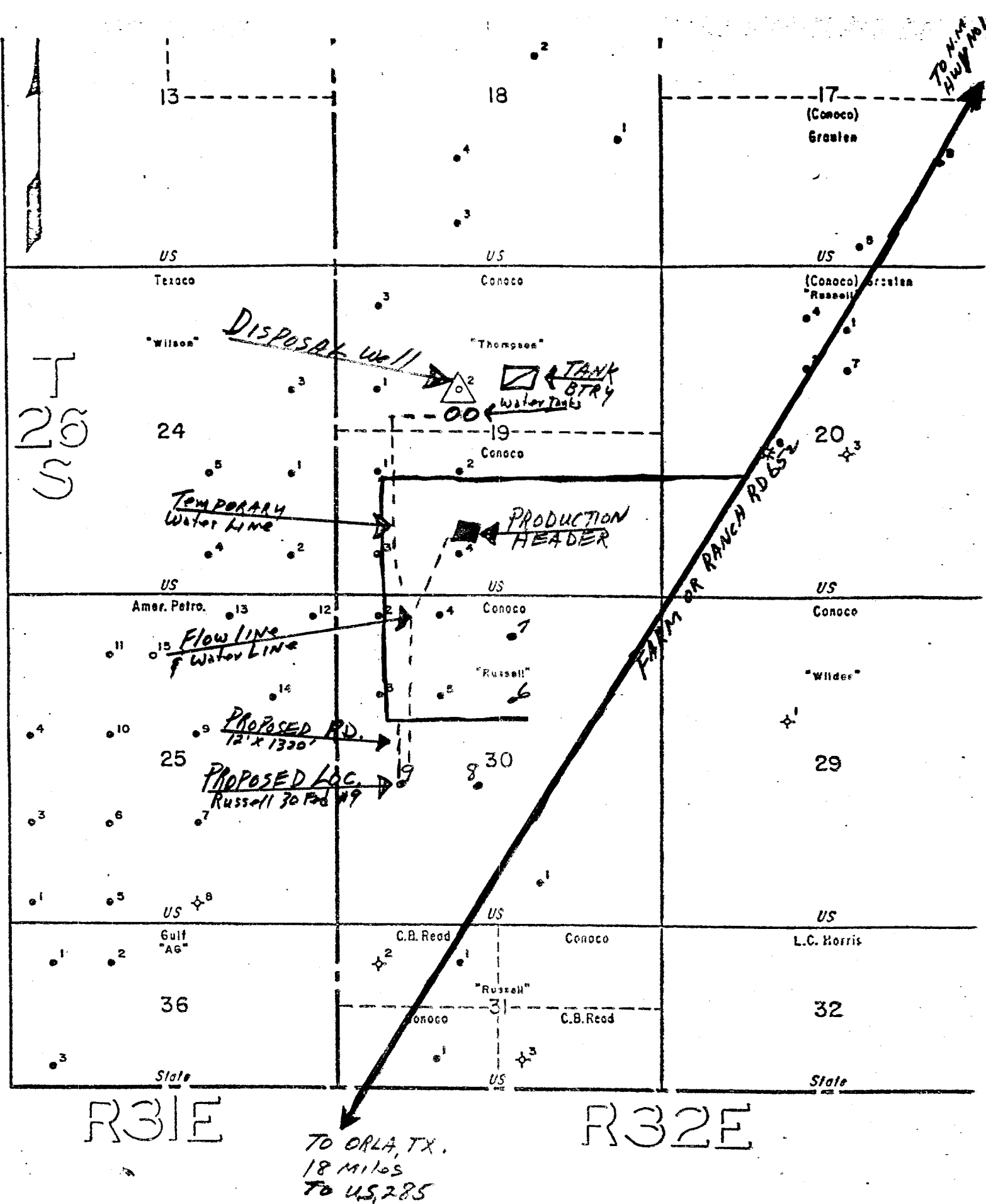


EXHIBIT "B"



- FARM OR RANCH ROAD 652
- Existing Coliche Road
- --- New Road
- ▣ Existing Tank Btry
- △ Disposal Well
- PRODUCTION Header
- Proposed Wtr f Flowline

RUSSELL 30 FEDERAL NO. 9
2310' FSL & 990' FWL
Sec. 30, T-26S, R-32E
Lee Co., N.M.

EXHIBIT "C"

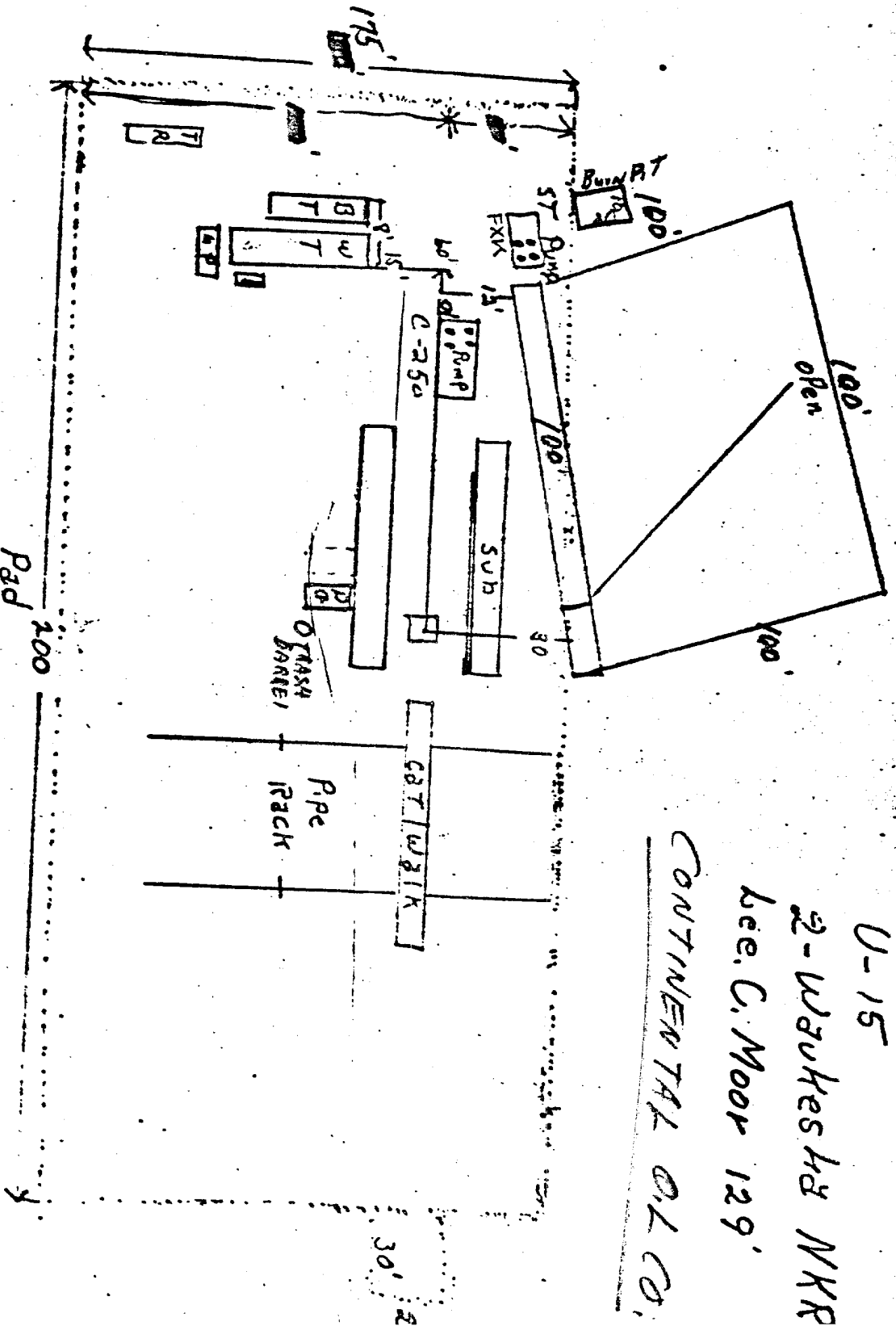
Hondo Rig

U-15

2-Watches 42 NKR

See C. Moor 129'

CONTINENTAL OIL CO.



RUSSELL 30 FEDERAL No. 9

EXHIBIT "D"

U. S. GEOLOGICAL SURVEY
P. O. Box 1157
Hobbs, New Mexico 88240

HOBBS DISTRICT

Continental Oil Co.
No. 9 Russell 30 Federal
NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30-26S-32E
Lea County, N. M.

Above Data Required on Well Sign

CONDITIONS OF APPROVAL

1. Drilling operations authorized are subject to the attached sheet for general requirements for drilling and producing operations.
2. Notify this office (telephone (505) 393-3612) when the well is spudded and in sufficient time for a representative to witness cementing operations.
3. Immediate notice is required of all blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life.
4. Secure prior approval before changing the approved drilling program or commencing plugging operations, plug-back work, casing repair work, or corrective cementing operations.
5. Blowout prevention equipment is to be installed, tested, and in working order before drilling below the surface casing and shall be maintained ready for use until drilling operations are completed.
6. A kill-line is to be properly installed and is not to be used as a fill-up line.
7. Blowout preventers are to have proper casing rams when running casing.
8. Drill string safety valve(s) to fit all pipe in the drill string to be maintained on the rig floor while drilling operations are in progress.
9. Blowout prevention drills are to be conducted as necessary to assure that equipment is operational and that each crew is properly trained to carry out emergency duties. All BOP tests and drills are to be recorded on the driller's log.
10. If, during operations, the operator or any person working in his behalf, discover any historic or prehistoric ruin, monument or site, or any object of antiquity subject to the Antiquities Act of June 8, 1906, (34 Stat. 225, 16 U.S.C. Secs. 431-433), and 43 CFR Part 3, then work will be suspended and the discovery promptly reported to the District Manager. The Bureau will then take such action as required under the Act and regulations thereunder. When directed by the District Manager, the operator will obtain, at his expense, a qualified archaeologist to examine and, if necessary, excavate or gather such ruins or objects.
11. All access roads constructed in conjunction with the drilling permit should be limited to 12 feet in width, along with turnouts. If well is a producer, all roads will be adequately drained to control runoff and soil erosion. Drainage facilities may include ditches, water bars, culverts and/or any other measure deemed necessary by the responsible BLM representative.

12. Materials removed during construction must be disposed of in such a manner that it does not detract from the aesthetics and does not accelerate erosion. When clearing the area of operations of vegetation other than grass, the vegetation removed will be placed in drainages, washes, gullies, etc., and "walked down" by crawler type tractor. If no drainages are in the immediate area, the vegetation will be "walked down" in place. After construction has been completed, the affected area will be left in as aesthetically pleasing condition as possible. All trash resultant from construction activities will be disposed of. Any large rocks left as a result of construction activities will not be piled or left in rolls but will be left so they do not detract from the scenic attributes of the area and will not hinder the movement of livestock or big game animals.
13. Any "available topsoil" encountered during the construction of the drill site area will be stockpiled and made available for re-surfacing of the reserve pit area (after pits are covered) after completion of the drilling operation.
14. "Caliche" for use in the construction of the drill pad and access road shall be obtained from existing authorized pits whenever possible, as determined by the responsible BLM representative. No new pits shall be opened without prior approval from the responsible BLM representative.
15. The "mud pits" shall be well constructed and under no circumstances will they be allowed to leak or be cut to drain. They shall not be located on natural drainages. Waste or discharge of any kind will not be allowed to enter any drainage. Any plastic material used to line pits and/or sumps shall be cut-off below ground level, as far down as possible, and disposed of before the pits are covered. All unattended pits, containing liquids, will be fenced and the liquid portion allowed to evaporate before the pits are broken.
16. All pits found to contain toxic liquids will be fenced and covered with a fine-mesh netting for the protection of wildlife as directed by the responsible BLM representative.
17. All waste associated with the drilling operation will be buried in place (in a separate trash pit) or removed and deposited in an approved sanitary landfill. All garbage (metal containers will be crushed) and debris left on site will be buried at least three feet deep. All trash and debris will be buried or removed from the site within one month after removal of the drill rig. The permittee will comply with all state laws and regulations pertaining to the disposal of human waste.

18. The well "site", if a producer, will be maintained and kept clean of all trash and litter or other foreign material which detracts from the surrounding environment. Maintenance shall also include measures necessary to stabilize soil conditions (other than reseeding) on the road and pad area, and maintenance of facilities associated with said well, to the satisfaction of the District Manager for the lifetime of the well.
19. In the event the oil or gas test results in a dry hole, the drill pad and access road will be ripped in accordance with "BLM Roswell Districts' Ripping Recommendations for Caliche or Compacted Drill Pads and Access Roads" (3109). (Reseeding of the affected areas may be required at the discretion of the District Manager).