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SUBMIT IN TRIPL
(Other instructions
reverse side)Form approved.
Budget Bureau No. 42-R1425.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. NM 046153-A	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---	
2. NAME OF OPERATOR Morgan Drilling Company		7. UNIT AGREEMENT NAME ---	
3. ADDRESS OF OPERATOR Drawer I, Artesia, New Mexico 88210		8. FARM OR LEASE NAME Miller Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980 From East Line & 660 From South Line At proposed prod. zone 4050' San Andres		9. WELL NO. #1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles South of Kenna, New Mexico		10. FIELD AND POOL, OR WILDCAT Circled Tom Tom San Andres	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 33 Twn7S Rge31E	
16. NO. OF ACRES IN LEASE 160		12. COUNTY OR PARISH Chaves	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320		20. ROTARY OR CABLE TOOLS R/T	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4282.9' GR		22. APPROX. DATE WORK WILL START* On Approval	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
11"	8 5/8"	24#	1400
7 7/8"	4 1/2"	9.5#	4050
		QUANTITY OF CEMENT	
		275sx Class H Cement, & 100sx Class C Cement circ.	
		200sx 50-50 Poz	

Logs will be run, DST if necessary to evaluate zones for running casing.

Preventor will be installed on 8 5/8" casing and tested prior to drill out. All production zones are below 8 5/8" casing.

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ARTESIA, NEW MEXICO

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 William N Morgan TITLE President DATE 5-31-77
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE JUL 5 - 1977
APPROVED BY Joe D. Lara TITLE ACTING DISTRICT ENGINEER DATE JUL 5 - 1977
CONDITIONS OF APPROVAL, IF ANY:

Subject to attached stipulations!

*See Instructions On Reverse Side

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES OCT 5 - 1977

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U. S. GOVERNMENT PRINTING OFFICE: 1974 - 781 - 025 /VIII-239

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OIL CONSERVATION COMM.
HOBBS, N. M.

BUREAU OF LAND MANAGEMENT
ROSWELL, NEW MEXICO

January 29, 1976

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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Lease # NM-046153-A
Operator Morgan Drilling Co.
Well Name 1-Miller Fed.
Location Sec 33, T-7-S, R-31-E

"STANDARD STIPULATIONS FOR ALL DRILLING
IN RELATION TO OIL AND GAS ACTIVITIES
IN THE ROSWELL DISTRICT"

(The following list of 14 stipulations are some of the more commonly used stipulations for oil and gas drilling operations in southeastern New Mexico. The blocks checkmarked in red designate the stipulations applicable to the particular drilling permit listed above. Special or additional stipulations (if any) are written in under #15.)

- ☒ 1. 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.
- ☐ 2. All access roads constructed in conjunction with the drilling permit should be limited to _____ 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.
- ☐ 3. Each existing fence to be crossed by the permittee will be braced and tied off before cutting so as to prevent slacking of the wire. The opening will be protected as necessary during construction to prevent the escape of livestock and upon completion of construction, the fence will be repaired to BLM specifications. A cattleguard with an adjacent 12 foot gate will be installed in any fence where a road is to be regularly traveled.

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☐ 4. When a road or construction in connection with the drilling operation breaks or destroys a natural barrier used for livestock controls, gap thus opened shall be fenced to prevent drift of livestock. Said fences shall be constructed according to BLM specifications.

☒ 5. 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.

☒ 6. 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.

☒ 7. "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.

☒ 8. 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.

☒ 9. 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.

1/2" or less

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- ☒ 10. 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.
- ☐ 11. If the well is a producer, during cleanup: all cut and fill banks will be made to be no steeper than _____ slope wherever possible.
- ☒ 12. 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.
- ☒ 13. 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).
- ☒ 14. All structures above ground not subject to applicable conservation and safety requirements should be painted a non-glare, non-reflective, non-chalking color that simulates the natural colors of the site.
- ☐ 15. Special Stipulations: *Fed. Std. 595a (3038)*

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NEW FEDERAL OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
Supersedes Form
No. 1, 1965

All distances must be from the public land corner of the section.

Morgan Drilling Co.			Miller Fed.			1		
O	33	7 South	31 East	Chaves				
1980	feet from the	East	660	South				
4282.9	San Andres		Tom Tom San Andres			40		

- Outline the acreage dedicated to the subject well by located points on the plat below.
- If more than one lease is dedicated to the well, outline each and identify (by name of both as a working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, state the name of the owner(s) as indicated by communitization, unitization, force-pooling, etc.

☐ Yes ☐ No If answer is "yes," type of communitization.

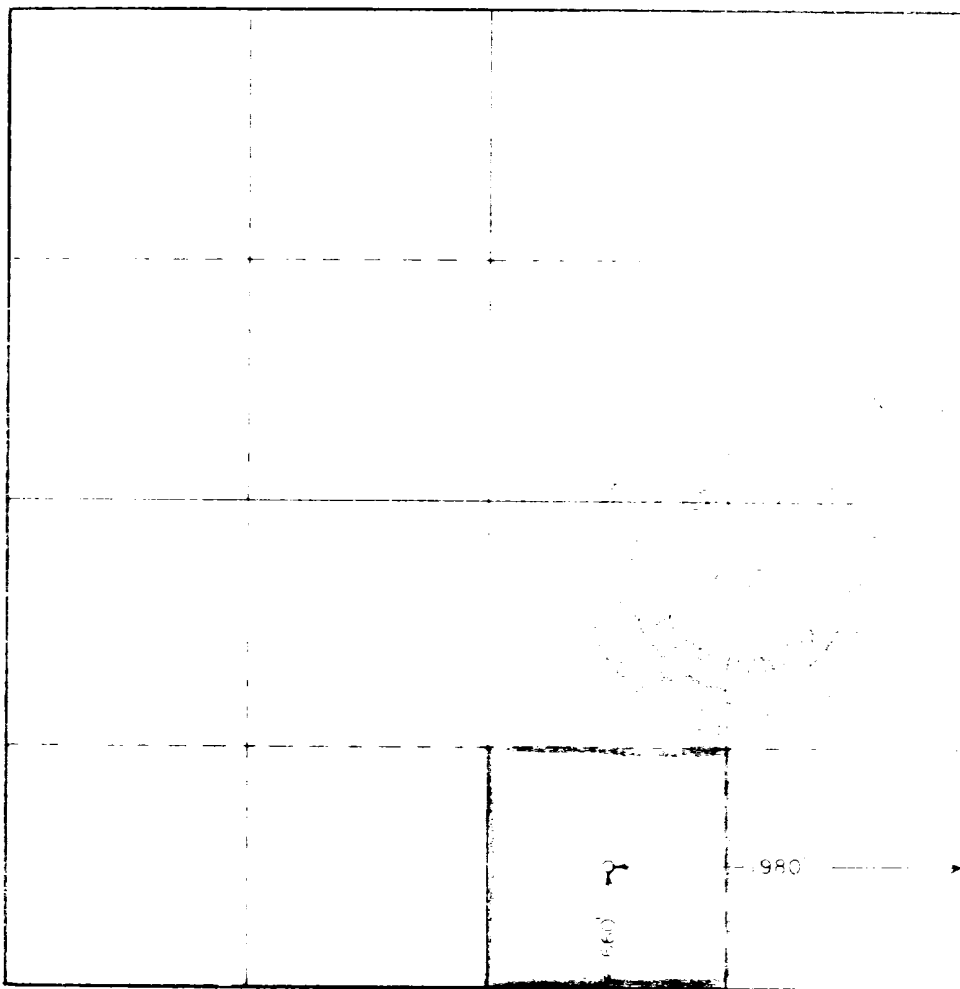
If answer is "no," list the owners and tract descriptions who have a tract interest as indicated (list reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been communitized, unitized, or otherwise forced-pooled, or otherwise until a non-standard unit, eliminating such interests, has been approved by the Commission.

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ARTESIA, NEW MEXICO



CERTIFICATION

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

William N. Morgan

William N. Morgan

President

Morgan Drlg. Co.

5-31-77

I hereby certify that the well is not owned by this company and was located from the corner of the section surveys made by the U.S. Geological Survey and that the same is true and correct to the best of my knowledge and belief.

May 28, 1977

John A. West
676

310 660 90 1320 650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900 10230 10560 10890 11220 11550 11880 12210 12540 12870 13200 13530 13860 14190 14520 14850 15180 15510 15840 16170 16500 16830 17160 17490 17820 18150 18480 18810 19140 19470 19800 20130 20460 20790 21120 21450 21780 22110 22440 22770 23100 23430 23760 24090 24420 24750 25080 25410 25740 26070 26400 26730 27060 27390 27720 28050 28380 28710 29040 29370 29700 30030 30360 30690 31020 31350 31680 32010 32340 32670 33000 33330 33660 33990 34320 34650 34980 35310 35640 35970 36300 36630 36960 37290 37620 37950 38280 38610 38940 39270 39600 39930 40260 40590 40920 41250 41580 41910 42240 42570 42900 43230 43560 43890 44220 44550 44880 45210 45540 45870 46200 46530 46860 47190 47520 47850 48180 48510 48840 49170 49500 49830 50160 50490 50820 51150 51480 51810 52140 52470 52800 53130 53460 53790 54120 54450 54780 55110 55440 55770 56100 56430 56760 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SURFACE USE
AND OPERATIONS PLAN

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Well Name: _____
Location: 1980 FEL 660 FSL Sec 33 Twn7S Rge31E Unit 0 Chaves

1. Existing Roads: (shown on attached map)

2. Planned Access Roads: approximately 1300' of caliche road 12'
wide, to be constructed from location in Unit P, shown on
map. Road will be built with 6" of compacted caliche.

3. Location of Existing Wells. (shown on attached map)

4. Location of Tank Batteries, Production Facilities, and Production,
Gathering, and Service Lines: no battery on this property at
present time. If production is established, battery will be
built on South West corner of well pad.

5. Location and Type of Water Supply (rivers, creeks, lakes, ponds, wells):
Water wells at Kenna, N.M., or Jim Southard ranch, on road
to Kenna, N.M. Water will be trucked.

6. Source of Construction Materials: _____
Caliche from Federal pit in Sec 4 Twn8S Rge31E, Unit D.

7. Methods of Handling Waste Disposal: _____
All waste will be buried in pits at minimum depth
of three (3) feet below ground level.

8. Ancillary Facilities: (none required)

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9. Well Site Layout: (see attached plat)

10. Plans for Restoration of the Surface: All pits will be back-filled after drilling and completion operations are terminated. If the well is a dry-hole, the well location pad and road will be ripped up so natural vegetation can re-establish itself in this area. Work will commence within 60 days after completion of well work.

11. Other Information: The area of this well is sand dunes with scruboak, beargrass and very sparse vegetation.

12. Lessee's or Operator's Representative.

William N. Morgan
Morgan Drilling Company
P.O. Drawer I
Artesia, New Mexico 88210

Business Phone: 748-2194
Home Phone: 748-2325

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 Morgan Drilling Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

5-31-77
Date

William N Morgan
Company Representative

President
Title

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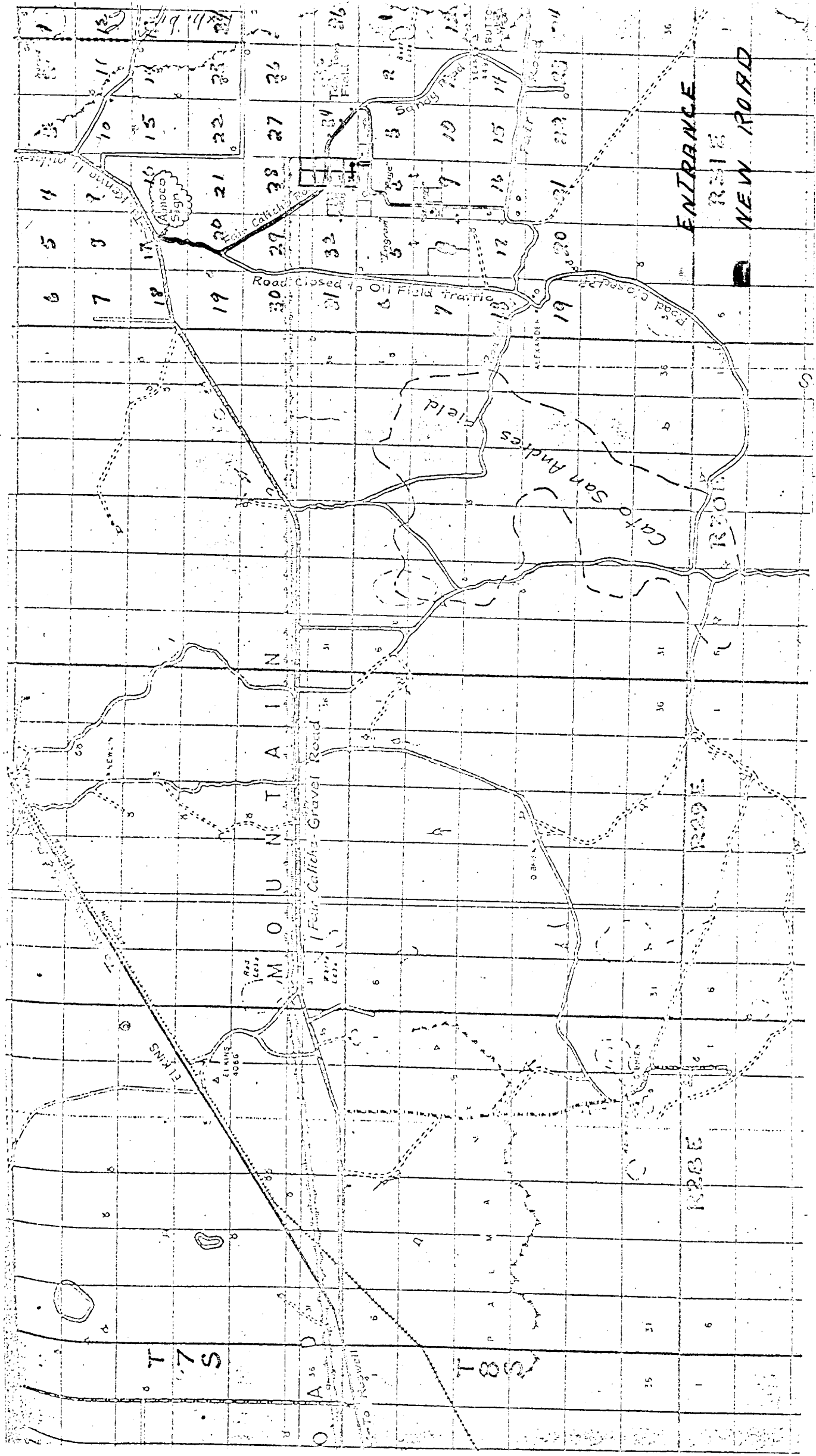
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OWL CONSERVATION COMM.
HOBBS, N. M.

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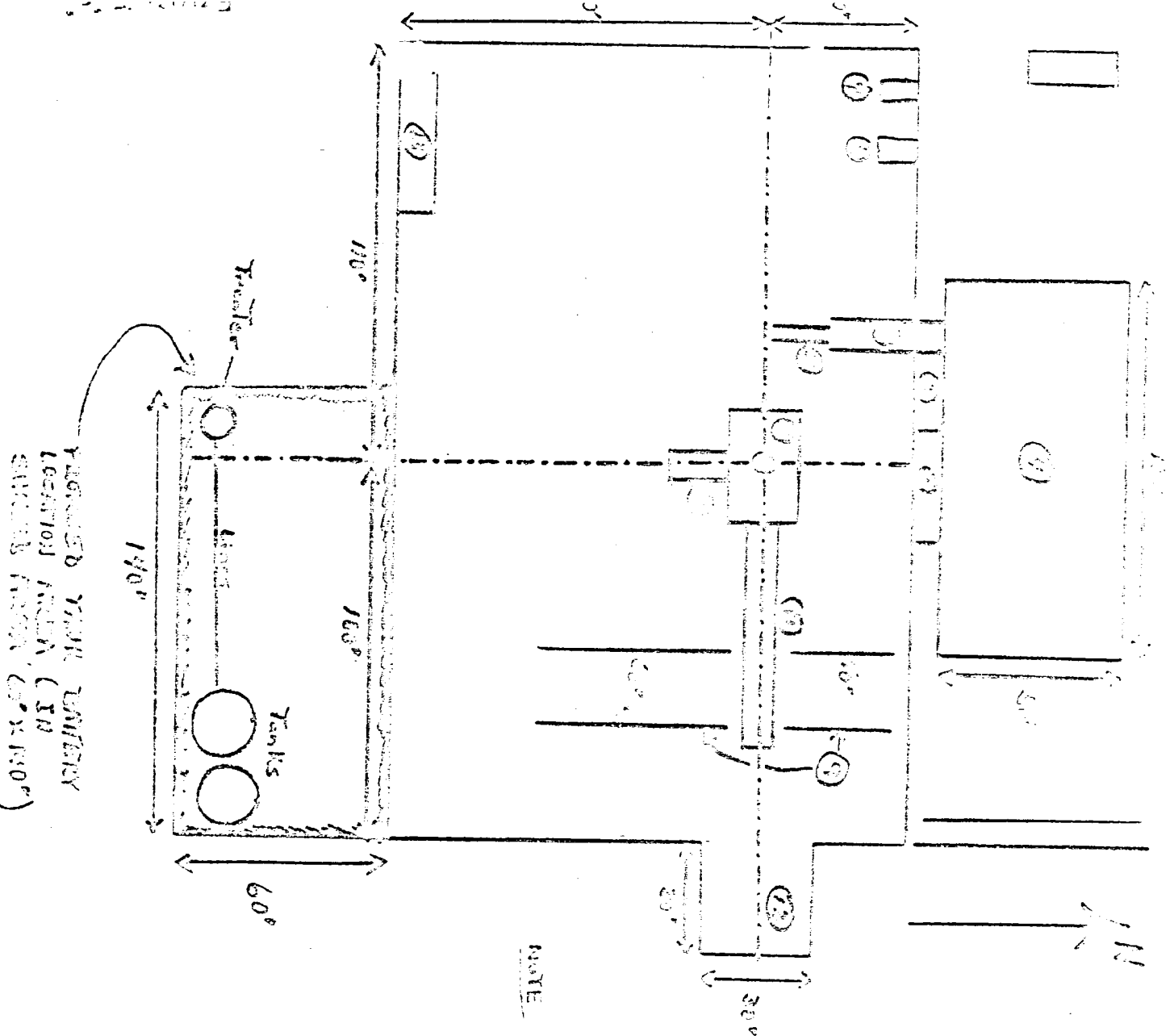
OIL CONSERVATION
HOBBS, N. M.



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HOBBS, N. M.



- ① Shell Pit 20' x 20'
- ② Mud Pit 20' x 16'
- ③ Section Pit 30' x 6'
- ④ Reserve Pit 100' x 50'
- ⑤ Pump
- ⑥ Water Tank
- ⑦ Fuel Tank
- ⑧ Rig
- ⑨ Pipe Tanks
- ⑩ Dog House
- ⑪ Cal. Wall 60'
- ⑫ Granger
- ⑬ Trailer
- ⑭ Burn Pit

NOTE: Lines from wall to battery facilities will lay directly south from wallhead.

LOCATION, MUD PIT AND
PROPOSED TANK BATTERY
AREA SPECIFICATIONS

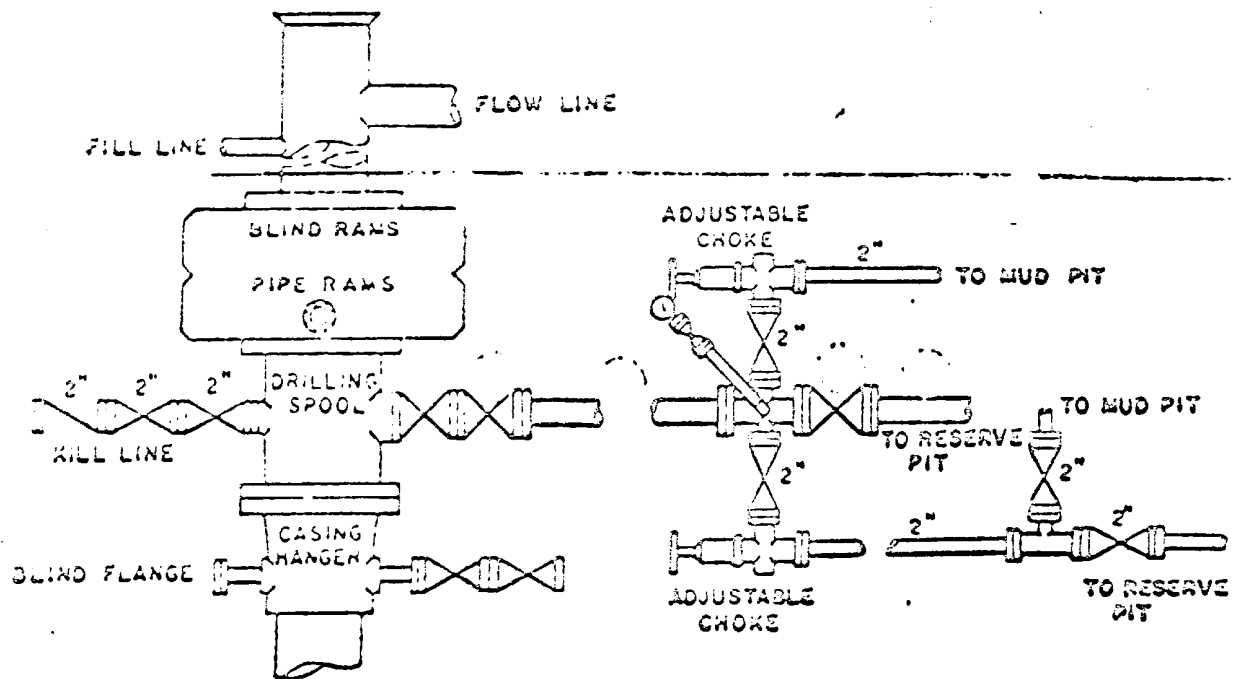
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JUL 2 1977

OIL CONSLANT
HOBBS, N. M.

BLOWOUT PREVENTER & CHOKE MANIFOLD

API 3M-8410-RdS



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JUL 8 1977

O. C. C.
ARTESIA, OFFICE

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