

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

~~SANBENS PET CORP~~
~~Cibola Energy Corporation~~

3. ADDRESS OF OPERATOR

11000-D SPAIN 87111
P.O. Box 1668, Albuquerque, New Mexico 87103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1980 FSL & 1980 FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

25 miles north of Roswell, New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

320

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

4450'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5#	850'	Circulate
12 1/4"	8 5/8"	24#	1580	Circulate
7 7/8"	4 1/2"	9.5#	4450'	

Mud Program - See Exhibit

BOP Program - See Exhibit

Gas not dedicated

RECEIVED
SEP 25 1981OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, 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

Anita Y. Vigil

TITLE

Drilling Secretary

DATE

9-16-81

(This space for Federal or State office use)

APPROVED

PERMIT NO.

(Orig. Sgd.) GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, 1981

TITLE

DATE

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

**N MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

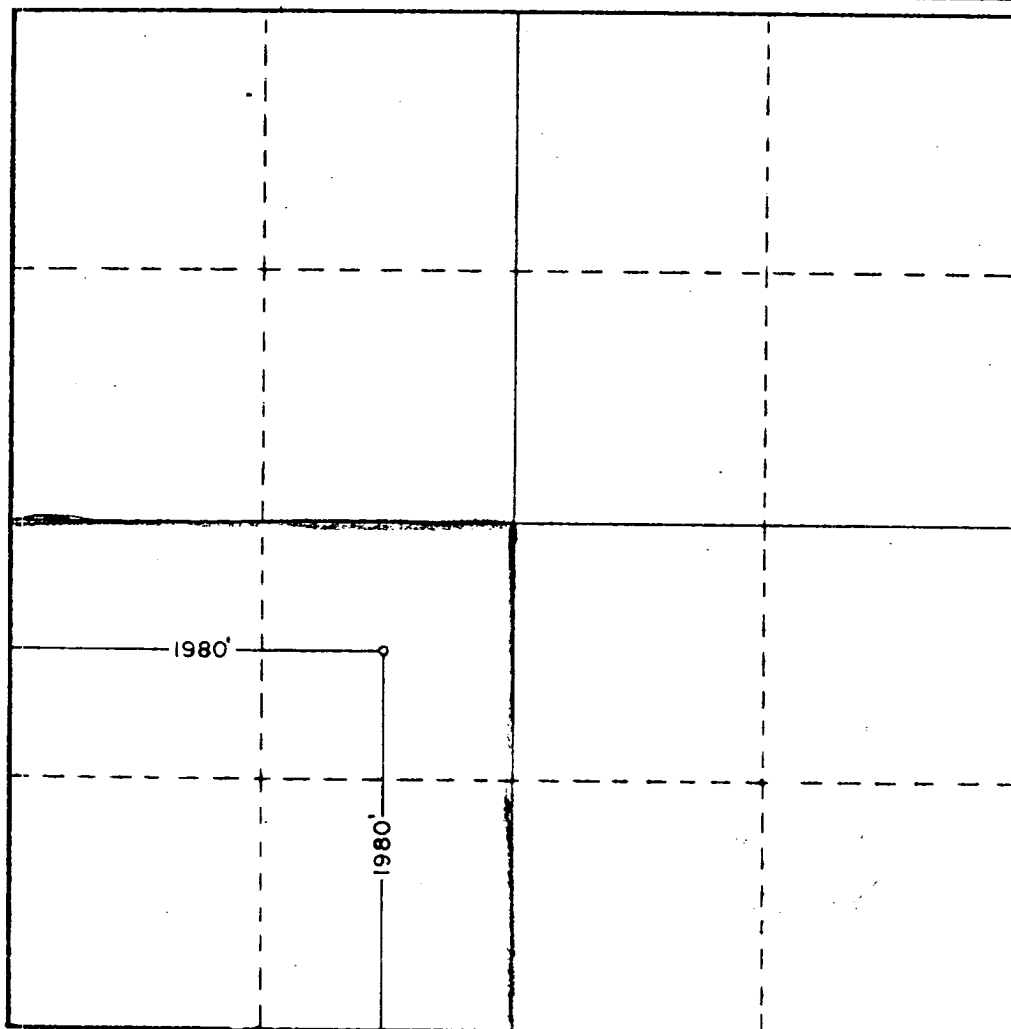
All distances must be from the outer boundaries of the Section

Operator CIBOLA ENERGY CORP.			Lease HIGGINS DRAW		Well No. 1
Unit Letter K	Section 29	Township 5 SOUTH	Range 24 EAST	County CHAVES	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1980 feet from the SOUTH line and 1980 feet from the WEST line </div>					
Ground Level Elev. 4146.8	Producing Formation Abo	Pool Wildcat	Dedicated Acreage: 160 Acres		

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? All leases except 12.5% have been acquired and the owners of those leases have indicated that they will either farm-in or join
☒ 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.

Anita Vigil

Name

Anita Vigil

Position

Drilling Secretary

Company

Cibola Energy Corporation

Date

September 18, 1981

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 **9-15-81**

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6665

APPLICATION FOR DRILLING
CIBOLA ENERGY CORPORATION
HUGGINS DRAW #2 SEC. 29-5S-24E
CHAVES COUNTY, NEW MEXICO

In conjunction with form 9-331, Application for Permit to Drill subject well, Cibola Energy Corporation submits the following ten items of pertinent information in accordance with U.S.G.S. requirements:

1. The geologic surface is quarternary alluvial fill.
2. Estimated tops of geologic markers are as follows:

San Andres	498
Slaughter	630
Glorietta	1478
Yeso	1534
Abo	3643
Wolfcamp	4393

3. The estimated depths at which water, oil or gas formations are expected to be encountered:

Water	200
Possible Water	1480
Gas	3643

4. Proposed casing program - See 9-331C and Exhibit "A".
5. Pressure control equipment - Shaffer SPH 9" BOP 3000 psi anullar hydraulic and Shaffer LWP 9" Double BOP 3000 psi with 3 1/2" ram and blind ram.
6. Mud program - See Exhibit "B"
7. Auxilliary Equipment - See Exhibit "C" (Rig Inventory).
8. Testing, logging and coring program - no coring, no DST, will run DLL-MLL, Acoustilog, CNL Density, Gama Ray Cal.
9. No abnormal temperature or pressure is expected.
10. Anticipated starting date October 1, 1981.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

CIBOLA ENERGY CORPORATION
WELL NO. 2 HUGGINS DRAW
1980 FSL & 1980 FWL SEC. 29-5S-24E
CHAVES CO., NM LEASE NM 29610

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS

- A. Exhibit "D" is a section of a map showing the location of proposed well as staked. From Roswell go north on US 285 approximately 24 miles and turn east. Go approximately 5 1/2 miles and turn north east, go approximately 2 miles and turn east 1/2 mile to location.
- B. There are no stock tanks within 1 mile of proposed location, there is only one road running to the northeast, 1/2 mile east of the location.
- C. Minor repairs will be made on the existing roads as well as caliche in some spots.

2. PLANNED ACCESS ROAD

- A. Length and Width: Planned road construction is shown in orange on Exhibit "D".
- B. Surface Material: Caliche will be used.
- C. Maximum Grade: 1 percent
- D. Turnouts: None required
- E. Drainage: None required
- F. Culverts: None required
- G. Cuts and Fills: None
- H. Gates and Cattle Guards: No new gates will be required to gain access to the location.

3. LOCATION OF EXISTING WELLS

There are no existing operating wells within one mile of proposed site.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. This lease is undeveloped and there are no existing facilities on this lease.

B. If the well is a producer, the tank battery and flow line will be located on the well pad and no additional surface damage will be necessary.

5. LOCATION AND TYPE WATER SUPPLY

Water will be hauled to location over road shown.

6. LOCATION OF CONSTRUCTION MATERIALS

Caliche will be obtained at a developed pit near US 285.

7. METHODS OF HANDLING WATER DISPOSAL

A. Drill cuttings will be disposed of in the drilling pits.

B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.

C. Water produced while drilling will be disposed of in drilling pits.

D. Current laws and regulations pertaining to the disposal of human waste will be complied with.

E. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.

F. All trash and debris will be buried or hauled off the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES

None required.

9. WELLSITE LAYOUT

A. Exhibit "E" shows relative locations and dimensions of the well pad.

B. Only minor leveling of the well site will be required.

C. The pad and pit area has been flagged.

10. PLANS FOR RESTORATION

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk.
- B. Any unguarded pits containing fluids will be fenced until they are filled.

11. OTHER INFORMATION

- A. Topography: The land surface is level except for numerous sand dunes.
- B. Soil: Soil in this case is a sandy, calcerous loam.
- C. Flora and Fauna: Vegetative cover has been previously removed. Wildlife in the general area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.
- D. Ponds and Streams: There are no fresh water streams, rivers, lakes or ponds in the area.
- E. Residences and Other Structures: There are no occupied dwellings or windmills within a mile of the proposed well site.
- F. Archaeological, Historical and Other Cultural Sites: A report will be sent by ACA.
- G. Land Use: Grazing and hunting in season.
- H. Surface Ownership: Ruth H. Corn

12. OPERATOR'S REPRESENTATIVE

Representative responsible for assuring compliance with the approved Surface Use Plan is:

Phelps White
1005 Marquette NW
Albuquerque, NM 87102
Office Phone: (505) 242-2050
Mobil Phone: (505) 623-0989 #4135

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 Cibola Energy Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

SEP 30 1991

Date



Phelps White

EXHIBIT "A"

DRILLING, CASING AND CEMENTING PROGRAM

1. Drill a 17 1/2" hole to 850'. Ran 13 3/8", 54#/ft. casing. Cement with 300 sacks Class "C" cement with 2% CaCl. If cement does not circulate, we will run 1" tubing to top of cement and pump cement to circulate to surface. WOC 18 hours.
2. Drill a 12 1/4" hole to TD if possible, however lost circulation is expected at approximately 1500 feet. If lost circulation occurs we will run 8 5/8", 24# casing and cement with as much cement as is needed to circulate to surface. WOC 18 hours.
3. If 8 5/8" pipe is run to 1500 feet we will drill out with a 7 7/8" bit to TD and run 4 1/2" casing as required by geologists and according to U.S.G.S. rules and regulations. If 8 5/8" casing is not run we plan to run 7" 23# casing to TD or plug the hole as required by Geologist.

EXHIBIT "B"

MUD PROGRAM

- 0 - 850' Drilled with fresh water to let native mud build up to 34
Viscosity. Add paper and fiber to control lost circulation.
- 580 - 3440' Salt gel and paper.
- 3440 - 4400' Salt gel and diesel (7%) control water loss with starch to gel
W.L. 10-15.

DRAWWORKS:

M.A.C. Oilfield - 300 single drum drawworks, Foster 14" makeup & breakout catheads, Oteco Wireline turnback, Air-o-matic 20" high & low drum clutches, Air-p-matic 14" rotary clutch, air drillers console

ENGINE: DETROIT DIESEL ENGINE 12V-71T TURBO CHARGED 553 HP

Allison TC 955 Torque converter, s/n 1210069354, Perfex OV-12-RC radiator w/automatic shutters, Ecoblife air cleaner, muffler w/flex fitting, Toshiba 5 HP electric starting motor w/electrical switch box, diesel day tank between skids, skidded, mounted on drawworks skid

MAST:

J. Oilfield Welding 108' cantilever mast, 350,000 lb., 14' base, pin type, crown block w/4 - 36" sheaves grooved for 1" line, crown safety platform, 4" standpipe w/Oteco 72 SCRD 4", 3,000 PSI & 2" 1,000 psi gate valves, Totco type 4 mud gauge, racking board w/11 1/2" fingers, ladder, derrick climber, geronimo, tong counterweights, mast stand, boom, king pin

SUBSTRUCTURE:

2'H x 17'8"W x 36'7"L substructure, w/4' x 13' V-door ramp w/stairs, 1,000 gallon reserve water tank, mud line w/Hydril K-20, 3,000 PSI pulsation dampener, utility line, winterized w/tarps, drilling floor engine room windbreak frames & tarps, engine room roof frames & tarps

PUMP:

2) OPI 350 D triplex mud pumps, s/n 52579, 350HP, 6" x 8" forged steel fluid end w/quick change heads, & valves, 6" suction w/30 gallon suction surge stabilizer, Oteco 2" shear relief valve, Oteco 72 SCRD 4" & 2" valves, Cameron type R 2" gate valve, Gauges International model 7 mud gauge, rod oiler pump, Mission 1" x 1 1/2" centrifugal piston splash water pump w/Toshiba 5 HP electric motor w/reservoir & electrical switch box, skidded (mounted on pump house floor) skidded, mounted on 7'6" x 18' master skid

- 16 CONE DESANDER

ENGINE:

EXHIBIT C - 2

GM 8V-91T, 435 HP turbocharged diesel engine s/n
Allison HT750DRD 9E31 transmission, Perfex OC-12-RC radiator w/auto-
matic shutters, Ecolite air cleaner, muffler w/flex fitting, Brooks
Crompton Parkinson 5 HP electric starting motor w/electrical switch
box, Sentinel safety shut-down controller, air actuated throttle,
intake air cut off & transmission shift controls, skidded, pin mounted
on pump master skid (transmission couples to OPI, 4.95: 1 single re-
duction gear box, mounted on master skid)

Pump engine mounted in 12' x 30' flat top steel house, broken side
panel construction, hinged roof over engine, 2-end ventilating panels,
2- single hinged side doors, 3 - vaporproof fluorescent lights,
Ruffneck forced air steam heater, storage shelf, overhead utility lines
w/4-6' x 22' steel reinforced timber mats

ROTARY TABLE:

Hacker A-15-T table, 15", 44" centers, w/split master bushing

TRAVELING EQUIPMENT:

Block-hook combination Baash Ross DBM-330 block-hook combination,
s/n 76581216, 3 - 30" sheaves, grooved for 1" line, 100 ton capacity

SWIVEL: Oilwell PC 150 swivel, 150 ton capacity, 6 5/8" regular
L. H. pin

ELEVATOR BAILS: 2 - 2 3/4" x 84" elevator bails

BLOWOUT PREVENTER:

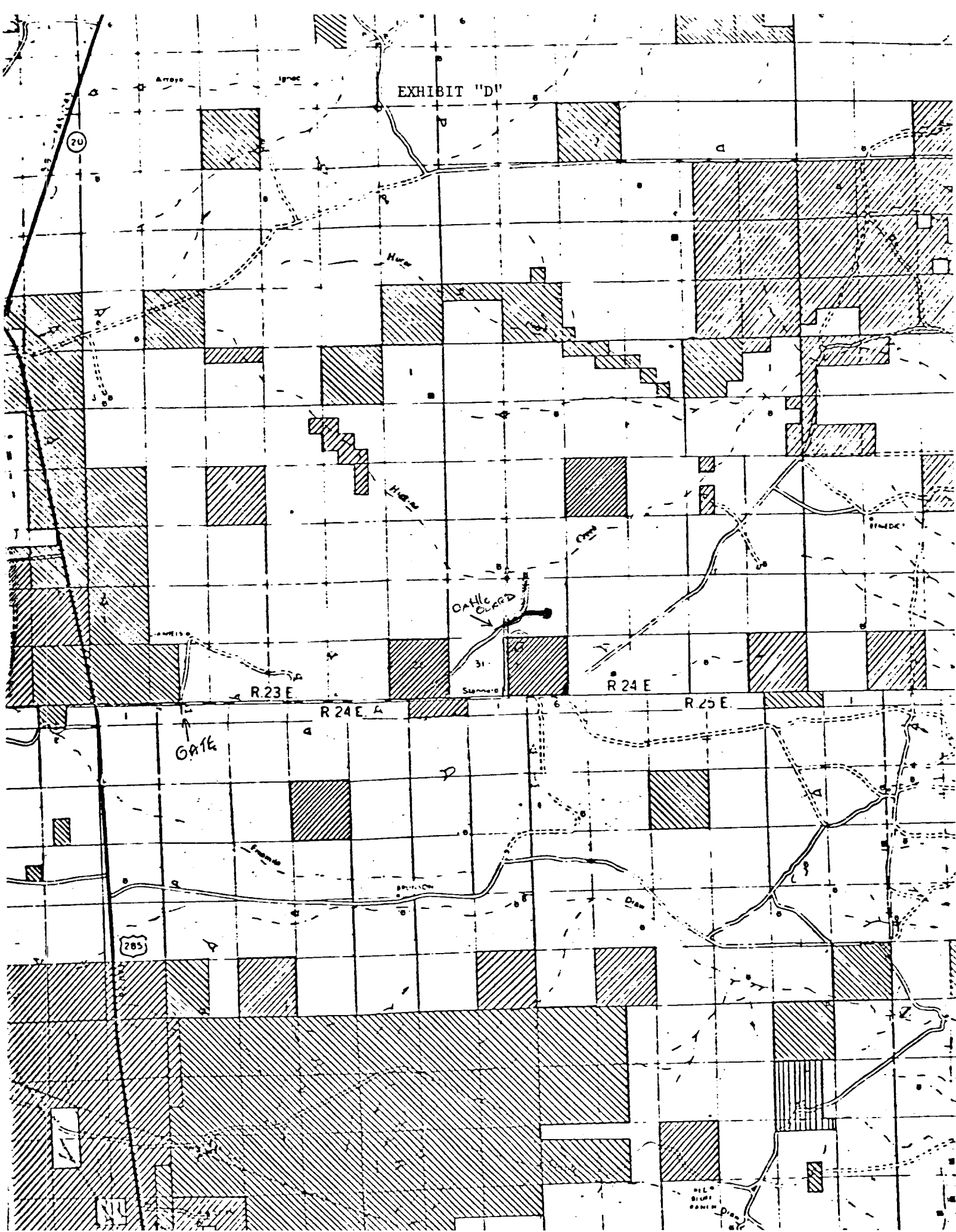
Shaffer SPH 9" blowout preventer, 3,000 PSI, annular, hydraulic
studded (bolted cover)

Shaffer LWP 9" double blowout preventer, 3,000 psi with 3 1/2" ram
and blind ram

CLOSING UNIT:

Barksdale Valves 5-station closing unit, hydraulic, w/100 gallon
reservoir, 4 - 11 gallon accumulator bottles, 2 - nitrogen bottles,
Hall & Pigatt pump w/Lincoln 10 HP electric motor, skidded

Hydril 5-station remote control unit, s/n 1329-3 (mounted in dog
house wall frame w/access to drilling floor)



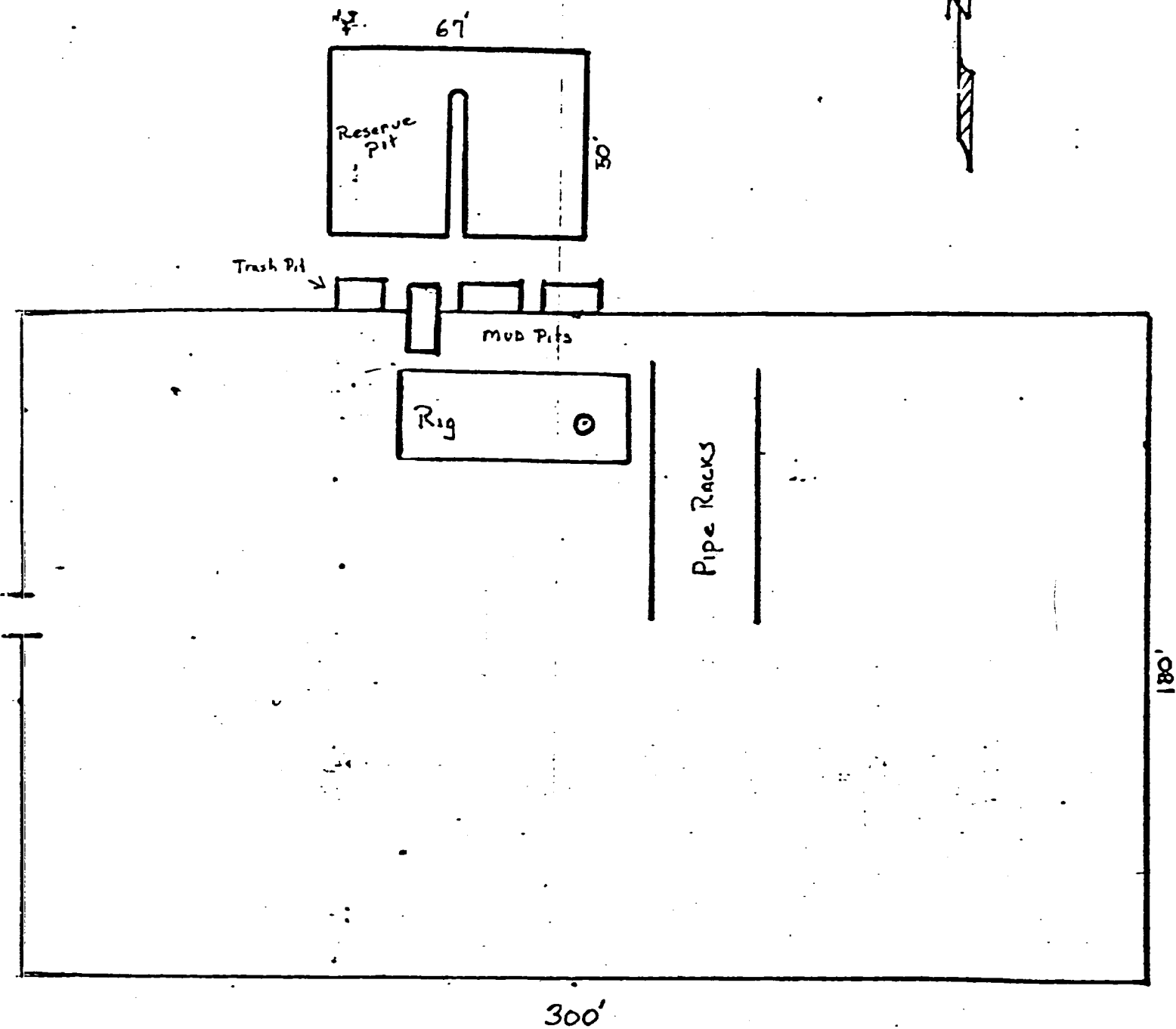


EXHIBIT "E"

HUGGINS DRAW #2