(May 1963)

NMOCC COPY

Budget Bureau No. 42-R1425.

30-015-22673

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Perry R. Bass

3. ADDRESS OF OPERATOR: P. O. Box 2760, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 330' FSL + 2310' FEL ~~& 330' FSL~~ Sec 35, T-21S, R-28E, Eddy County, New Mexico
At proposed prod. zone: same as above

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O. C. C.
ARTESIA, OFFICE

5. LEASE DESIGNATION AND SERIAL NO.: LC 067144

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Big Eddy Unit

8. FARM OR LEASE NAME: Big Eddy Unit

9. WELL NO.: 69

10. FIELD AND POOL, OR WILDCAT: Indian Flats ~~Field~~

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 35, T-21S, R-28E

12. COUNTY OR PARISH: Eddy Co.

13. STATE: N.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 10 miles east of Carlsbad, New Mexico

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:

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

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

19. PROPOSED DEPTH: 3900

20. ROTARY OR CABLE TOOLS: rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3169.9

22. APPROX. DATE WORK WILL START*: upon approval

23. 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	400	300 sx
7-7/8"	5-1/2"	14	(TD)3900'	315 sx

Drilling procedure, BOPE diagram, anticipated formation tops and surface use plans attached.

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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 Gene Young TITLE Engineer Assistant DATE 7-31-78

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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United States Department of the Interior

GEOLOGICAL SURVEY
P. O. Drawer U
Artesia, New Mexico 88210

August 25, 1978

Perry R. Bass Big Eddy Unit Well No. 64 330 FSL 2310 FEL Sec. 35, T21S, R28E Eddy County Lease No. LC-067144
Above Data Required on Well Sign

Perry R. Bass
P. O. Box 2760
Midland, Texas 79702

Gentlemen:

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 3,900 feet to test the Delaware formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASE, dated July 1, 1978.

2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and his approval including the GENERAL REQUIREMENTS.

3. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.

4. All new above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate sandstone brown (Federal Standard Color #595A, color 20318 or 30318).

Sincerely yours,

(Orig. Sgd.) ALBERT R. STALL

Albert R. Stall
Acting District Engineer

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	Lease	Well No.
Perry R. Bass	Big Eddy Unit	64

Unit Letter	Section	Township	Range	County
O	35	21 South	28 East	Eddy

Actual Footage Location of Well:
2310 feet from the East line and 330 feet from the South line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3092.9	Delaware	Indian Flats	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

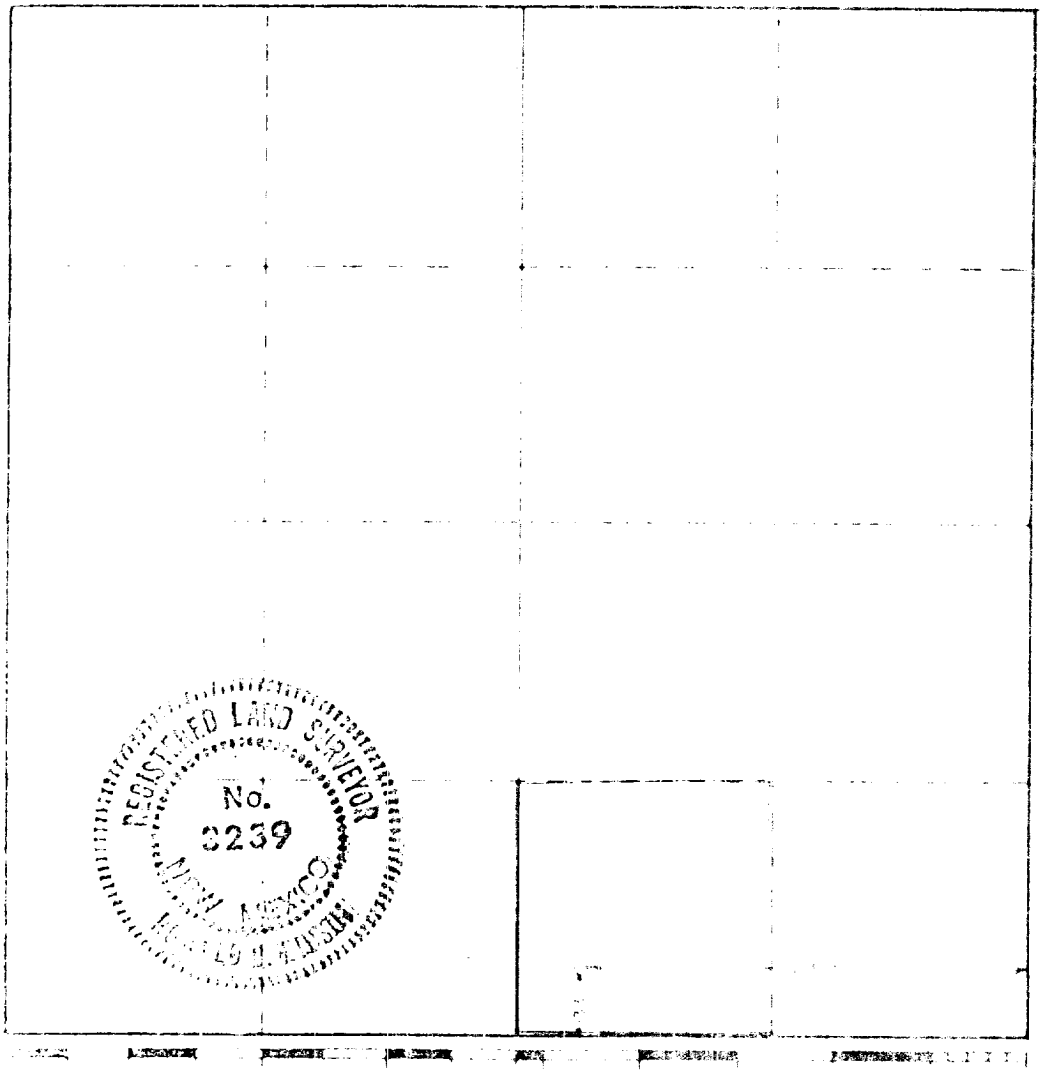
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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?

☑ Yes ☐ No If answer is "yes," type of consolidation unit

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.

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ARTESIA, NEW MEXICO

Name: Laure W. Rose

Position: Drilling Engineer

Company: Bass Enterprises Production Co.

Date: 31 July 78

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: Jul. 27, 1978

Registered Professional Engineer and/or Land Surveyor

Ronald J. Eidson

Certificate No. John W. West 676
Ronald J. Eidson 3239

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BASS ENTERPRISES PRODUCTION CO.
DIVISION EXPLORATION AND PRODUCTION OFFICES
P. O. BOX 2760
MIDLAND, TEXAS 79702

800 VAUGHN BUILDING
(915) 684-5723

August 2, 1978

RE: Big Eddy Unit #64
Eddy County, New Mexico
File: 400-WF

USGS
P.O. Drawer "U"
Artesia, New Mexico 88210

ATTN: Mr. Jim Knauff

Gentlemen:

This letter is a request for exemption from surface facility paint specifications, as set forth in the April 12 NMOGA memorandum, directed to Public Lands Committee.

This well, Big Eddy Unit #64, will use an existing tank battery and salt water disposal facility which are painted a pastel blue-gray. The pump jack will be black.

This lease is far from any dwelling and is not visible from any highway.

Very truly yours,

J. E. Pullig
Division Production Manager

JEP:GAY/gp

DRILLING PROCEDURE (Indian Flats Development Well)
Big Eddy Units # 64
Eddy Co., New Mexico

Surface Casing: 8 5/8" x 24 #/ft. K-55 ST&C Casing will be set in a 12 1/4" hole at 400'. Anticipate loss circulation from 100'-TD. After trying a pill of paper, hulls and gel, the hole may have to be dry drilled to TD. The casing will be run with a guide shoe, insert float and 3 central centralizers. Cement baskets may be run if circulation is not gained while drilling. The cement basket/baskets may be run 30' ± above top loss circulation zone. Cement to surface with 200% excess using 300 sx Class "C" + 4% gel + 2% $CaCl_2$ + 1/4 #/sk Flocele, 14.9 ppg, 1.69 ft. 3/sx. If cement doesn't circulate to surface, WOC 6 hours and pump 100 sx Class "C" w/2% $CaCl_2$ down annulus using 1" pipe. Pea gravel may also be required.

Nipple Up: A 8" x 600 2,000 WP screw on casing head will be installed. NU manual double ram BOP's as per BEPCO I. Test casing and BOP's to 1000 psi before drilling plug.

Production hole: A 7 7/8" hole will be drilled to TD (3800') using 10 ppg brine water with lime added for pH control. Paper may also be added to control seepage. Bottom hole assembly will consist of bit, 3 pt. bottom hole reamer, 30' DC, and a 3 pt. reamer. Hole deviation through the salt section will require reduced weights and frequent surveys every 200'.

Evaluation: 10' drilling samples are to be caught from surface casing depth - TD. Wireline logs to be run at TD are: DLL-RXO-GR, BHC-Sonic-GR, HDT. Side wall cores will be shot in zones of interest.

Production Casing: 5 1/2" 14 #/ft. K-55 ST&C Casing will be set at TD (3800'). The casing will be run with a float shoe, float collar and six centralizers. The bottom 500' will be ruff-coated. Cement back to 2,000', using approx. 315 sx 50-50 Pozmix Class "C" + 2% gel + 15 #/sx salt. TOC 2000'. A 2000 WP w/2" 2000 WP ball valve tubing head will be installed.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Big Eddy Unit #64

2310' FEL & 330' FSL

Sec 35, T-21S, R-28E

Eddy County, New Mexico

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 rehabilitate the surface after completion of operations so that an appraisal can be made on environmental effects.

1. Existing roads including location of exit from main highway Exhibit "A" is a portion of a map showing existing road. Existing road is obtained by going approx 2-1/2 miles NE of Carlsbad and turning right at the Sheriff's Posse Roping Arena. The existing road is approx 6-9/10 miles down this road.

2. Planned access road Exhibit "B" is a drawing showing planned access road to BEU #64. This road will be 12' wide and approx 300' long. The road will be constructed of watered and compacted caliche with no turnouts, cattleguards, gates, or culverts.

3. Location of existing wells Exhibit "A" shows wells within a one-mile radius.

4. Location of tank battery and flow lines If a commercial well is obtained, the flowline will be laid alongside the proposed and existing roads to the existing tank battery. Refer to exhibit "B".

5. Location and type of water supply Fresh water will be hauled from the city of Carlsbad. Brine water will be hauled from Champion Brine Water Station 3-1/2 miles east and 2-1/2 miles south of Carlsbad.

6. Source of construction material Exhibit "B" shows the approx. location of the caliche source.

7. Methods of handling waste 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 during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.

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

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

   F. Trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations. (Note: All trash left on well site to be removed or buried within 30 days must be contained to prevent scattering.)

8. Ancillary facilities none required

9. Well site layout Exhibit "C" shows the dimensions of the well pad and reserve pit, as well as the relative location of major rig components, trash pit, etc. Only minor levelling of the well site will be required. No significant cuts or fills will be necessary. The reserve pit will be lined with plastic. The pit and pad area have been staked and flagged.

10. Plans for restoration of surface:

A. Producing well - all pits will be cut, filled, and leveled as soon as practical to original conditions with rehabilitation to commence following removal of drilling and completion equipment.

B. Dry hole - same as above with dry hole marker to be installed and surface reseeded if required. At the same time of final abandonment, USGS and BLM restoration stipulations will be complied with.

11. Other information:

A. Terrain Flat, with low lying sand hills.

B. Soil sandy

C. Vegetation sparse, primarily mesquite with very little grass

D. Surface use grazing

E. Surface water none within 1 mile of location.

F. Water wells There is a windmill approx 1/2 mile northwest of subject location.

G. Residences and buildings none within 1 mile of location

H. Surface ownership The well site and access roads are on federal land.

I. Well signs posted at each drilling site.

J. Open pits - all pits containing liquid or mud will be fenced.

K. Archaeological resources none observed

12. Operator's representative
(Field personnel responsible for compliance with development plan for surface use)

DRILLING
Mike Cure
Box 2760
Midland, Texas 79702
915-684-5723

PRODUCTION
Al Gallas
Box 1043
Kermit, Texas 79745
915-563-0656
(or) Alan Roberts
Box 2760
Midland, Texas 79702
915-684-5723

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 Bass Enterprises Production Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

July 31, 1978
(Date)

Gene Young Gene Young
(Name)

Engineer Assistant
(Title)

CEB:gp

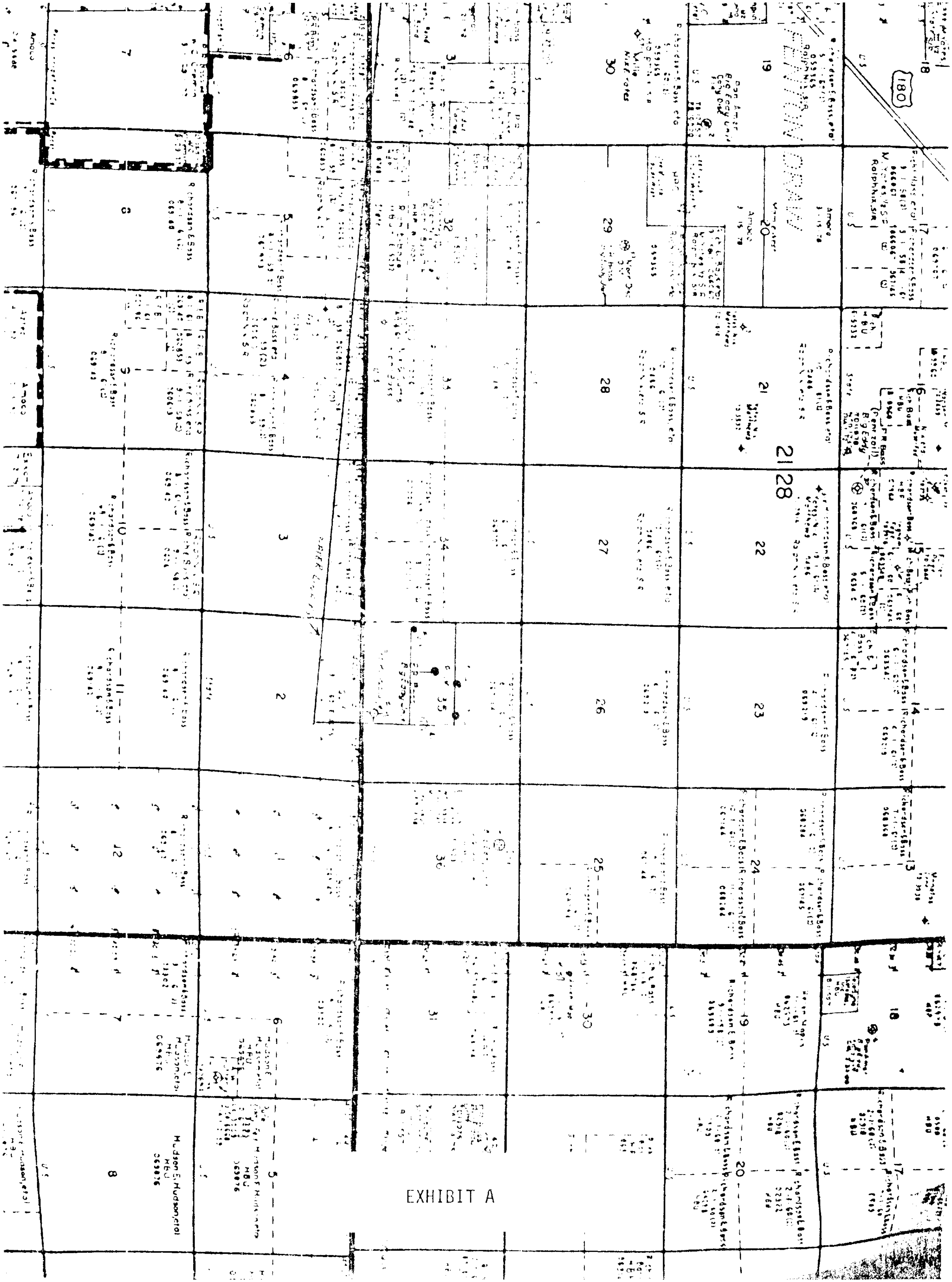
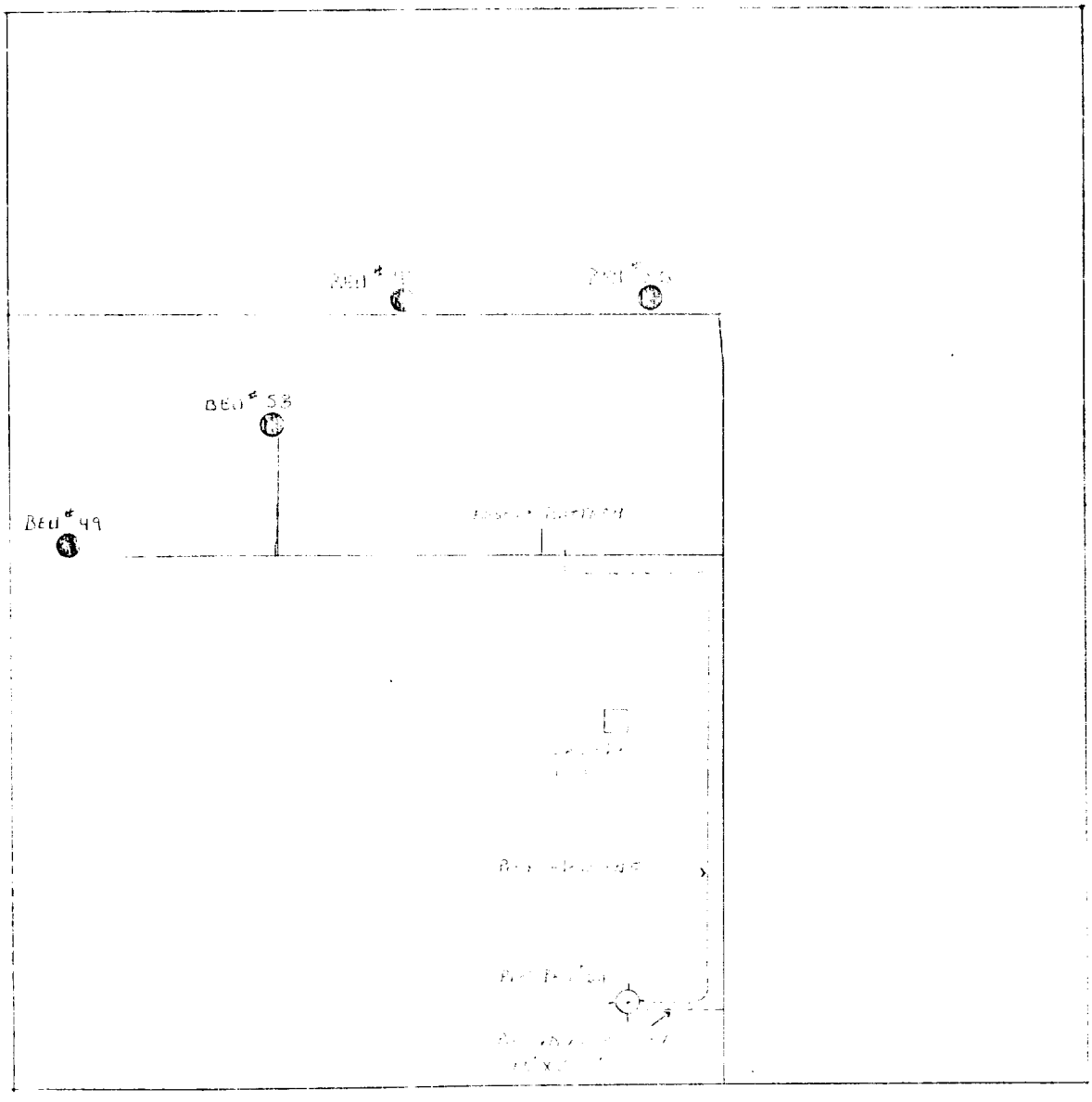


EXHIBIT A



Sec. 35 T. 1 S. R. 1 E.

EXHIBIT B

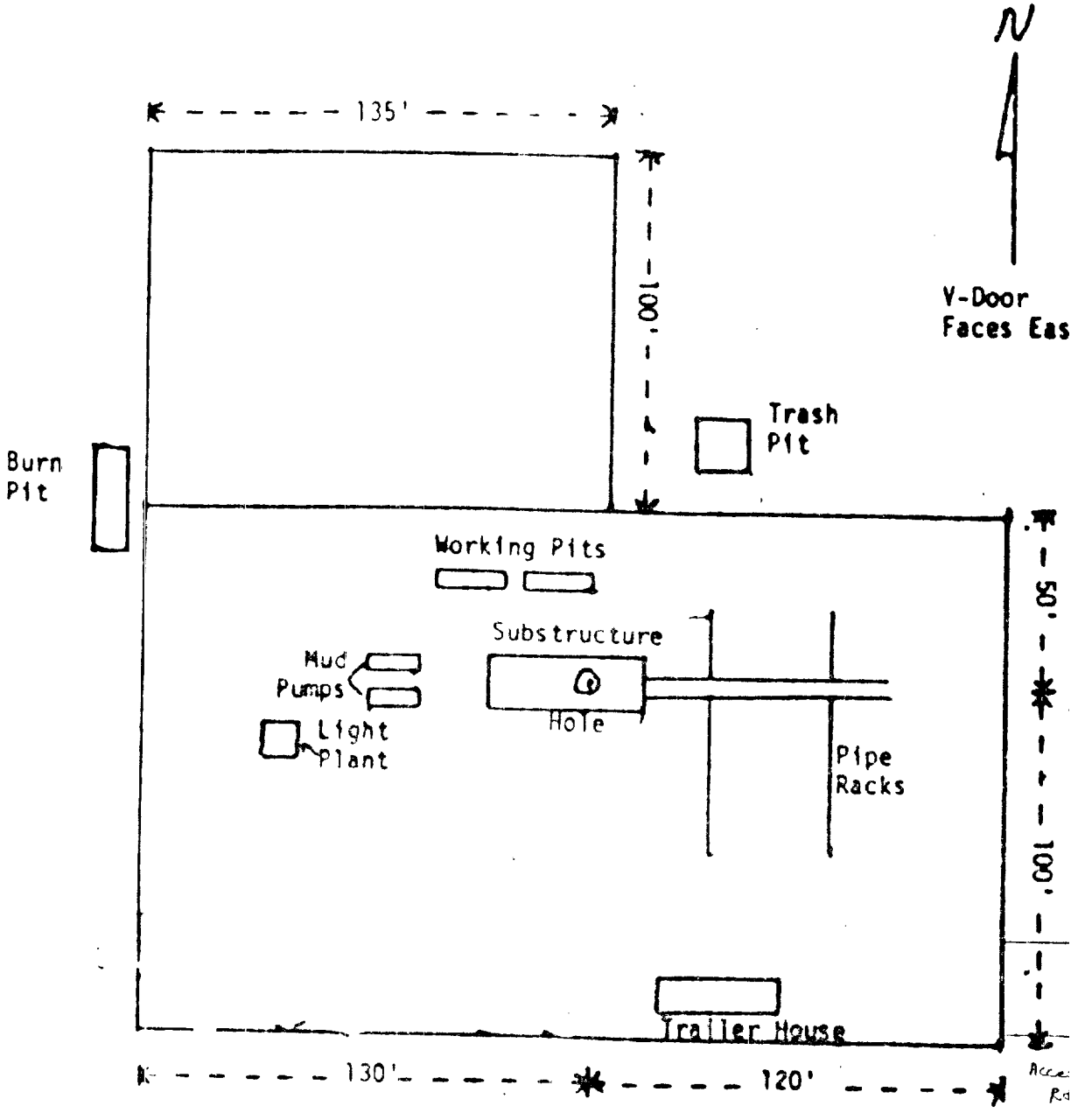
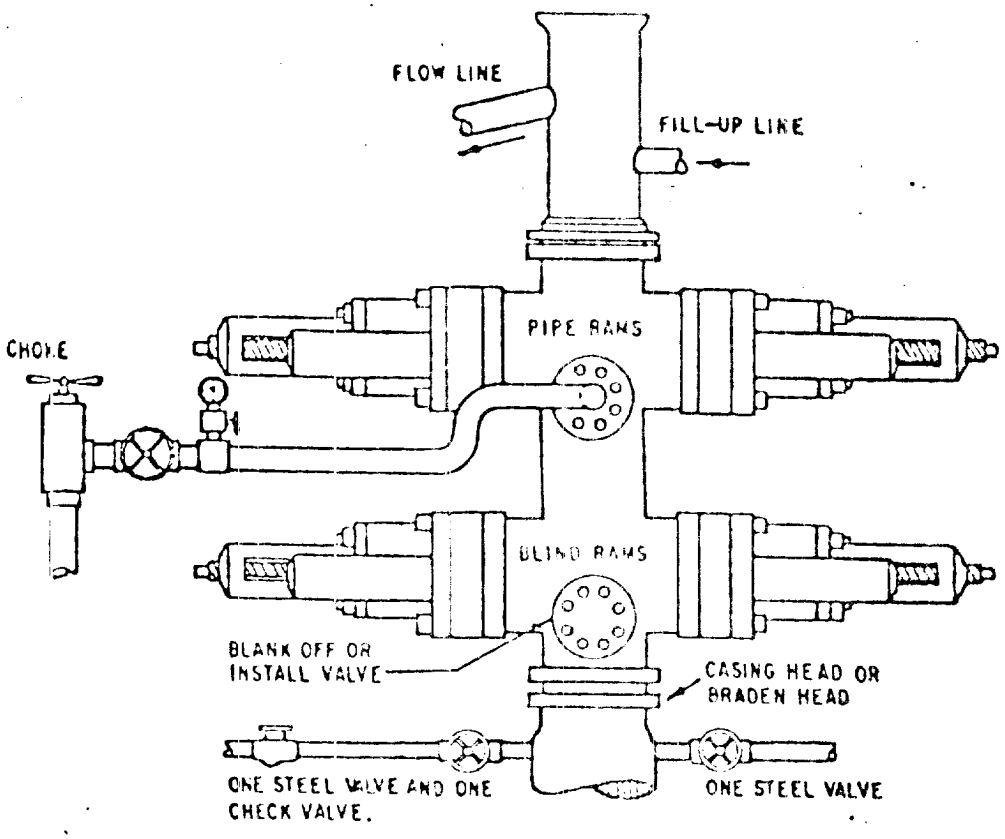

N
135'
100'
V-Door
Faces Eas
Trash
Pit
Burn
Pit
Working Pits
Substructure
Mud
Pumps
Hole
Light
Plant
Pipe
Racks
50'
100'
Trailer House
130'
120'

EXHIBIT "C"



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

A. CONDITIONS MAY BE MET BY EITHER
   (1) ONE MANUALLY OPERATED DUAL BLOWOUT PREVENTER WITH THE LOWER RAMS BLIND AND THE UPPER RAMS FOR PIPE AND AN OUTLET BETWEEN THE RAMS
   (2) TWO MANUALLY OPERATED BLOWOUT PREVENTERS WITH A CHOKE SPOOL BETWEEN THEM, THE LOWER UNIT CONTAINING BLIND RAMS AND THE UPPER UNIT CONTAINING PIPE RAMS.

B. THE OPENING BETWEEN PREVENTERS TO BE FLANGED, STUDDED, OR CLAMPED AND AT LEAST TWO INCHES DIAMETER.

C. ALL CONNECTIONS TO AND FROM PREVENTERS TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE BLOWOUT PREVENTERS.

D. MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.

E. VALVE TO CONTROL FLOW THROUGH DRILL PIPE TO BE LOCATED ON RIG FLOOR.

F. CHOKE MAY BE EITHER POSITIVE OR ADJUSTABLE

BEPCO I

TWO CLOSURE MANUAL BLOWOUT PREVENTER

FORMATION MARKERS

T/Rustler	680'
T/Salt	880'
B/Salt	1920'
T/Delaware Lime	2700'
T/Delaware Sandstone	2800'
T/ Indian Flats	3509'
T/49 Zone	3648'