

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-23356

## 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

Perry R. Bass

O. C. D.

## 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

1980' FNL &amp; 1980' FWL, Sec 26, T21S, R29E, ARTESIA, NEW MEXICO

At proposed prod. zone

Same as above

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

16 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)

1980

## 16. NO. OF ACRES IN LEASE

640

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

## 18. DISTANCE FROM PROPOSED\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

13,500

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3397.1 GL

## 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
15"	11-3/4"	42#	500'	400 sx
11"	8-5/8"	32 & 28#	3260'	1000 sx
7-7/8"	5-1/2"	17#	TD	1000 sx

Drilling procedure, BOPE diagrams, anticipated tops, and surface use plans are attached.

Gas is dedicated.

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

*Mike Wagoner*

TITLE

Engineering Assistant

DATE

2-20-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**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.

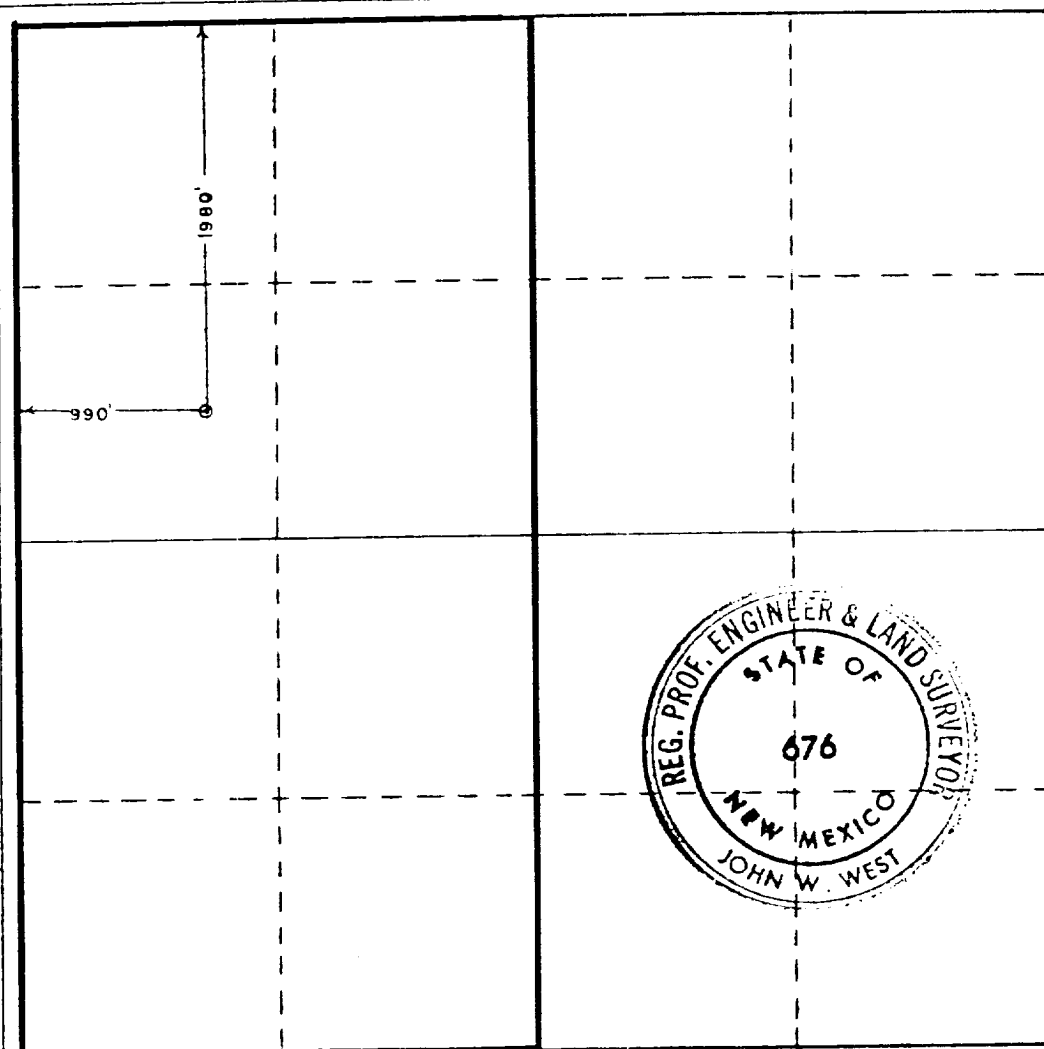
Operator <b>Perry R. Bass</b>			Lease <b>Big Eddy Unit</b>		Well No. <b>75</b>
Unit Letter <b>E</b>	Section <b>26</b>	Township <b>21 South</b>	Range <b>29 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span><b>1980</b> feet from the <b>North</b> line and</span> <span><b>990</b> feet from the <b>West</b> line</span> </div>					
Ground Level Elev. <b>3421.1</b>	Producing Formation <b>MORROW</b>	Pool <i>WILDCAT</i>		Dedicated Acreage: <b>320</b> 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 \_\_\_\_\_ 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.

*Mike Waygood*  
Name  
**Mike Waygood**

Position  
**Engineering Assistant**

Company  
**Bass Enterprises Production Co.**

Date  
**April 30, 1980**

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  
**April 26, 1980**

Registered Professional Engineer and/or Land Surveyor

Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6865**  
**Ronald J. Eidson 3239**

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400 6720 7040 7360 7680 8000 8320 8640 8960 9280 9600 9920 10240 10560 10880 11200 11520 11840 12160 12480 12800 13120 13440 13760 14080 14400 14720 15040 15360 15680 16000



# United States Department of the Interior

GEOLOGICAL SURVEY  
South Central Region  
P. O. Box 26124  
Albuquerque, New Mexico 87125

RECEIVED

JUN 9 1980

O. C. D.  
ARTESIA, OFFICE

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

Gentlemen:

PERRY R. BASS Big Eddy Unit No. 75 1980 FNL 990 FWL Sec. 26 T.21S R.29E Eddy County Lease No. NM-0915
--

Above Data Required on Well Sign
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Your APPLICATION FOR PERMIT TO DRILL the above-described well in the Secretary's Oil-Potash Area to a depth of 13,500 feet to test the Morrow 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 attached General Requirements for Oil and Gas Operations on Federal Leases, 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 these Conditions of Approval including the attached General Requirements.
3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
4. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should not be less than 8" x 5" in size and each page should identify the well.
5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
6. Before drilling below the 8-5/8" casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.

7. A kelly cock will be installed and maintained in operable condition.
8. After setting the 8-5/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.
9. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
  - (1) A recording pit level indicator to determine pit volume gains and losses.
  - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
  - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
10. Special Stipulations:
  - (1) Access road must follow flagged re-route around the archaeological site.
  - (2) The two-track road must be barricaded at the points where the re-route leaves and rejoins it to prevent its use.
  - (3) The Carlsbad Area Archaeologist must be contacted three days prior to dirt work construction so that
    - (a) These stipulations can be discussed with the dirt contractor in the field, and
    - (b) The road re-route can be archaeologically cleared and re-adjusted if necessary just prior to the start of construction.
11. Notify the Survey by telephone 24 hours prior to spudding well.
12. Notify the Survey in sufficient time to witness the cementing of the 11-3/4" and 8-5/8" casing.

13. Cement behind the 11-3/4" and 8-5/8" casing must be circulated.
14. It is required that a Gamma-Ray-Neutron Log be run in open hole from the base of Salado to the surface at a speed not to exceed 30 feet per minute.
15. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

Gene F. Daniel  
Acting Deputy Conservation Manager,  
Oil and Gas

Enclosure

cc:  
Mining Branch (2)  
BLM, Roswell (w/cy Notice)  
NMOCD, Artesia (2) (w/2 cys Notice) ✓  
Artesia  
Roswell (w/cy Notice)

Form 9-331  
(May 1963)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUBMIT IN TRIPLICATE\***  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR PERRY R. BASS</p> <p>3. ADDRESS OF OPERATOR P O BOX 2760 MIDLAND TX 79702</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL &amp; 990' FWL, SEC 26, T21S, R29E</p> <p>14. PERMIT NO.</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. 0915</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME BIG EDDY UNIT</p> <p>8. FARM OR LEASE NAME BIG EDDY UNIT</p> <p>9. WELL NO. 75</p> <p>10. FIELD AND POOL, OR WILDCAT WILDCAT</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 26, T21S, R29E</p> <p>12. COUNTY OR PARISH EDDY</p> <p>13. STATE NM</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3421.1 GL</p>		

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Report casing design</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is proposed casing design program for Perry R. Bass' Big Eddy Unit No. 75, as called for by the United States Geological Survey.

**RECEIVED**

**JUN 9 1980**

**O. C. D.  
ARTESIA, OFFICE**

18. I hereby certify that the foregoing is true and correct

<p>SIGNED <u>Mike Waygood</u></p> <p>(This space for Federal or State office use) (Orig. Sgd.) <b>GEORGE H. STEWART</b></p> <p>APPROVED BY _____</p> <p>CONDITIONS OF APPROVAL, IF ANY:</p>	<p>TITLE <u>Engineering Assistant</u></p> <p><b>ACTING DISTRICT ENGINEER</b></p> <p>TITLE _____</p>	<p>DATE <u>5-29-1980</u></p> <p><b>JUN 03 1980</b></p> <p>DATE _____</p>
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# CASING DESIGN

## BIG EDDY UNIT NO. 75

### Surface Casing

Segment	Size	Grade	Thread	Weight	Top	Bottom	Length
1	11 3/4"	H-40	ST&C	42 #	0 ±	500' ±	500' ±

### Intermediate Casing

Segment	Size	Grade	Thread	Weight	Top	Bottom	Length
1	8 5/8"	K-55	ST&C	32 #	2860' ±	3,260' ±	400' ±
2	8 5/8"	S-80	ST&C	28 #	0' ±	2,860' ±	2,860' ±

### Production Casing

Segment	Size	Grade	Thread	Weight	Top	Bottom	Length
1	5 1/2"	S-95	LT&C	17 #	11,100'±	13,500'±	2,400' ±
2	5 1/2"	N-80	LT&C	17 #	630'±	11,100'±	10,470' ±
3	5 1/2"	S-95	LT&C	17 #	0'±	630'±	630' ±

*Nike Waygood*  
 Nike Waygood

**U.S. DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**

**U.S. C.D. COPY**  
SUBMIT IN TRI (Other instruction on re-verse side) DATE

Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR <b>Perry R. Bass</b></p> <p>3. ADDRESS OF OPERATOR <b>P O BOX 2760 MIDLAND, TEXAS 79702</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) <b>At surface</b>  <b>1980' FNL &amp; 1650' FWL, Sec. 26, T21S, R29E</b></p> <p>14. PERMIT NO.</p> <p>15. ELEVATIONS (Show whether OF, RT, GR, etc.) <b>3406.1 GL</b></p>	<p>6. <b>0915</b></p> <p>7. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>NM-</b></p> <p>7. UNIT AGREEMENT NAME <b>Big Eddy Unit</b></p> <p>8. FARM OR LEASE NAME <b>Big Eddy Unit</b></p> <p>9. WELL NO. <b>75</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 26, T21S, R29E</b></p> <p>12. COUNTY OR PARISH <b>Eddy</b></p> <p>13. STATE <b>NM</b></p>
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**Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLET <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*			

Perry R. Bass hereby submits revised location for Big Eddy Unit No. 75, as called for by Bureau of Land Management. New location was moved 330' west. Big Eddy Unit No. 75 is now located 1980' FNL & 1650' FWL, Section 26, T21S, R29E. Eddy County, New Mexico. Attached is revised map with new location and access road.

APR 4 1980  
BUREAU OF LAND MANAGEMENT  
ALBUQUERQUE, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED <u><i>Mike Waygood</i></u>	TITLE <u>ENGINEERING ASSISTANT</u>	DATE <u>4-2-80</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		



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

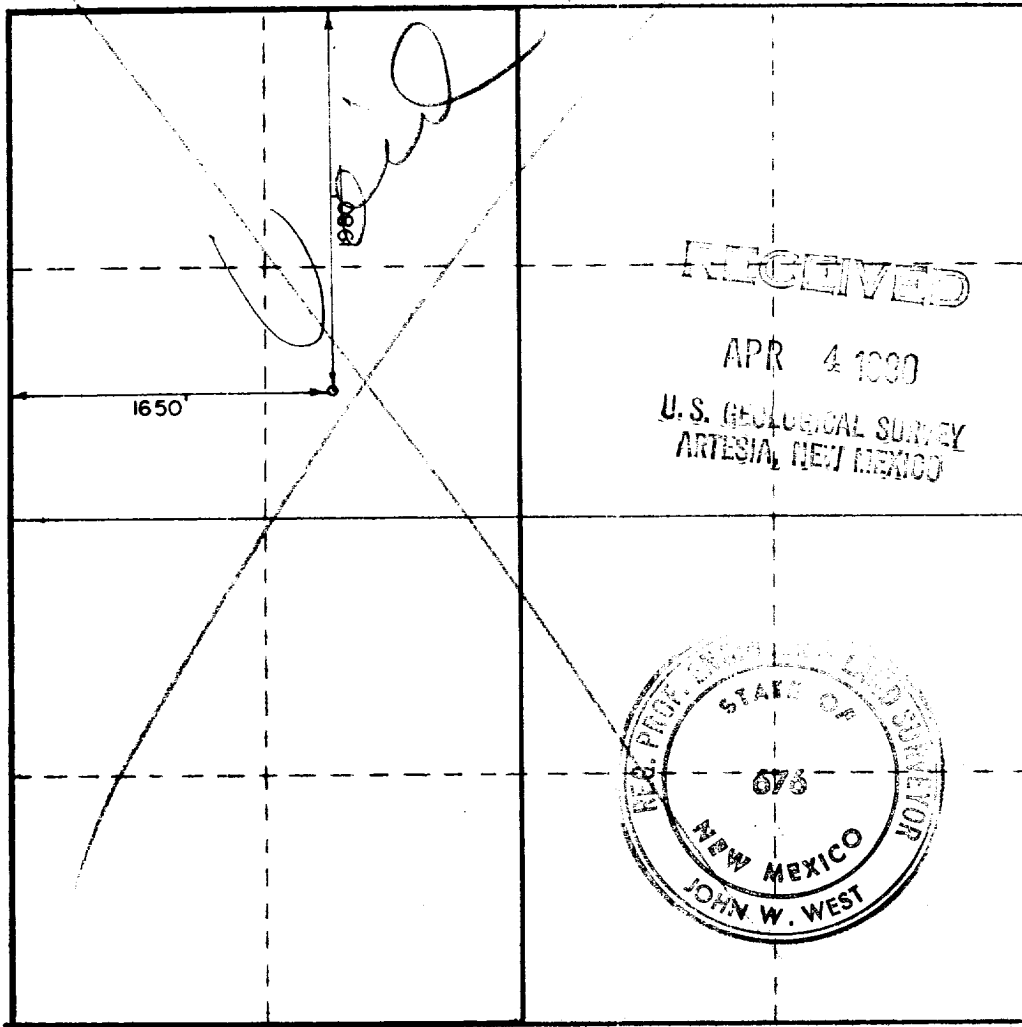
Operator <b>Perry R. Bass</b>			Lease <b>Big Eddy Unit</b>			Well No. <b>75</b>		
Unit Letter <b>F</b>	Section <b>26</b>	Township <b>21 South</b>		Range <b>29 East</b>	County <b>Eddy</b>			
Actual Footage Location of Well: <b>1980</b> feet from the <b>North</b> line and <b>1650</b> feet from the <b>West</b> line								
Ground Level Elev. <b>3406.1</b>	Producing Formation <b>Morrow</b>		Pool <b>Wildcat</b>			Dedicated Acreage: <b>320</b> 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 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.

*Mike Waygood*  
Name **Mike Waygood**

Position  
**Engineering Assistant**

Company  
**Bass Enterprises Production Co**

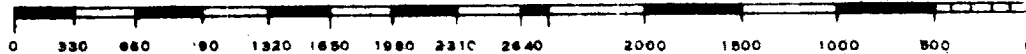
Date  
**April 3, 1980**

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  
**3-29-1980**

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6868**  
**Ronald J. Eidson 3239**



Perry R. Buss

Block Unit

75

F

26

21 South

22 East

Eddy

1980

North

1972

West

3297.1

MORROW

WILDCAT

320

... the acreage ...

If ... more than one ...

If ... more than one ...

X Yes No If answer is "Yes" type of consolidation UNIT

If answer is "No" list the owners and their descriptions which have actually been consolidated (Use reverse side of this form if necessary)

Not allowable will be assigned to the well and all interests have been consolidated by communitization, unitization, forced pooling, or otherwise or until a non-standard unit, encompassing 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

Mike Waygood

MIKE WAYGOOD

ENGINEERING ASSISTANT

BASS ENTERPRISES PROD. CO.

FEBRUARY 20, 1980

I hereby certify that the well location shown on this plan was plotted from field notes of the survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief

February 7, 1980

... Engineer

John W. West

Cert. No. JOHN W. WEST 676  
PATRICK A. ROMERO 6683  
Ronald J. Edison 3239

RECEIVED

FEB 22 1980

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

## DRILLING PROCEDURE

### Big Eddy Unit #75

#### Location:

1980' FWL & 1980' FNL, Sec. 26, T21S, R29E

#### Conductor Casing:

40' + of 16" conductor casing will be set with a rat-hole machine and cemented to the surface with ready mix.

#### Surface Hole:

A 15" O.H. will be drilled to 500' + (T/Salt) and 11-3/4" 42#/ft H-40 casing run to total depth. The surface casing will be cemented with 400 sx Class "C" plus 2%  $\text{CaCl}_2$ . Cement must be circulated to the surface.

Total WOC time is 8 hours.

#### Nippling Up 11-3/4" Casing:

After waiting 4 hours "nippling up" procedures may begin. An 11-3/4" SW 3000# WP x 12" 3000# WP casinghead will be welded in place. A set of hydraulic operated pipe and blind rams will then be installed. (See BEPCO II attached) and tested to 1000 psi with the rig pump.

The results of this test must be reported in the daily driller's log.

#### Intermediate Hole:

An 11" O.H. will then be drilled to 3260' (T/Lamar Lime). 8-5/8" casing will be run to total depth and cemented with approximately 800 sks Halliburton Lite plus 8#  $\text{NaCl}$ /sx plus 1/4#/sx floccel, "tailed-in" with 200 sx Class "C" with 2%  $\text{CaCl}_2$  plus 1/4#/sx floccel. Cement will be circulated to the surface.

Total WOC time for this casing string will be 12 hours.

#### Nippling Up the 8-5/8" casing:

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Big Eddy Unit #75

1980' FNL & 1980' FWL

Sec 21, T21S, R29E

Eddy County, New Mexico

**RECEIVED**

**FEB 22 1980**

**U.S. GEOLOGICAL SURVEY  
ARTESIA, 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. The location is obtained by turning west off of State Highway 31, 5 miles south of it's intersection with highway 62-180. The turnoff is onto a good caliche road for approximately 1½ miles west. Then turn north for ½ mile and west for 3/10 mile into location.
2. Planned access road (Width, maximum grade, turnout, drainage design, location & size of culverts & surfacing material, where fences will be cut, & where gates or cattleguard will be used.) Exhibit "A" shows the planned access road to BEU #75. This road will be 12' wide and approximately 4500' long. The road will be constructed of watered and <sup>compacted</sup> caliche with turnouts every 2000'. No cattleguards, gates, or culverts are anticipated.
3. Location of existing wells Exhibit "A" shows all surrounding wells.
4. Location of tank battery and flow lines If a commercial well is obtained, a production battery will be constructed on the southwest corner of the location. Refer to exhibit "B".

5. Location and type of water supply fresh water is to be hauled from the  
city of Carlsbad. Brine water is to be hauled from Champion Brine Water  
Station 3½ miles east and 2½ miles south of Carlsbad.

6. Source of construction material Exhibit "A" shows the approximate 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 "B" shows the dimensions of the well pad and  
reserve pit. The relative location of the major rig components, trash  
pit, burn pit, etc., are also shown. Only minor leveling of the well site  
will be required. No significant cuts or fills will be necessary. The  
reserve pit will be lined. 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 time of final abandonment, both USGS and BLM restoration stipulations will be complied with.

11. Other information:

- A. Terrain relatively flat
- B. Soil Sandy
- C. Vegetation sparse, primarily mesquite with very little grass.
- D. Surface use grazing
- E. Surface water none
- F. Water wells none within 1 mile
- G. Residences and buildings none within 1 mile
- H. Surface ownership The well site and access road 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) Mike Cure  
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.

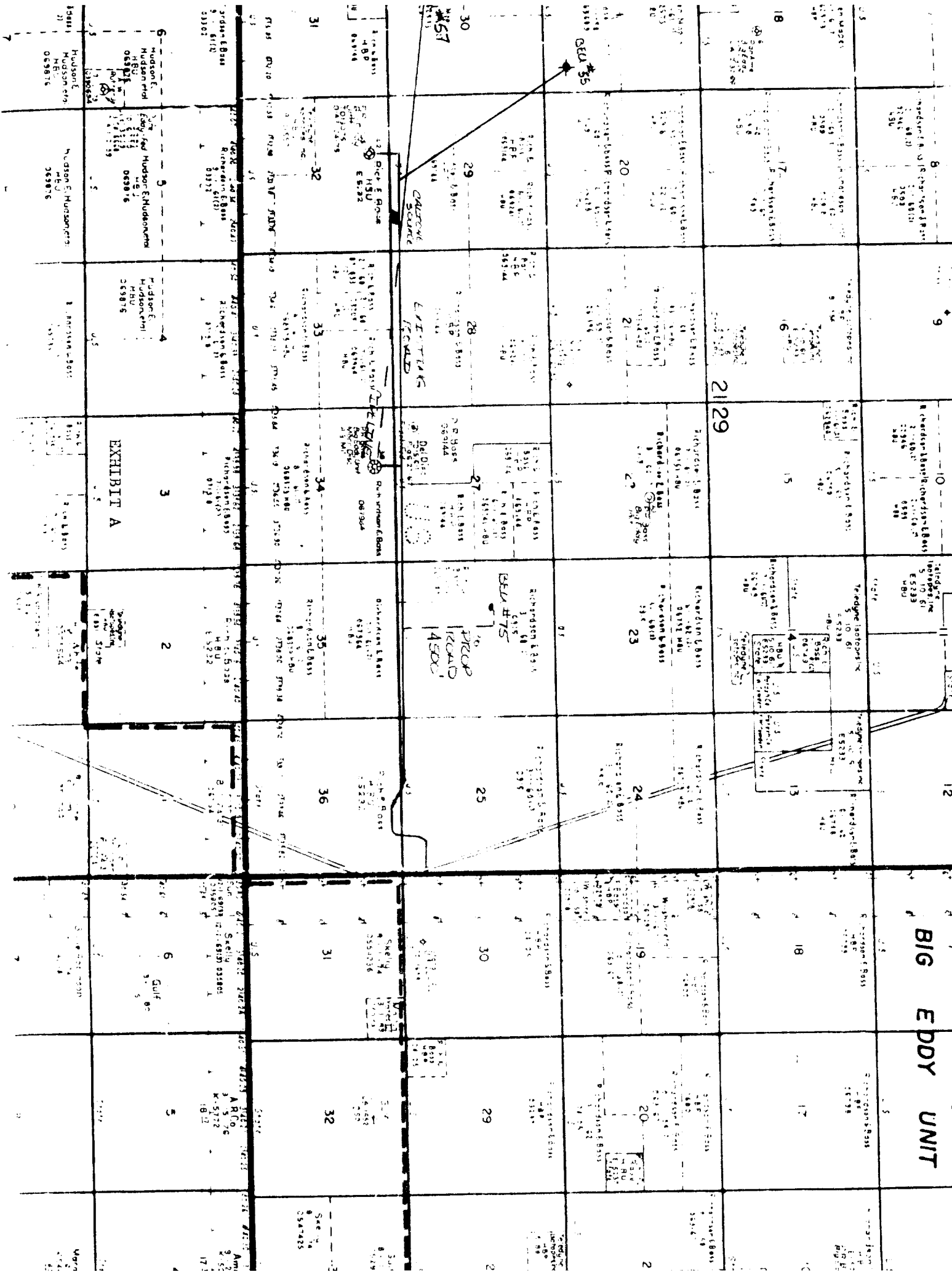
2-20-80  
(Date)

Mike Waygood  
(Name)

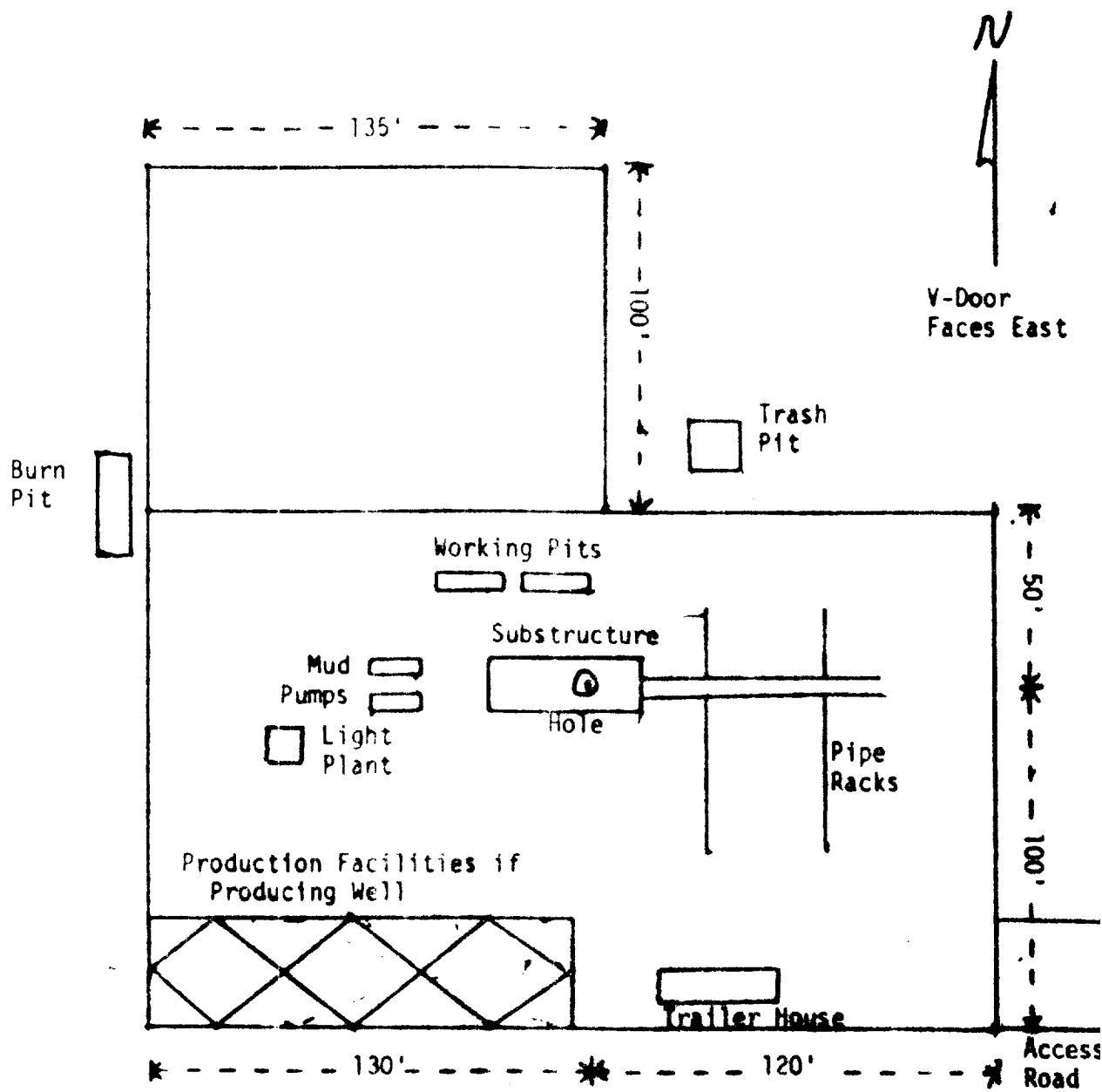
Engineering Assistant  
(Title)

CEB:gp

BIG EDDY UNIT





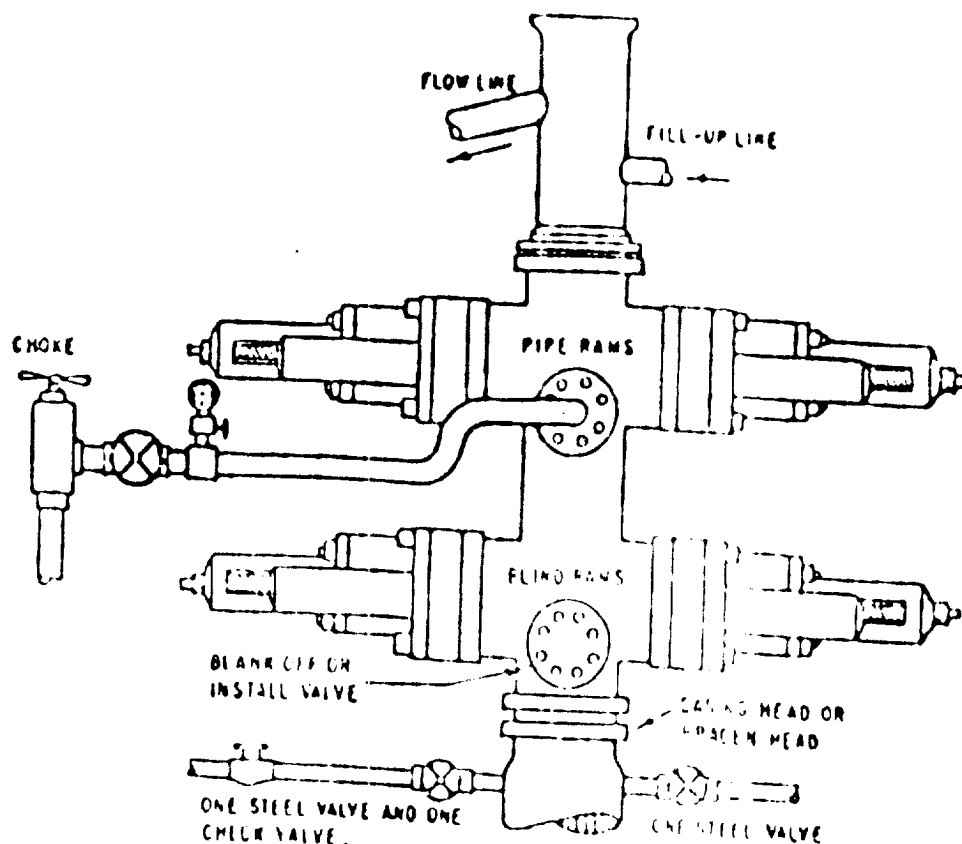


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BIG EDDY UNIT # 75

ANTICIPATED FORMATION TOPS

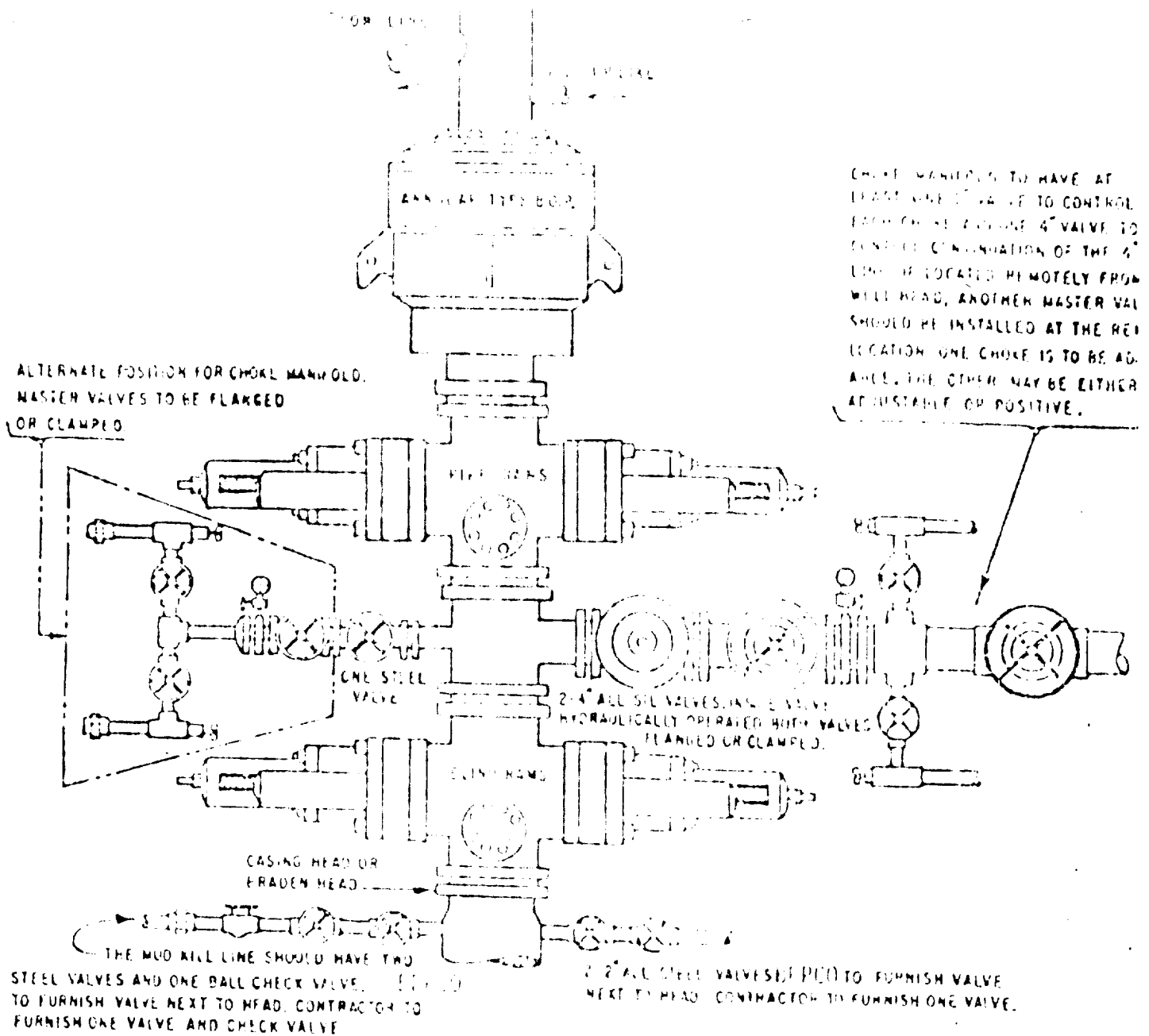
T/Salt	510'
B/Salt	3060'
T/Delaware Group	3260'
T/Delaware SD	3340'
T/Indian Draw	4230'
T/Fidel SD	6940'
T/Bone Springs	7010'
T/Wolfcamp	10450'
T/Strawn	11330'
T/Atoka	11960'
T/Middle Morrow	12755'
T/Lower Morrow	13070'



### THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. ONE DOUBLE GATE BLOWOUT PREVENTER WITH LOWER RAMS BLIND AND UPPER RAMS FOR PIPE, ALL HYDRAULICALLY CONTROLLED. OPENING ON PREVENTERS BETWEEN RAMS.
- B. OPENING TO BE FLANGED, STUDDED OR CLAMPED AND AT LEAST TWO INCHES DIAMETER.
- C. ALL CONNECTIONS FROM OPERATING MANIFOLD TO PREVENTERS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- D. THE AVAILABLE CLOSING PRESSURE SHALL BE AT LEAST 15% IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE THE PREVENTERS.
- E. ALL CONNECTIONS TO AND FROM PREVENTERS TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE B.O.P.
- F. MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.
- G. VALVE TO CONTROL FLOW THROUGH DRILL PIPE TO BE LOCATED ON RIG FLOOR.
- H. CHOKE MAY BE EITHER POSITIVE OR ADJUSTABLE. choke spool may be used between rams.

REPCO II  
ONE HYDRAULIC DUAL BLOWOUT PREVENTER



## THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- CONDITIONS MAY BE MET BY AN ANNULAR TYPE BLOWOUT PREVENTER (BOP) AND A CHOKING MANIFOLD, EITHER:
  - (1) TWO RAM TYPE BLOWOUT PREVENTERS BELOW THE CHOKING MANIFOLD, THE LOWER UNIT CONTAINING SEPARATE RAMS AND THE UPPER UNIT CONTAINING PIPE RAMS, OR
  - (2) A DUAL BLOWOUT PREVENTER BELOW THE CHOKING MANIFOLD, THE LOWER RAMS ON BOTTOM AND PIPE RAMS ON TOP.
- OPENING ON CHOKING MANIFOLD TO BE FLANGED, STUDDED OR FLANGED.
- ALL CONNECTIONS FROM OPERATING MANIFOLDS TO PREVENTERS TO BE ALL STEEL PIPE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- THE AVAILABLE CLOSING PRESSURE SHALL BE AT LEAST 50% IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE THE BOP.
- ALL CONNECTIONS TO AND FROM PREVENTER TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE BOP.
- MANUAL CONTROLS TO BE INSTALLED BELOW GROUND, TO BE MAINTAINED.
- WELL COCK TO BE INSTALLED ON ASSEY.
- INSIDE BLOWOUT PREVENTER TO BE AVAILABLE ON ASSEY.
- DUAL OPERATING CONTROLS, ONE LOCATED AT WELLHEAD AND THE OTHER LOCATED A SAFE DISTANCE FROM THE RIG FLOOR.

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## THREE CLOSURE HYDRAULIC BLOWOUT PREVENTERS