



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

February 3, 1976

RECEIVED

Mr. Perry R. Bass
P. O. Box 2760
Midland, Texas 79701

FEB 4 1976

Dear Mr. Bass:

O. C. C.
ARTESIA, OFFICE

Your Application for Permit to Drill well No. 48 Big Eddy Unit in the NE 1/4 sec. 27, T. 20 S., R. 31 E., N.M.P.M., Eddy County, New Mexico, lease Las Cruces 065431, to a depth of 7,100 feet to test the Delaware formation in the Potash Area, is hereby approved, subject to running an open hole Gamma Ray Sonic log through the potash section (approximately 1,000-2,000 foot depth) prior to running the 9-5/8" casing.

One copy of the Application is returned herewith. Please notify the District Engineer, Geological Survey, Post Office Drawer U, Artesia, New Mexico, 88210, in sufficient time for a representative to witness all cementing operations. The office phone number is Area Code 505-746-4841.

Sincerely yours,

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

Attachment

cc:
Regional Manager, Denver
Mining Branch (2)
NMOCC-Artesia (2) (w/2 cys Notice) ✓
BLM-Roswell (w/cy Notice)
Artesia (w/cy Notice)
Roswell (2) (w/cy Notice)
Roswell (Chrono.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

3. NAME OF OPERATOR

Perry R. Bass

4. ADDRESS OF OPERATOR

P. O. Box 2760, Midland, Texas 79701

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

At surface 660' FNL & 1980' FWL, Section 27, T-20-S, R-30-E

At proposed prod. zone

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

30 miles East from Carlsbad, NM

7. DISTANCE FROM PROPOSED*

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

660'

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

9. PROPOSED DEPTH

7100'

10. ELEVATIONS (Show whether DF, BT, GR, etc.)

3516.5 GR

11. NO. OF ACRES ASSIGNED
TO THIS WELL

40

12. ROTARY OR CABLE TOOLS

Rotary

13. APPROX. DATE WORK WILL START*

February, 1976

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	48	600'	620 sx Circ to Surface
12 1/2"	9 5/8		2800'	1150 sx Circ to Surface
8 3/4"	7"		3600'	± 130 sx (Top cmt 2600')
6 1/2"	5" (Liner)	13.0	7100	Sufficient cmt to cover all pay zones. Squeeze top of liner

See attached for recommended drilling program, formation tops, and blow out
preventor diagram.

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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

U. P. Fater

TITLE

Sr. Petroleum Engineer

DATE

10-21-75

(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

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 1-75
Supersedes 1-74
File 100-100

All distances must be from the outer boundaries of the Section.

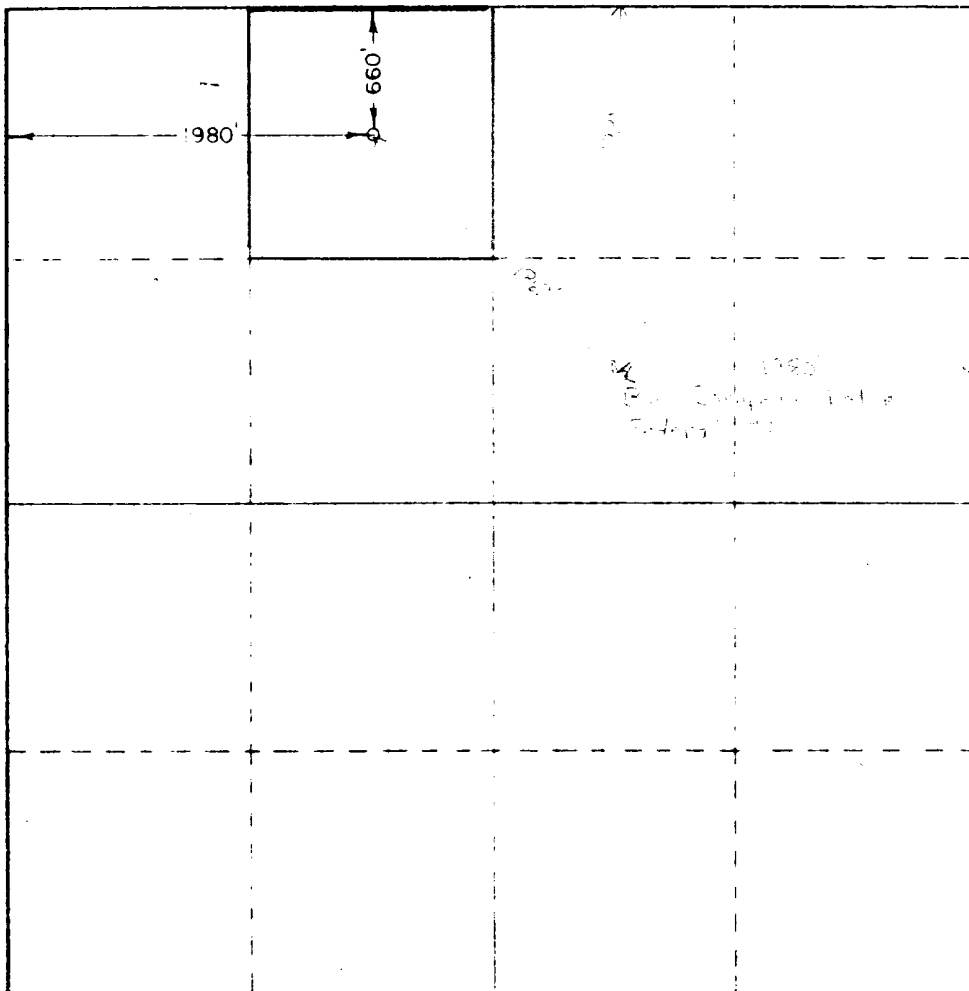
Operator Bass Enterprises Production Company		Lease Big Eddy Unit		Section 48
Section C	Section 27	Section 20 South	Section 31 East	Section Eddy
Section 660		Section 1980		Section West
Section 3516.5				

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 (if so, reverse side of this form if necessary) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-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.

William P. Foster

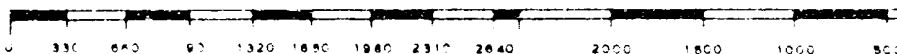
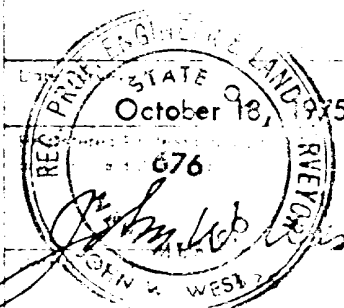
WILLIAM P. FOSTER

SR. PETROLEUM ENGR.

BASS ENTERPRISES PROD.

OCTOBER 21, 1975

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.



N. M. O. C. 1000

BASS ENTERPRISES PRODUCTION CO.

601 GIHLS TOWER EAST
P. O. BOX 2760
MIDLAND, TEXAS 79701

November 4, 1975

United States Department of the Interior
Geological Survey
Drawer U
Artesia, New Mexico 88210

Gentlemen:

Attached is an application for a permit to drill the Big Eddy Unit #48, a Delaware well in Section 27, T-20-S, R-31-E, Eddy County, New Mexico. The proposed well is in a designated Potash Area (R-111-A) and is also in the area under the jurisdiction of the Carlsbad Water District. We propose to drill the Big Eddy Unit #48 under the guidelines as set out in order No. R-111-A with a surface string of 13 3/8" casing set at $\pm 600'$ and cemented to surface. Our salt protection string would be 9 5/8" casing set at $\pm 2800'$ and also cemented to surface. We propose to protect the permeable section of the Capitan Reef by setting 7" casing at $\pm 3600'$ and cementing so as to tie the cmt back into the 9 5/8" X 7" annulus. We then propose to set a 5" liner from $\pm 3300'$ to T.D. We plan to use a fresh water mud system to drill the surface hole, a brine system to drill the intermediate hole to 2800', and a fresh water system to drill from 2800' - T.D.

Also attached are a plat of section 27, our proposed drilling procedure, a BOPE diagram, anticipated formation tops, and a topographical map of the area showing present roads as well as roads which will have to be constructed. If you have any questions concerning the permit, please contact me at our Midland, Texas office at A/C 915-684-5723. Thank you very much.

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ARTESIA, NEW MEXICO

Yours sincerely,

Bill Foster

Bill Foster
Sr. Petroleum Engineer

WPF/dh

Also attached is our Surface Use Plan.

BASS ENTERPRISES PRODUCTION CO.

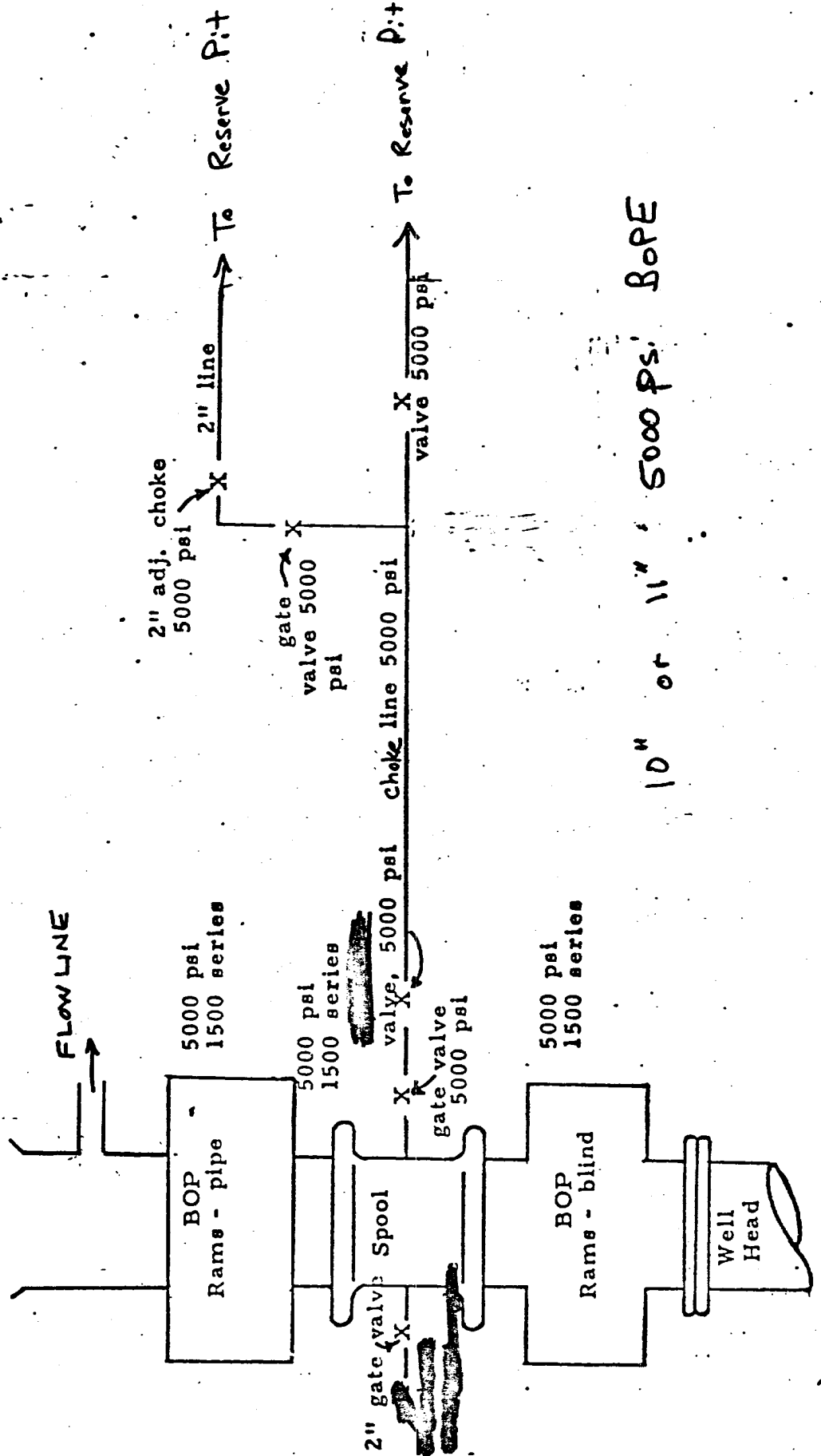
BIG EDDY UNIT #48

Loc: 660' FNL, 1980 FWL,

Sec. 27 T-20-S, R-31-E;

Eddy County, New Mexico

TO BE INSTALLED ON 8 5/8"
CSC AND CHECKED WHEN
INSTALLED.



10" or 11" 5000 psi BOP

BASS ENTERPRISES PRODUCTION COMPANY
BIG EDDY UNIT #48
EDDY COUNTY, NEW MEXICO

ANTICIPATED FORMATION TOPS

Rustler	660'
Capitan Reef	2787'
Delaware Sand	3705'
Cherry Canyon	5315'
Brushy Canyon	6140'
Total Depth	7100'
G. L. = 3516.5'	

BASS ENTERPRISES PRODUCTION CO.

601 GIHLIS TOWER EAST

P. O. BOX 2760

MIDLAND, TEXAS 79701

SURFACE USE PLAN

Bass Enterprises Production Company Big Eddy Unit #48
660' FNL & 1980' FWL, Sec 27, T-20-S, R-~~30~~-E, Eddy County,
New Mexico.

3/E

1. Access to Location - Exhibit A

Access to our Big Eddy Unit #48 is obtained by turning north off US Hwy 62-180 at a point 24 miles east of Carlsbad. The turnoff is marked by signs indicated by the Bass Federal Rodke and Bass Federal-Cobb signs. The lease road continues north 1.3 miles and then turns west for .4 miles to the Bass Federal Rodke location and tank battery. From this location a new road going 1320' north and then 1320' west will be built to the Big Eddy Unit #48 location.

2. New Roads to Build

The only new roads required will be .5 miles of road north and then west from our existing Federal Rodke #1. The new roads will consist of 6" of caliche which will be rolled, watered and compacted.

3. Location and Pad - Exhibit B

A location 150' X 250' will be required for the drilling of the Big Eddy Unit #48. The pad will be covered with 6" of caliche which will be watered, rolled and compacted. A 100' X 140' reserve pit will be built on the north side of the pad. The reserve pit will be lined with impermeable plastic. A burn pit for trash will be located as indicated on Exhibit B.

4. Location of Existing Wells

There are two nearby wells. The Bass Federal Rodke #1 is 1867' to the southeast and the Bass Federal Cobb is 4174' to the ENE. The Rodke #1 is temporarily abandoned while the Cobb #1 is still producing.

SURFACE USE PLAN

5. Setting and Environment

The terrain is fairly flat at the well site with low lying sandhills. Vegetation is sparse being primarily mesquite with very little grass. The only use for the area is grazing. The area is very sandy. Environmental risk is very low.

6. Distances to Water, Residences, etc.

There are no surface waters, residences, etc. within one mile of the location. There are no windmills within one mile of the location and the nearest landing strip is 2½ miles away.

7. Well Identification

There will be well signs posted at the turnoff from US Hwy 62-180 and at the Big Eddy Unit #48 location.

8. Open Pits

All pits containing liquid mud or chemicals will be fenced or guarded.

9. Tank Battery and Lease Lines

If a commercial well is obtained either a production battery will be constructed on the southeast corner of the pad or lease flow lines will be laid along the road 1320' to the east and then 1320' to the south to the Federal Rodke battery. These are the only lease lines that would be required.

10. Waste Disposal

All drill cuttings will be disposed of in the reserve pit. Trash barrels will be available at the location and all detrimental waste will be burned, carried away, or buried with a minimum cover of 24" of dirt.

11. Water Supply

Fresh water and brine will be hauled to the location by commercial haulers.

12. Archaeological Resources

None were observed.

13. Restoration of Resources

Pits will be backfilled and leveled as soon as practical after the well has been drilled. Upon final abandonment of the well, the site will be restored as close as practical to its original state.

14. Operators Representatives

Field personnel who can be contacted concerning compliance

SURFACE USE PLAN

15. Operators Representatives (cont'd)
with this surface use plan are as follows:

DRILLING

Leroy Hurt
P. O. Box 1043
Kermit, Texas 79745

Bill Foster
P. O. Box 2760
Midland, Texas 79701

PRODUCTION

Leroy Hurt
P. O. Box 1043
Kermit, Texas 79745

Bill Foster
P. O. Box 2760
Midland, Texas 79701

16. Certification

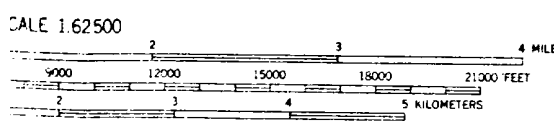
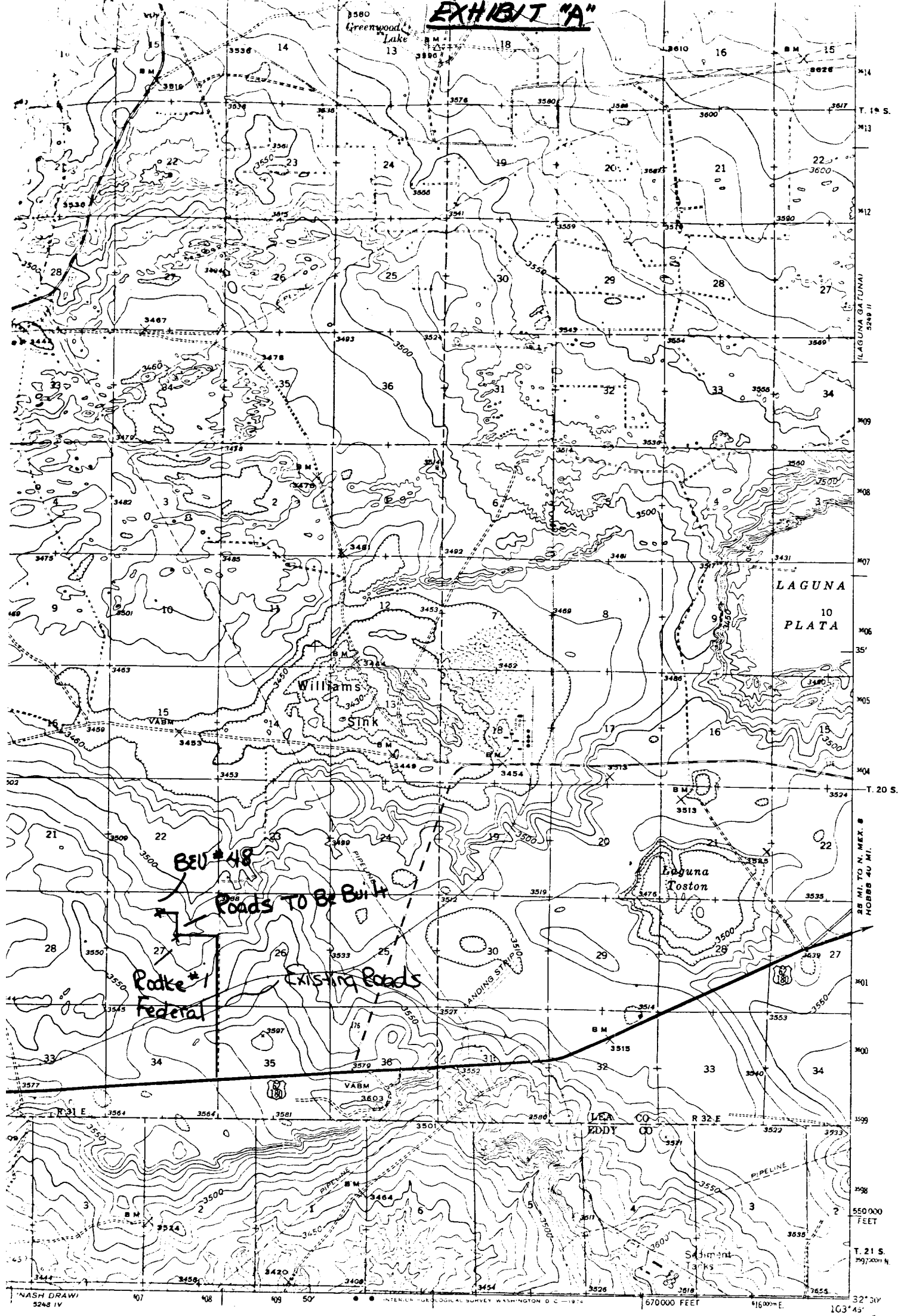
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist, that the statements made in this plan are to the best of my knowledge true and correct, and that the proposed work performed by Bass Enterprises Production Company and its contractors and sub-contractors will conform to this plan.

Bill Foster

Bill Foster
Senior Petroleum Engineer

WPF/fg
attach.

EXHIBIT "A"



Polyconic projection. 1927 North American datum.
10000 foot grid based on New Mexico (East)
rectangular coordinate system.
1000-meter Universal Transverse Mercator grid
ticks, zone 13, shown in blue

CLAYTON BASIN, N. MEX.

N3230-W10345/15
1942
PHOTO REVIS. D 1965
AMS 5249 III-SERIES V781

Interval 10 feet
is mean sea level
NATIONAL MAP ACCURACY STANDARDS
INVER, COLORADO 80225 OR RESTON, VIRGINIA 22092
C-MAP AND J-MOBS IS AVAILABLE ON REQUEST

EXHIBIT 'B'

BIG EDDY UNIT #48

