

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

Ammex Petroleum, Inc.

3. ADDRESS OF OPERATOR

Box 10507 Midland, TX 79702

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

At surface

2180' FNL & 1980' FWL Sec. 7, T-21-S, R-28-E 1/4 SE/4 NW/4

At proposed prod. zone

same

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

8.5 miles NE of Calsbad, NM

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

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

9050

20. ROTARY OR CABLE TOOLS

rotary

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

3159.6' GR

23. to BLM 11/17/83

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#	400' <i>set above top of SALT</i>	400' sx
12 1/4"	8 5/8"	24#	2450'	1000' sx
7 7/8"	5 1/2"	17#	9050'	1000' sx in 2 stages

Attached:

Supplemental drilling data
BOP sketch
Surface use and Operations Plan.

RECEIVED

NOV 17 1983

OIL & GAS

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

William C. Merrill

TITLE Operations Manager

DATE 11/11/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Richard Gaston

TITLE

ASSOCIATE DISTRICT MANAGER

DATE

DEC 01 1983

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
SPECIAL STIPULATIONS
*See Instructions On Reverse Side
ATTACHED

POSTED: BRYAN

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.

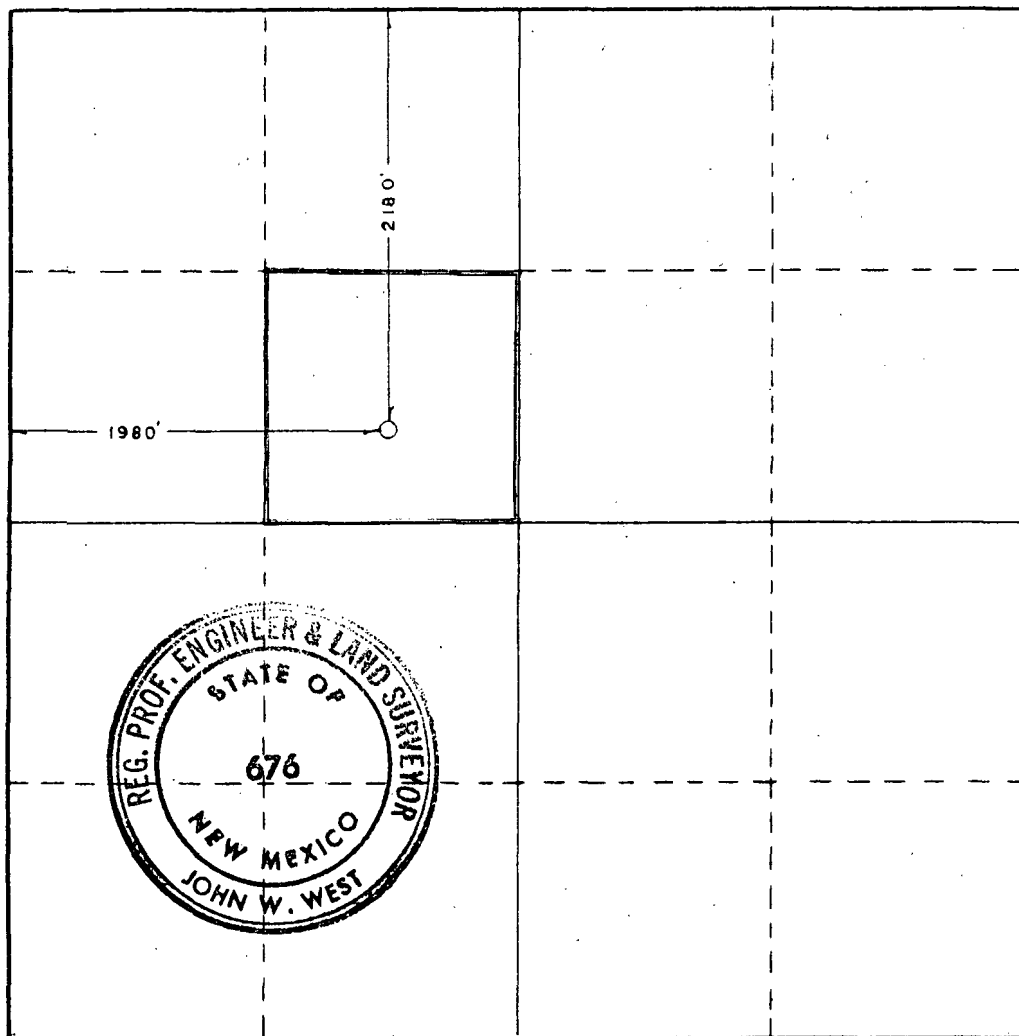
Operator AMMEX PETROLEUM INC.			Lease Big Eddy		Well No. 9298
Unit Letter F	Section 7	Township 21 SOUTH	Range 28 EAST	County EDDY	
Actual Footage Location of Well: 1980 feet from the WEST line and 2180 feet from the NORTH line					
Ground Level Elev. 3159.6	Producing Formation BONE SPRINGS		Pool Wildcat	Dedicated Acreage: .40 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 _____

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.

Name **W. A. Merrick**
Position **Operations Mgr.**
Company **Ammex Petroleum, Inc.**
Date **11/14/83**

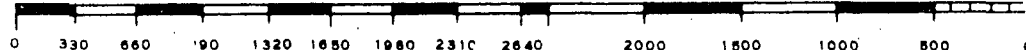
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **OCTOBER 7, 1983**
Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST, 676**

RONALD J. EIDSON, 3239



SUPPLEMENTAL DRILLING DATA

Ammex Petroleum, Inc.
Big Eddy #92
2180' FNL & 1980' FWL
Sec. 7, T21S, R28E
Eddy County, N.M.

Lease No. LC-060572-A

1. Surface Formation: Alluvium

2. Estimated Geological Marker Tops:

Capitan Reef	1190	Bone Springs	5778
Delaware Mtn. Grp	3035	Wolfcamp	9286
Indian Draw	3167		

3. Mineral Bearing Formations: Bone Springs - oil

4. Proposed Casing and Cement Program:

To be set above the salt
13 3/8" Casing - Set approximately 400', 48#, J-55, ST&C casing and cement with 400 sx cement to surface. *per Telecom W/ W. A. Morris 11-28-83 Bob P*
8 5/8" Casing - Set approximately 2450', 24.0#, K-55, ST&C casing and cement with 1000 sx cement to surface.
5 1/2" Casing - Set 5 1/2", 17.0#, K-55, ST&C casing at total depth. Cement with 1000 sx cement in 2 stages.

5. Pressure Control Equipment: A 2000 psi working pressure BOP will be used after 8 5/8" casing is set.

6. Testing, Logging, and Coring Programs:

Testing: None anticipated

Logging: GR/CNL, LDT, NGT

Coring: None anticipated

7. Auxiliary Equipment: A kelly cock will be installed on the rig floor while drilling operations are in progress.

8. Proposed Mud Program:

0-400	Fresh water with gel or lime as needed for viscosity control
400-2450	Native brine
2450-TD	Cut brine and gel to maintain good hole conditions

9. Anticipated Starting Date: November 24, 1983

SURFACE USE and OPERATIONS PLAN

Ammex Petroleum, Inc.
Big Eddy #92
2180 FNL & 1980 FWL
Sec 7, T21S, R28E
Eddy County, NM

RECEIVED

NOV 17 1983

OIL & GAS

ROSWELL, NEW MEXICO

1. Existing Roads

- A. Exhibit "A" is a portion of a map showing location of the proposed well as staked.
- B. Exhibit "B" is a plat displaying the existing roads and wells within the immediate area.

2. Planned Access Roads

- A. Planned access roads are shown on Exhibit "B". No new access roads will be required.

3. Location of Existing Wells

- A. Location of existing wells are shown on Exhibit "B"

4. Location of Proposed Production Facilities

- A. If the test well is commercial production facilities will be located on the drill pad.

5. Location and Type of Water Supply

- A. Water necessary for drilling operations will be trucked to the drill site from a commercial source

6. Source of Construction Materials

- A. Construction materials will be caliche and will be purchased from a borrow pit located approximately one mile west on the caliche road in Section 12 of T21S, R28E.

7. Methods of Handling Waste Disposal

- A. Drill cuttings will be disposed of in the drill pits
- B. Drilling fluids will be allowed to evaporate in the drill pits until the pits are dry.
- C. Water produced during tests will be disposed of in the drill pits.
- D. Oil produced during testing operations will be stored in test tanks until sold.
- E. All trash will be buried in a separate pit and covered with a minimum of 24 inches of dirt.
- F. The location will be cleaned of all debris as soon as drilling and completion operations are completed.

8. Wellsite Layout

- A. Exhibit "C" displays the wellsite and rig layout

9. Plans for Restoration of the Surface

- A. After completion of operations all material not needed for producing the well will be removed. Pits will be filled and the location will be cleaned of all trash and junk to leave the wellsite in good condition.
- B. Any unguarded pits containing fluids will be fenced until they are dry.
- C. If the test well results in a dry hole location will be cleaned of all debris. The disturbed area will be rehabilitated to Federal Agency requirements.

10. Other Information

- A. Topography: The location is situated near Lone Tree Draw
- B. Soil: Consists of sand and caliche
- C. Vegetation: Mesquite and assorted grasses
- D. Surface Ownership: Federal Government
Grazing Rights: Beker Industries Corp.
Box 396
Carlsbad, NM 88220
- E. Surface Utilization: Grazing cattle

11. OPERATOR'S REPRESENTATIVE:

W.A. (Art) Merrick
Office: 915/684-5871

Home: 915/686-7758

Tommy Thomas

Office: 915/684-5871

Home: 915/689-8224

12. 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 AMMEX PETROLEUM, INC. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

11/16/83
Date

Terry W. Franklin
Terry W. Franklin
Agent

EXHIBIT "A"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LUBBOCK (JUNC. U.S. 84) 171 MI.
HOBBS 60 MI.

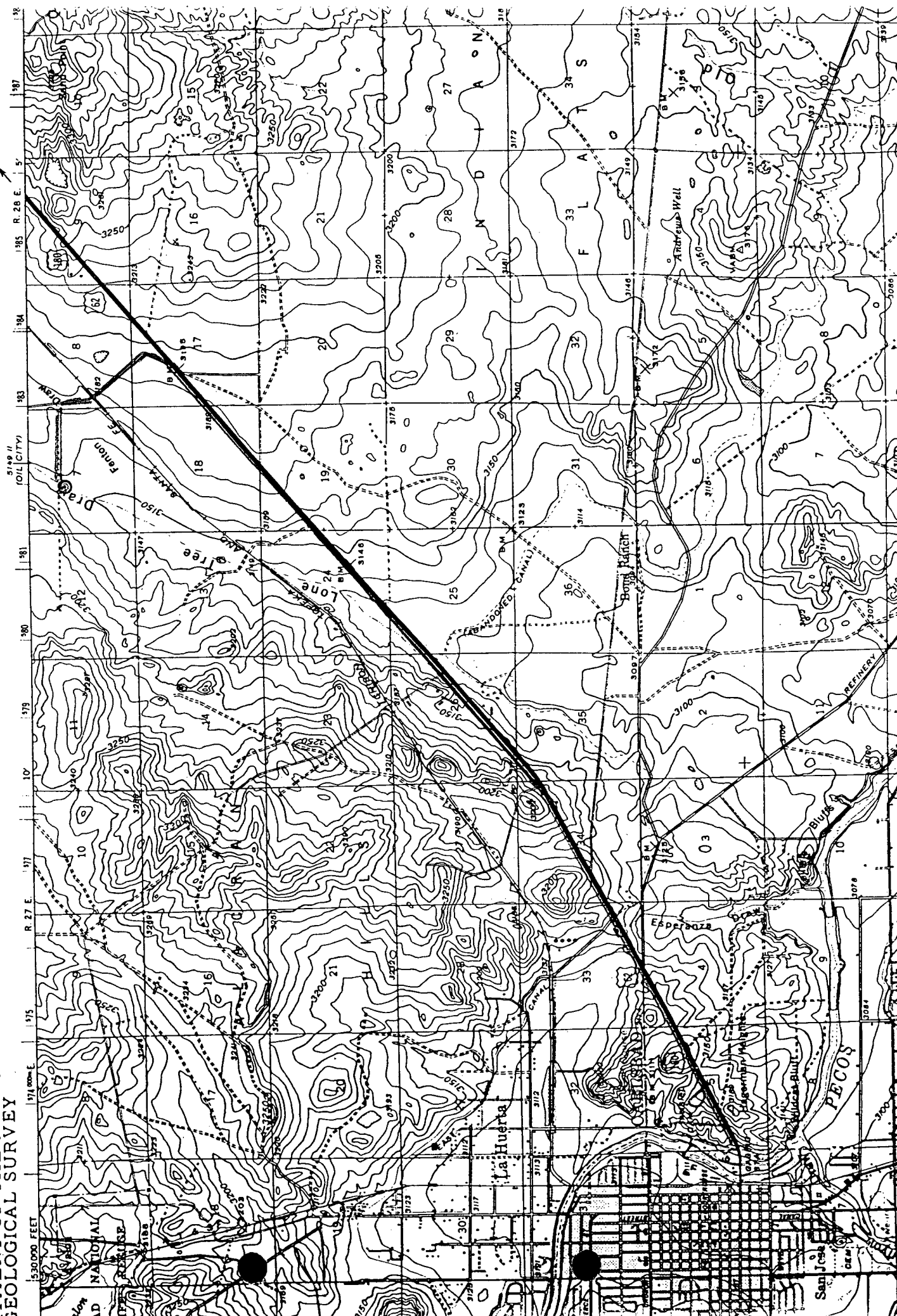
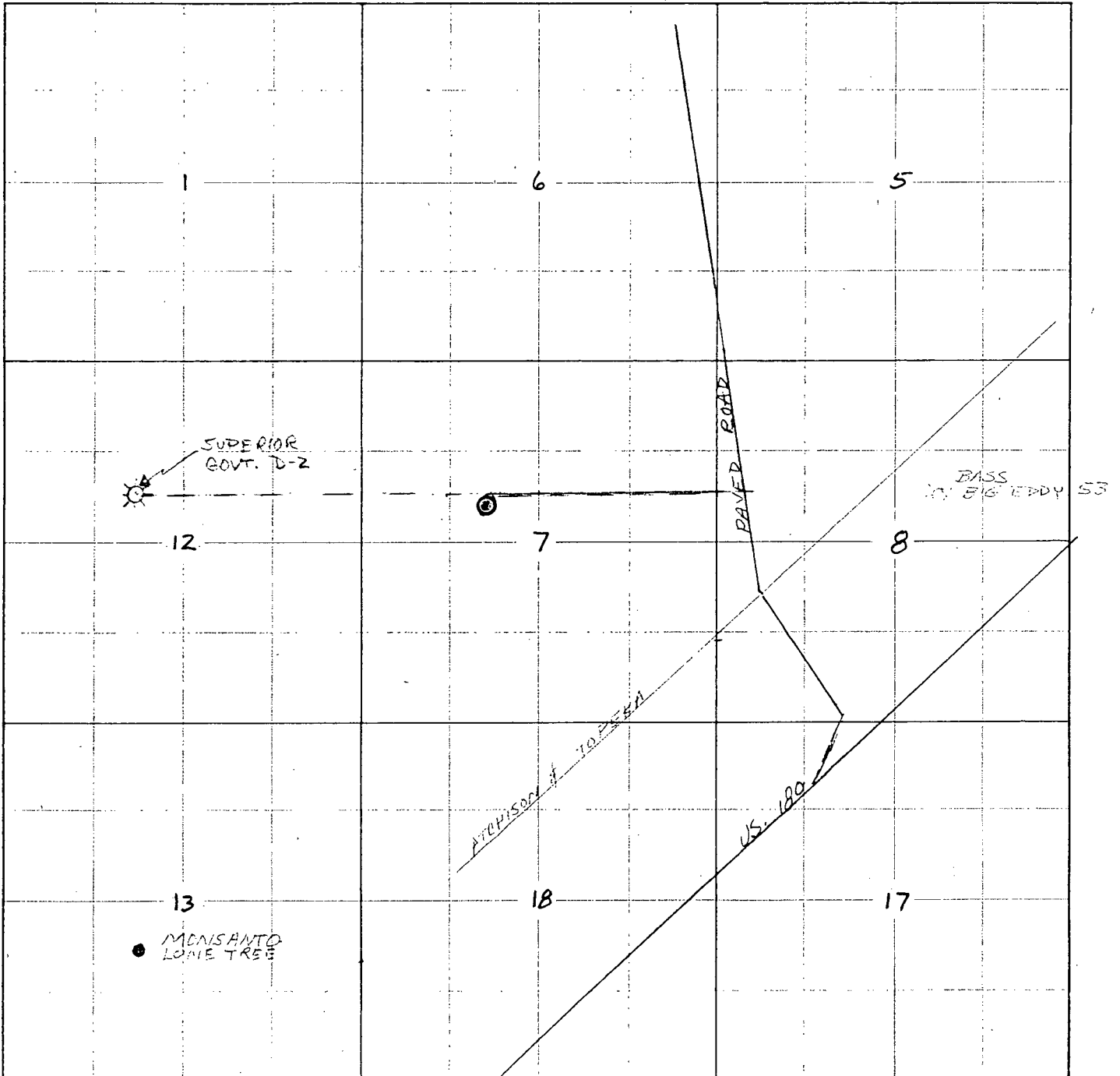


EXHIBIT "B"

TOWNSHIP 21 S RANGE 28 E COUNTY EDDY STATE NEW MEXICO



PRINTED IN U. S. A.

— Existing caliche roads

● Location

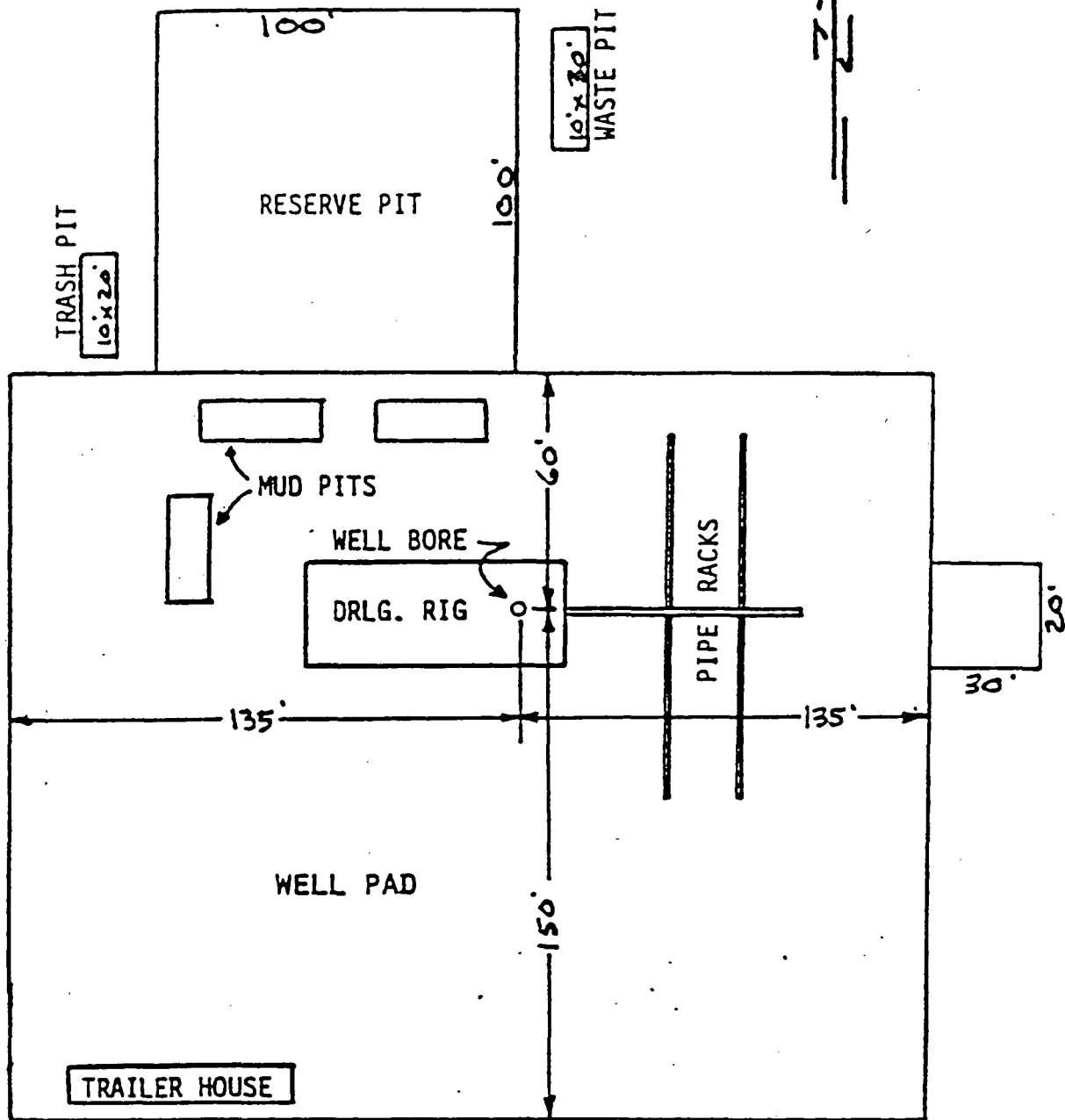
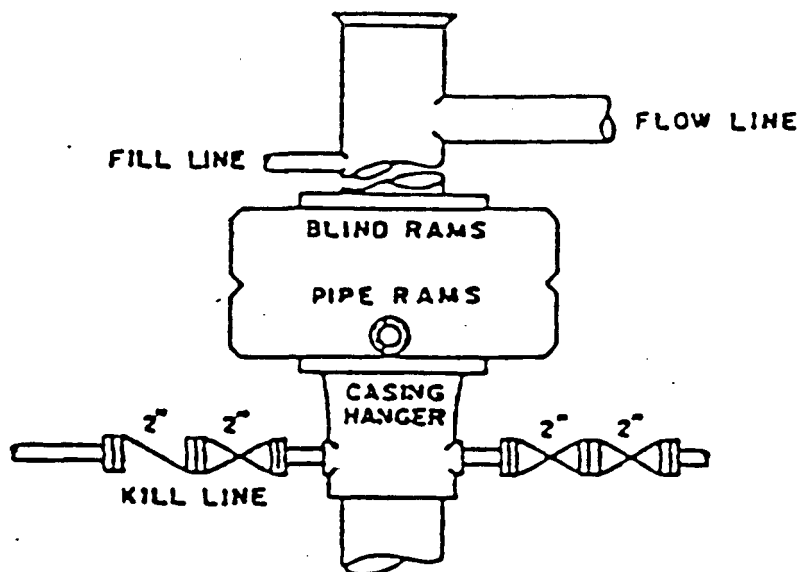


EXHIBIT "C"

AMMEX PETROLEUM, INC.

BIG EDDY WELL #92

DRILLING RIG LAYOUT
SCALE: None



BOP STACK

SERIES 600

DEPTH INTERVAL

BELOW 8-5/8" CASING SEAT

BOP ARRANGEMENT



IN REPLY
REFER TO:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88201

ESPECIAL APPROVAL STIPULATION

This APD is approved subject to the requirement that, should the well be successfully (COMPLETED FOR PRODUCTION) (~~RECOMPLETED FOR PRODUCTION IN A NEW INTERVAL~~), this office must be notified when it is placed in a producing status. Such notification may be provided ORALLY IF CONFIRMED IN WRITING and MUST BE RECEIVED IN THIS OFFICE BY NO LATER THAN THE FIFTH (5th) BUSINESS DAY NEXT FOLLOWING THE DATE ON WHICH THE WELL IS PLACED ON PRODUCTION. The notification shall provide, as a minimum, the following items:

1. Operator name.
2. Well name, number, and location.
3. Date well was placed on production.
4. The lease, or communitized tract, or unit participating area to which the well's production is attributable.



United States Department of the Interior

OFFICE OF THE SECRETARY
Minerals Management Service
ROSWELL DISTRICT

LC-060572-A

Ammer
Big Eddy #98

SPECIAL APPROVAL STIPULATIONS

THE FOLLOWING DATA IS REQUIRED ON THE WELL SIGN

AMMEX PETROLEUM, INC.
98 BIG EDDY UNIT
SE NW SEC. 7 T21S R28E
EDDY COUNTY, NM
LEASE NO-LC-060572-A

THE SPECIAL STIPULATIONS CHECK MARKED BELOW ARE APPLICABLE TO THE ABOVE-DESCRIBED WELL AND APPROVAL OF THIS APPLICATION TO DRILL IS CONDITIONED UPON COMPLIANCE WITH SUCH STIPULATIONS IN ADDITION TO THE GENERAL REQUIREMENTS. EACH PERMITTEE HAS THE RIGHT OF ADMINISTRATIVE APPEAL TO THESE STIPULATIONS PURSUANT TO TITLE 30 CFR 290.

- ☒ A. The Minerals Management Service office is to be notified at:

☐ (505) 622-1332 Roswell

☒ (505) 756-9838 Artesia

☐ (505) 393-5146 Hobbs

in sufficient time for a representative to witness:

☒ 1. Spudding

☒ 2. Cementing casing

12 3/8 inch

8 7/8 inch

5 1/2 inch

☐ 3. BOP tests

- ☒ B. At least one working day prior to constructing the well pad, access roads and/or related facilities, the operator or dirt contractor shall notify the authorized officer of the surface management agency. The surface management agency may be contacted at:

☒ BLM phone (505) 887-6544 Carlsbad, New Mexico

☐ BLM phone (505) 622-7670 Roswell, New Mexico

☐ He shall also notify the surface management agency within two working days after completion of earth-moving activities.

- ☐ C. Roads in the area of operation of this authorization will require surfacing.

- ☒ D. 12 3/8" surface casing should be set in the Rustler Anhydrite formation and cement circulated to the surface. If surface casing is set at a lesser depth, the 12 3/8" casing must be cemented from the casing shoe to the surface or cemented to the surface through a stage tool set at least 50 feet below the top of the Rustler after cementing around the shoe with sufficient cement to fill to the base of the salt section.

- ☒ E. 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.

- ☒ F. Minimum required fill of cement behind the 5 1/2" casing is to isolate all productive zones.

- ☒ G. After setting the 8 5/8" casing string and before drilling into the Delaware 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~~

- ☐ H. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the _____ 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.
 - ☒ I. A kelly cock will be installed and maintained in operable condition.
 - ☐ J. A Communitization Agreement covering the acreage dedicated to the well must be filed for approval with the Minerals Management Service, P.O. Box 26124, Albuquerque, New Mexico 87125. The effective date of the agreement must be prior to any sales.
 - ☒ K. Above ground structures, not subject to applicable safety requirements shall be painted. The paint color is to simulate:
 - ☒ Sandstone Brown, Fed. Std. 595-20318 or 30318
 - ☐ Sagebrush Gray, Fed. Std. 595-26357 or 36357
 - ☐ _____
 - ☐ L. A Gamma Ray-Compensated Neutron log is required from the base of the salt section to the surface with cable speed not to exceed 30 feet per minute.

M. Rehabilitation

- ☒ At least 3 working days prior to commencing any of the following rehabilitation activities, the operator shall notify the appropriate surface managing agency, shown in part B.
- ☒ 1. Upon the conclusion of drilling and completion operations when mud pits are dry they will be leveled, plastic will be removed and area reseeded with mixture No. 4 shown on last page of General Requirements.
- ☒ 2. Following the down-hole plugging and abandonment of all operation:
 - ☒ a. The drill pad and 0 ^{feet} miles of access road shall be ripped to a minimum of 12" in depth. Ripping shall be on the contour with rips being approximately 3 feet or less apart.
 - ☒ b. The drill site and 0 ^{feet} miles of access road will be reseeded with mixture No. 4 shown on the last page of the General Requirements.
 - ☒ c. All ripped surfaces are to be protected from vehicular travel by constructing a dead-end ditch and earthen barricade at the entrance to these ripped areas. The barricade is to be constructed using spoil material from the ditch and should be of sufficient magnitude to discourage vehicle entry.
 - ☐ d. Private Surface: Abandonment stipulations to coincide with operator-landowner agreement. (Where no agreement exists, BLM will be requested to provide abandonment stipulations.)
 - ☒ e. The surface location is to be cleaned and leveled.
- ☒ 3. Modifications in the rehabilitation stipulations made necessary by unforeseen circumstances or improvements in rehabilitation methods may be made when the Notice of Intention to Abandon is filed.
- ☒ N. Other: Reserve pit to be moved to the west, avoid Tree Draw to the east, reroute drainage around southeast part of pad if necessary.

United States Department of the Interior
BUREAU OF LAND MANAGEMENTOil and Gas
Post Office Drawer 1857
Roswell, New Mexico 88201
NEPA CATEGORICAL EXCLUSION REVIEWPROJECT IDENTIFICATION

Operator/Project Name Ammer Petroleum / #92 Big Eddy
 Project Type OIL WELL
 Project Location 2180' FNL + 1980' FWL
Section 7, T.2S., R.28 E.
 Lease Number LC-060572-A
 Date Project Submitted 11/18/83

FIELD INSPECTIONDate 11/22/83

Field Inspection B. Hunt - B.L.M.
 Participants _____

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A.	Federal or State Agency			Local and Private Correspondence	Previous BLM Documents	Other Studies and Reports	Staff Expertise	Onsite Inspection (date)	Other
	Correspondence	Phone Calls	Meetings						
1. Public health and Safety					1, 8	2, 3, 4	✓	11/22/83	
2. Unique Characteristics					1, 8	3, 4, 5, 6	✓		
3. Environmentally Controversial					1, 8	3, 4, 5	✓		
4. Uncertain and Unknown Risks					1, 8	2, 3, 4	✓		
5. Establishes Precedent					1, 8	2, 3	✓		
6. Cumulatively Significant					1, 8	2, 3	✓		
7. National Register Historic Places					8	5	✓		
8. Endangered or Threatened Species					8	5	✓		
9. Violate Federal, State, Local or Tribal Laws						2, 5, 7	✓	✓	

11/22/83
 Date Prepared

Barry W. Hunt
 Signature of Preparer

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

DEC 01 1983

DATE

Richard Bastin
 Associate DISTRICT MANAGER

References:

1. Roswell Bureau of Land Management Environmental Assessment IM 060 81 088
for Oil and Gas Leasing
2. APD- Application for Permit to Drill, Form 9-331 C and drilling plan
3. Operator's Surface Use Plan
4. Resource Evaluation memorandum
5. Bureau of Land Management no effects memorandum and concurrence,
applicable standard. stipulations
6. Archeological Report
7. BLM General Requirements for Oil and Gas operations on Federal leases
8. Related Environmental Assessments: R-445-82
9. Branch of Solids Roswell District

Special Stipulations:



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Detached Area Hdqrs.

P. O. Box 1778

Carlsbad, NM 88220

Memorandum

To: District Manager, Roswell

From: BLM Area Manager, Carlsbad Resource Area

Subject: Application for Permit to Drill (APD) (CERTIFICATION TO EA NO. NM 060 81 088)

Operator Ammex Petroleum, Inc. Certification No. N.M. 060 81 088 CC S 94
Well No. and Name #929Bij Eddy 2180 ft. from (S) (N) line and
1980 ft. from (E) (W) line of
Lease Number LC-060572-A Sec. 7 T. 21S R. 28E

Based on a review of the Surface Use and Operating Plan and the joint field examination conducted on 11/22/83, as well as consultation and/or concurrence with others, as appropriate, this office:

☒ Concurs with the approval of the APD subject to the enclosed stipulations.
☐ Does not concur for the reason(s) explained in the remarks section.

Date SUP administratively Complete 11/18/83Surface Ownership: Federal NonFederal Caliche Ownership: Federal NonFederalThe following evaluations have been made: SWSE 1/4 - 12 - T. 21S, R. 28E.

No Effect or NSE* Resources Signature of Qualified Person/Date

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	T/E Animals	<u>J. Van Dyke</u>	<u>11/22/83</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	T/E Plants	<u>J. Van Dyke</u>	<u>11/22/83</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cultural Resources	<u>J. Van Dyke</u>	<u>11/22/83</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Paleontology	<u>B. Hunt</u>	<u>11/22/83</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Floodplains/Hydrology	<u>B. Hunt</u>	<u>11/22/83</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recreation/VRM	<u>S. Adams</u>	<u>11/22/83</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wilderness/Wild & Scenic R.	<u>S. Adams</u>	<u>11/22/83</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Prime/Unique Farmlands	<u>B. Hunt</u>	<u>11/22/83</u>
<input type="checkbox"/>	<input type="checkbox"/>	Air Quality (if in or adjacent to Class I)		

*No significant effect, provided the enclosed stipulations are made a part of the appropriate APD or the mitigating measures included in the plan are properly applied. Documentation of any required consultation and/or concurrence is enclosed.

This memorandum does not substitute for the environmental assessment completed by your office.

Remarks: Stipulations: B, K (Sand Brown), M, (1-#4), (2), a-o ft., b, c, e, (3). N - Pits to be to the west, avoid Tree Draw to the east if possible, reroute drainage around southeast part of pad if necessary. The entire pad will be constructed south of the existing access road. (Pit cleared NMAS 11/4/81)

Enclosures

Mark Hallie
BLM Authorized Officer
Title Acting Area Mgr
Date 11/29/83



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Roswell District Office

P. O. Box 1397

Roswell, New Mexico 88201

IN REPLY
REFER TO:
LC-060572-A
Big Eddy #92

November 18, 1983

Memorandum

To: Chief of Operations, Branch of Fluids, Roswell District
From: Geologist, Branch of Fluids, Roswell District
Subject: Geologic Review of Application for Permit to Drill
Lease #LC-060572-A Date Received: November 18, 1983

Well Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 7, T. 21 S., R. 28 E.

Well No.: Big Eddy #92 Proposed TD: 9050 feet

Operator: Ammex Petroleum, Inc.

Our records indicate the data reviewed is consistent with the geology of the area. Additional information related to the drill site is noted below.

(1) Fresh water formations:

At less than 200 feet in dolomites of the Permian Rustler Formation, and possibly (although not likely) in the Capitan Reef. Casing depths are similar to others in the area.

(2) Other mineral bearing formations:

Salt in Rustler and Salado Formations.

(3) Known potential geologic hazards:

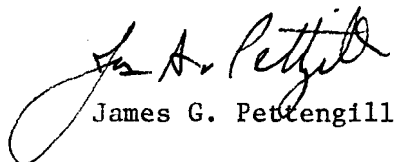
Possible lost circulation in Capitan Reef, Delaware Mountain Group, Bone Springs, and Wolfcamp. High-pressure gas possible in Wolfcamp and Delaware.

(4) Remarks:

Capitan Controlled Water Basin.

Additional Estimated formation markers:

Rustler - near surface
Top Salt 350 feet
Base Salt 1000 feet


James G. Pettengill

Operator Ammer Petroleum, Inc. Lease Name Big Eddy Well No. 9298
Location 2180 N. L. & 1980 W. Sec. 7, T. 21 S., R. 28 E., County Eddy
Lease No. LC-060572-A Lessee Ammer Petroleum Operations by Ammer Petroleum
Lease Dates & Status (5 years) 9-1-50 Producing Unit Bond Coverage Lessee
Ded. Acres 40 Com. Agr. Rqd. No Orth. Loc. Yes Gas Sales Prod. Oil
Surf. Ownership Federal SM Agency Arch. Report
APD Received 11-17-83 EA Complete APD Approved
SUP/SMA Sent 11-17-83 Returned Geol/RE Sent 11/18 Returned 11/21

TECHNICAL CHECKLIST

1. Plat
2. Elevation
3. Surface Geology
4. Type Rig
5. Proposed Depth
6. Geologic Tops
7. Ant. Water-Oil-Gas, Etc.
8. Casing Program
9. Csg. Pts. & Cmtg. Program
10. Well Control Prog. (BOP, etc.)
11. Mud Program
12. Test-Log-Core, etc. Programs
13. Abnormal Pressures & Temp., Water, and other Hazards
14. Starting Date & Duration
15. Other

ITEMS NEEDED FOR APPROVAL

- 1.
- 2.
- 3.
- 4.
- 5.

SUP CHECKLIST

- | | | |
|-------------------------------------|-----------------------------|--------------------------|
| <input checked="" type="checkbox"/> | 1. Existing Roads | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 2. Access Roads | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 3. Existing Wells | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 4. Planned Prod. Facilities | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 5. Water Supply | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 6. Construction Material | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 7. Waste Disposal | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 8. Ancillary Facilities | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 9. Wellsite Plat | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 10. Surface Restoration | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 11. Other Information | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 12. Operator's Rep's. | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | 13/ Certification | <input type="checkbox"/> |

COMMENTS: Producing Unit.

In Capital reef

Recommend for approval

D. Pilschke

10/30/83

NOTED: DELGADO
11-18-83

Gillman 11-30-83

Active
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1-17-83
11-18-83

LC 060572-A

PRODUCING UNIT

1688 Perry R. Bass LEASE RECORD CARD

Cass Enterprises Production Co. 3-5-70
Lessee: *Richardson Gils, Inc. (B.M. 7-19-67)*
Address: *W. Richardson & Perry R. Bass*
Assignee:

Lease No. *060572-A*

T *21 S* R *28 E*

Field (or) *East Carlsbad* *Within Producing Unit*

Unit area *11111111*

Allotment *Eddy - Discovery*

Date:

Form: *9-1-50* *Ed. 9-1-60*

Term: *New* *12-3-27-56*

Acres *5 years*

Rental: *1520.80*

Royalty: *No rental 2d and 3d years*

Section of Act: *12-1*

Remarks: *8-8-46*

Partial assignment from L.C. 060572, L&SO ltr. 12-11-52, effec. *8-1-52*.

Sec. 5, SW $\frac{1}{4}$
Sec. 6, Lots 14, 15, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$
Sec. 7, all
Sec. 8, NE $\frac{1}{4}$, NW $\frac{1}{4}$

(S W NE - 8 narrow)

Producing 8/16/77

Perry R. Bass By Signature well #53

Bass - Midland 684-5723

John Rogers