

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-24029

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

COQUINA OIL CORPORATION ✓

(Ph. 915-682-6271)

RECEIVED

3. ADDRESS OF OPERATOR

P. O. Drawer 2960, Midland, Texas 79702

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

At surface

2040' FNL & 760' FWL of Sec. 33-23S-31E

At proposed prod. zone
same

DEC 1-8 1981

O. C. D.
ARTESIA, OFFICE

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

28½ air miles east-southeast of Carlsbad, N. M.

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

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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

-

19. PROPOSED DEPTH

15,000 Morrow

20. ROTARY OR CABLE TOOLS

Rotary

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

3383 G. L.

22. APPROX. DATE WORK WILL START*

February 1, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26 "	20"	94#	600'	Circulate cement to surface
17½"	13 3/8"	54.5, 61#	4150'	Circulate cement to surface
12¼"	9 5/8"	43.5, 47#	12400'	1000 sacks
8½"	7 5/8" liner	39#	12000-14300'	Circulate cement behind liner
6½"	5" liner	11#	13900-15000'	Circulate cement behind liner

After setting and cementing production liner, pay interval will be perforated and stimulated as needed for production.

Attached are: 1. Well Location & Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

Gas is not dedicated.

RECEIVED
NOV 13 1981

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone, if proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical blowout preventer program, if any.

24.

SIGNED

James A. Knauf
James A. Knauf

TITLE

Agent

DATE

November 6, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

12-14-81

CONDITIONS OF APPROVAL, IF ANY:

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
 Supersedes O-101
 Effective 1-1-65

All distances must be from the outer boundaries of the Section

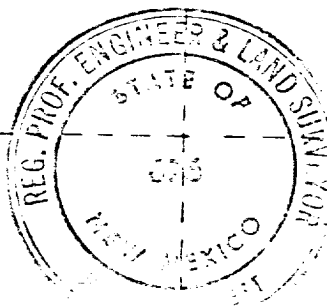
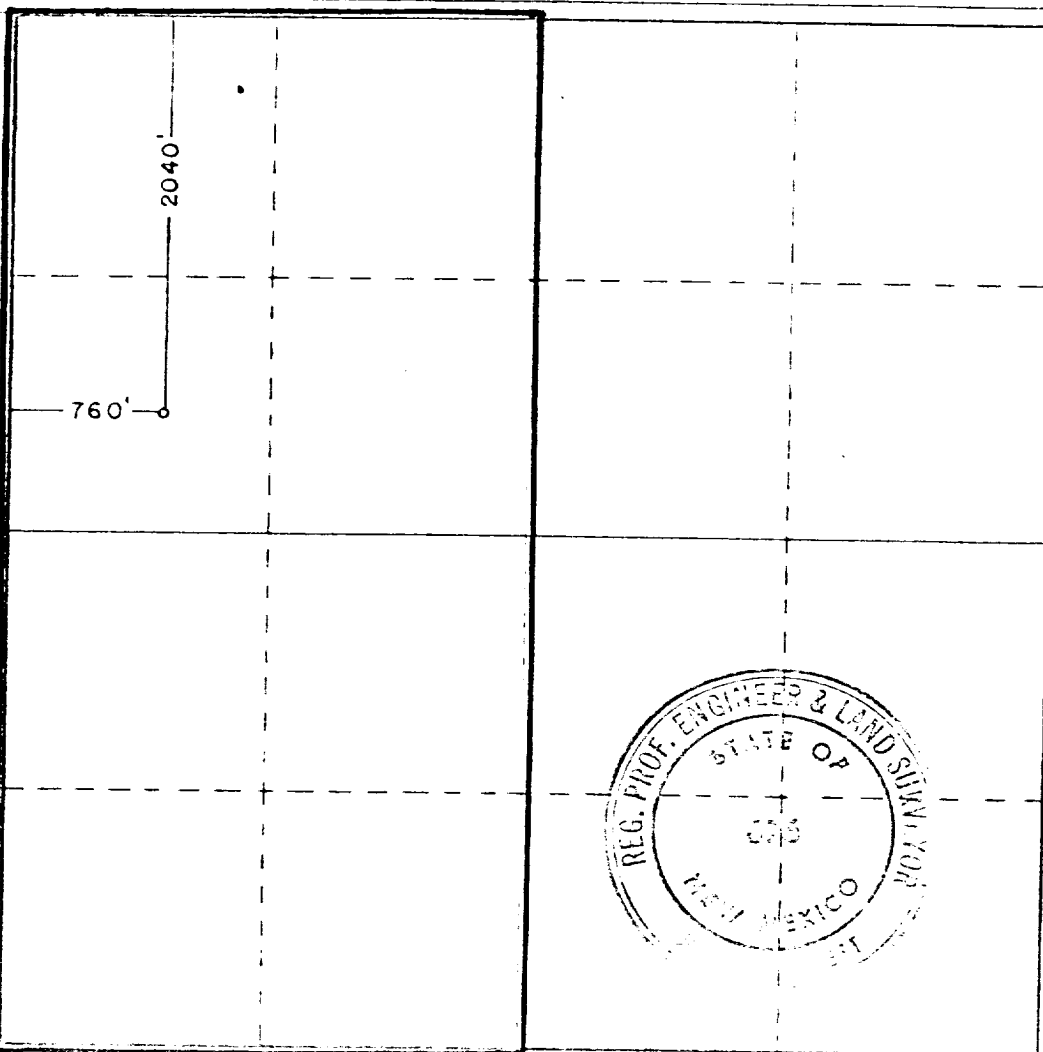
Owner COQUINA OIL CORP.			Lease PURE GOLD "F" <i>Federal</i>		Acres 1
Section Letter E	Section 33	Township 23 SOUTH	Range 31 EAST	County EDDY	
Actual Surface Location of Well:					
2040	feet from the	NORTH	line and	760	feet from the
					WEST
Ground Level Elev. 3382.8	Producing Formation Morrow		Producing Formation Undesignated		Dedication Acres 320
West Sand Dunes Morrow					

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). **Federal oil & gas lease NM-45236 is the only lease involved.**
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.	
<i>James A. Knauf</i>	
Name James A. Knauf	
Position Agent	
Company COQUINA OIL CORPORATION	
Date November 6, 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 10-2-81	
Registered Professional Engineer and/or Registered Surveyor <i>John H. Hester</i>	
Certification No. JOHN H. HESTER 678 PATRICK A. ROVERO 8433 BOB L. ELLIS 3235	



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~Geological Survey~~
South Central Region
P.O. Box 26124
Albuquerque, New Mexico 87125

DEC 14 1981

Coquina Oil Corporation
P.O. Drawer 2960
Midland, Texas 79702

Gentlemen:

Your application for Permit to Drill well No. 1 Pure Gold "F" Federal in the SW¹/₄NW¹/₄ sec. 33, T. 23 S., R. 31 E., Eddy County, New Mexico, lease NM-45236, to a depth of 15,000 feet to test the Morrow formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the District Supervisor, Geological Survey, Roswell, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

(ORIG. SSG.) MICHAEL F. REITZ

FOR : Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosure

cc:
NMOCD (2) ✓
BLM - Carlsbad
CM, SCR
DCM - Mining (2)
Regional Files (2)
Roswell
Artesia
ARF
RCF

JAGillham:mvd:11/13/81

SUPPLEMENTAL DRILLING DATA

COQUINA OIL CORPORATION
WELL #1 PURE GOLD "F" FEDERAL
SW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 33-23S-31E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soils of Quaternary Age.

2. ESTIMATED GEOLOGIC TOPS:

Lamar	4100'	Wolfcamp	11300'
Delaware	4150'	Strawn	13100'
Cherry Canyon	5050'	Atoka	13350'
Brushy Canyon	6300'	Morrow	13900'
Bone Spring	7950'	Barnett	14900'

3. POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Water: Above 300'
Oil: Cherry Canyon
Gas: Wolfcamp, Atoka, Morrow

4. PROPOSED CASING PROGRAM:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>Condition</u>
20"	0- 600'	94#	H-40	STC	New
13 3/8"	0- 1700'	54.5#	K-55	STC	New
	1700- 4150'	61#	K-55	STC	New
9 5/8"	0- 9600'	43.5#	S-95	LTC	New
	9600-12400'	47#	S-95	LTC	New
7 5/8"	1200-14300'	39#	S-95	FL4S	New
5"	13900-15000'	18#	N-80	FL4S	New

5. PRESSURE CONTROL EQUIPMENT:

- 600- 4150' An annular-type preventer rated to 1500 psi.
- 4150-12400' An annular-type and two ram-type preventers rated to 5000 psi (see Figure 1).
- 12400-15000' An annular-type and three ram-type preventers rated to 5000 psi (see Figure 2).

6. PROPOSED MUD PROGRAM:

- 0- 600' Spud mud w/paper added to control seepage. Add LCM as necessary if loss of circulation becomes a problem.
- 600- 4150' Drill w/saturated brine water.
- 4150-12400' Drill w/cut brine water, mudding up as hole conditions dictate.
- 12400-14300' Drill w/brine increasing weight as hole conditions dictate.
- 14300-15000' Drill w/brine water.

7. AUXILIARY EQUIPMENT:

- A. Kelly cock in kelly.
- B. Full-opening valve on rig floor in open position at all times ready to be stabbed into drillpipe if necessary.
- C. Rotating drilling head.

8. TESTING, LOGGING AND CORING PROGRAMS:

- A. Possible DST's in Wolfcamp, Atoka, and Morrow.
- B. No coring is planned.
- C. CNL-FDC w/GR and caliper; DIL w/Rxc, 4150' to TD.

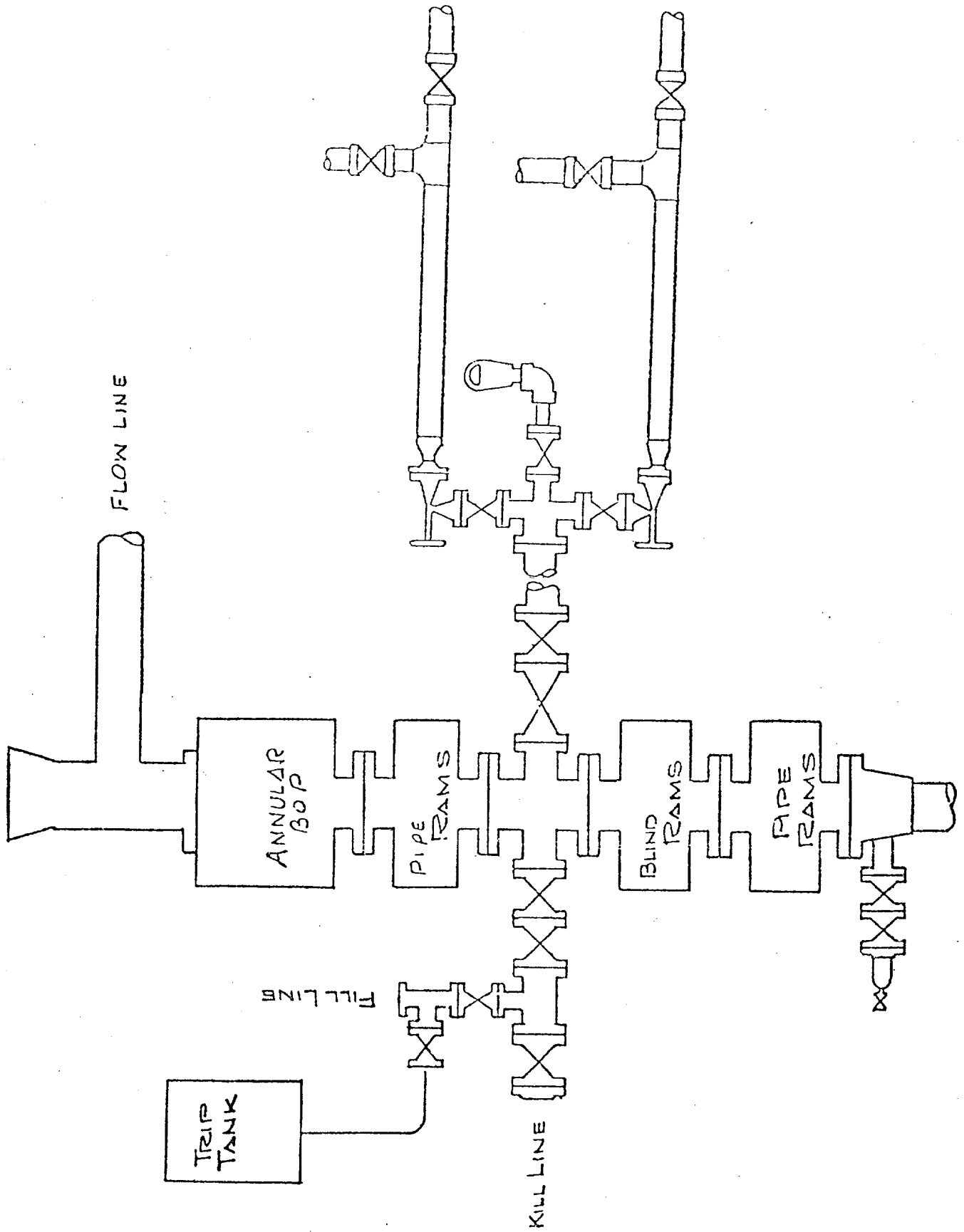
9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS: Sufficient material will be kept on location to increase mud weight to handle anticipated pressures. The Wolfcamp and/or Atoka may be abnormally pressured.

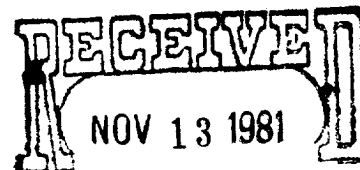
10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

- A. Road and pad construction: February 1, 1982
- B. Spud well: February 15, 1982
- C. Duration of drilling and completion operations should be about 120-150 days.



BLOWOUT PREVENTER SPECIFICATION





OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

SURFACE USE PLAN

FOR

DRILLING, COMPLETING AND PRODUCING

COQUINA OIL CORPORATION
WELL #1 PURE GOLD "F" FEDERAL
2040' FNL & 760' FWL SEC. 33-23S-31E
EDDY COUNTY, NEW MEXICO

LOCATED: 28½ air miles east-southeast of Carlsbad, N. M.

FEDERAL LEASE NUMBER: NM-45236

LEASE ISSUED: 8-1-81 for a primary term of 5 years.

RECORD LESSEES:

- .3750 Coquina Oil Corporation
- .3750 Pogo Producing Company
- .0833 Florida Exploration Company
- .0833 ACF Petroleum Company
- .0833 Chessie Exploration, Inc.

OPERATOR'S AUTHORITY: Designation of Operator from other lessees.
(To be submitted under separate cover.)

BOND COVERAGE: Lessees' \$150,000 nation-wide bonds.

ACRES IN LEASE: 640 acres

SURFACE OWNERSHIP: U. S. Government

GRAZING PERMITTEE: Charlie James
1207 W. Riverside Drive, Carlsbad, N. M. 88220

SPACING: 320-acre, Undesignated West Sand Dunes Morrow

EXHIBITS:

- A. County Road Map
- B. Topographic Map
- C. Oil & Gas Map
- D. Sketch of Well Pad

ROAD LOG TO PROPOSED DRILLSITE

STARTING POINT is east-southeast of Carlsbad, New Mexico on State Highway NM-128 at Mile Post 13.68 which is 13.68 miles east of the intersection of NM-128 and NM-31. This point is 5.28 highway miles northwest of the Lea-Eddy County line.

- 0.00 Turn south through cattleguard and follow oilfield road in a southerly direction for a distance of 1.82 miles.
- 1.82 New road will start at this point. Turn left (east) and proceed in an easterly direction for a distance of 0.10 mile to the southwest corner of the proposed well pad.
- 1.92 PROPOSED DRILLSITE (Well #1 Pure Gold "F" Federal).

THIRTEEN POINT PROGRAM

- 1. EXISTING ROADS: Existing roads, which lead to the proposed drillsite, are shown on Exhibits "A" & "C".
- 2. PROPOSED NEW ROAD: Proposed new access road will be 0.10 mile in length. Exhibit "C" shows proposed route which will originate at mileage-1.82 on the road log and will terminate at the southwest corner of the proposed drill pad. The center of the proposed new road has been staked and flagged.
 - A. Width: 16 feet with 30-foot R-O-W. (Deep sand area.)
 - B. Surfacing Material: The new road will be surfaced with caliche.
 - C. Maximum Grade: Less than one percent.
 - D. Turnouts: None necessary.
 - E. Road Design: The new road, which is in a deep sand area, will be constructed by blading a 24-30' roadway and surfacing a 16' driving area with 6-7" caliche.
 - F. Culverts: None necessary.
 - G. Gates, Cattleguards: None necessary.
- 3. LOCATION OF EXISTING WELLS: Existing wells in the vicinity of the proposed drillsite are shown on Exhibit "C".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. This is a non-producing lease and there are no production facilities on the leasehold.
- B. If the well is productive, production and storage facilities will be located on the well pad.

5. LOCATION AND TYPE OF WATER SUPPLY: It is not planned to drill a water supply well. Water for leasehold operations will be purchased from a commercial water hauler.

6. SOURCE OF CONSTRUCTION MATERIALS: Material for construction of the proposed new road and well pad will be obtained from an existing Federal pit located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 4-24S-31E. This pit was cleared by New Mexico Archaeological Services, Inc. on November 4, 1981.

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 the pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits.
- D. Oil produced during tests will be produced into temporary test tanks.
- E. Trash, waste paper, garbage, and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".
- G. All trash and debris will be buried or removed from the wellsite within 30 days after finishing each drilling and/or completion operation.

8. ANCILLARY FACILITIES: None anticipated.

9. WELLSITE LAYOUT:

- A. The wellsite has been surveyed and a 600' x 400' area has been staked and flagged.

- B. The dimensions and relative location of the drill pad, mud pit, and trash pit with respect to the well bore are shown on Exhibit "D".
- C. The well pad area is nearly level and will hardly need any cut or fill except for the small sand dunes which will need leveling.
- D. The well pad will be surfaced with caliche.

10. PLANS FOR RESTORATION OF THE SURFACE:

- 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 to leave the wellsite in as aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the BLM will be complied with and accomplished as expeditiously as possible.

11. OTHER INFORMATION:

- A. Topography: The undisturbed wellsite elevation is 3382.8 feet. The terrain of the location is sandy and hummocky and will need leveling but the well pad area has very little general slope. Regional slope is to the west toward Nash Draw.
- B. Soil: Top soil at the wellsite is sand.
- C. Land Type & Use: The vicinity surrounding the drillsite is semi-arid rangeland and its primary use is for grazing.
- D. Flora: Vegetative cover is sparse. Flora consists primarily of sage interspersed with mesquite, shinnery and other desert plants.
- E. Fauna: No wildlife was observed, however fauna for this type of habitat usually consists of lizards, snakes, rabbits, rodents, coyotes, skunks, quail, dove, and other small birds.
- F. Ponds & Streams: None.
- G. Water Wells: Nearest water well is 1½ miles to the northwest.
- H. Residences & Other Structures: Nearest occupied dwelling is 4½ miles to the northwest.

- I. Archaeological, Historical & Cultural Sites: A reconnaissance of the 600' x 400' area and proposed new road was made by New Mexico Archaeological Services, Inc. on October 10, 1981 and no sites were found.
- J. Surface Owner: U. S. Government with grazing rights issued to Mr. Charlie James, 1207 W. Riverside Drive, Carlsbad, N. M. 88220.
12. OPERATOR'S REPRESENTATIVE: Representative responsible for assuring compliance with the approved Surface Use Plan:

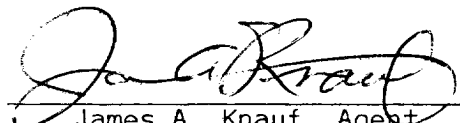
Drilling
Bill Priebe
Drilling Manager
P. O. Drawer 2960
Midland, Texas 79702
915-682-6271, Office
915-694-9706, Home

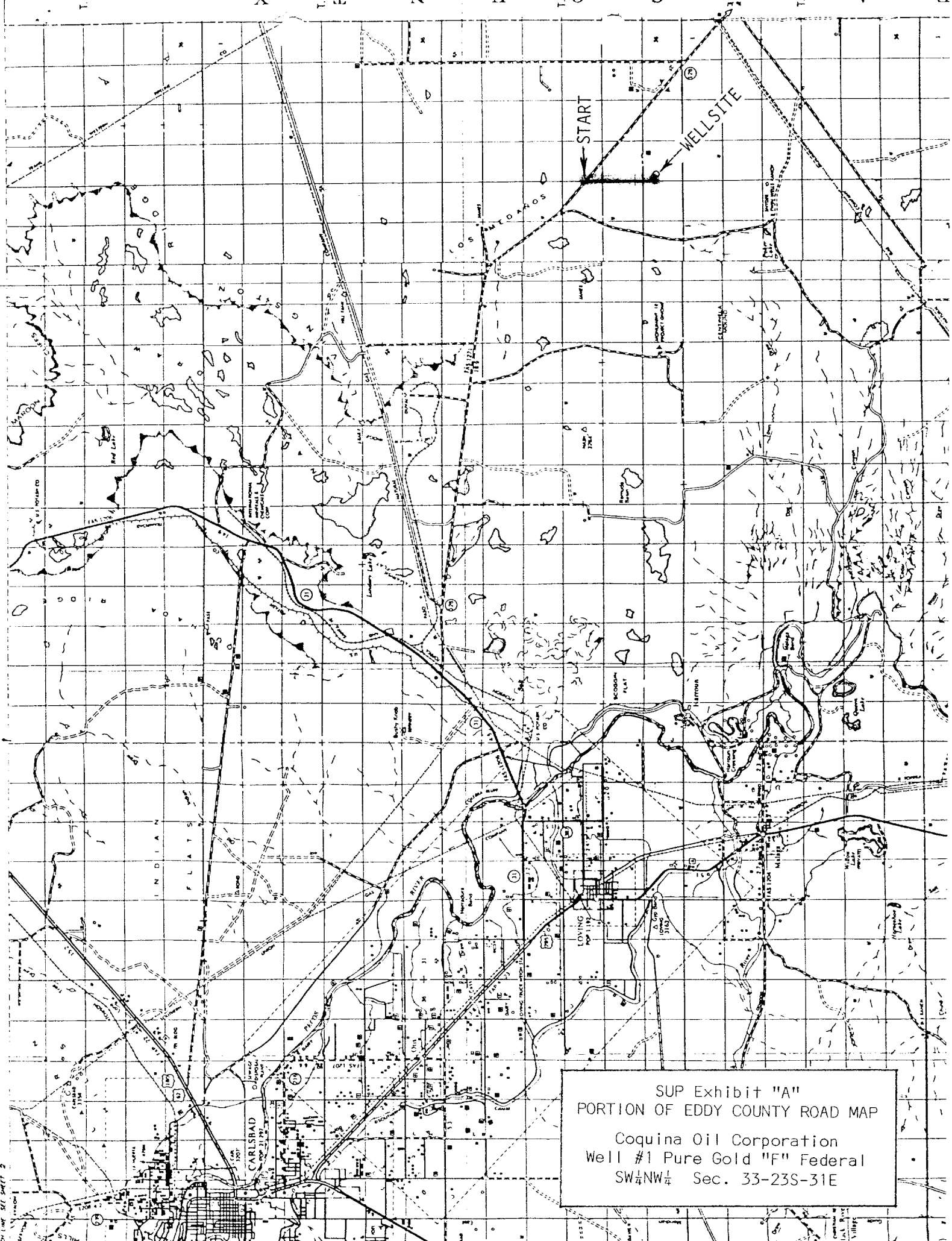
Production
Leroy Collins
Production Superintendent
905 West Avenue F
Lovington, New Mexico 88260
505-396-2613, Office
505-396-5251, Home

13. CERTIFICATION:

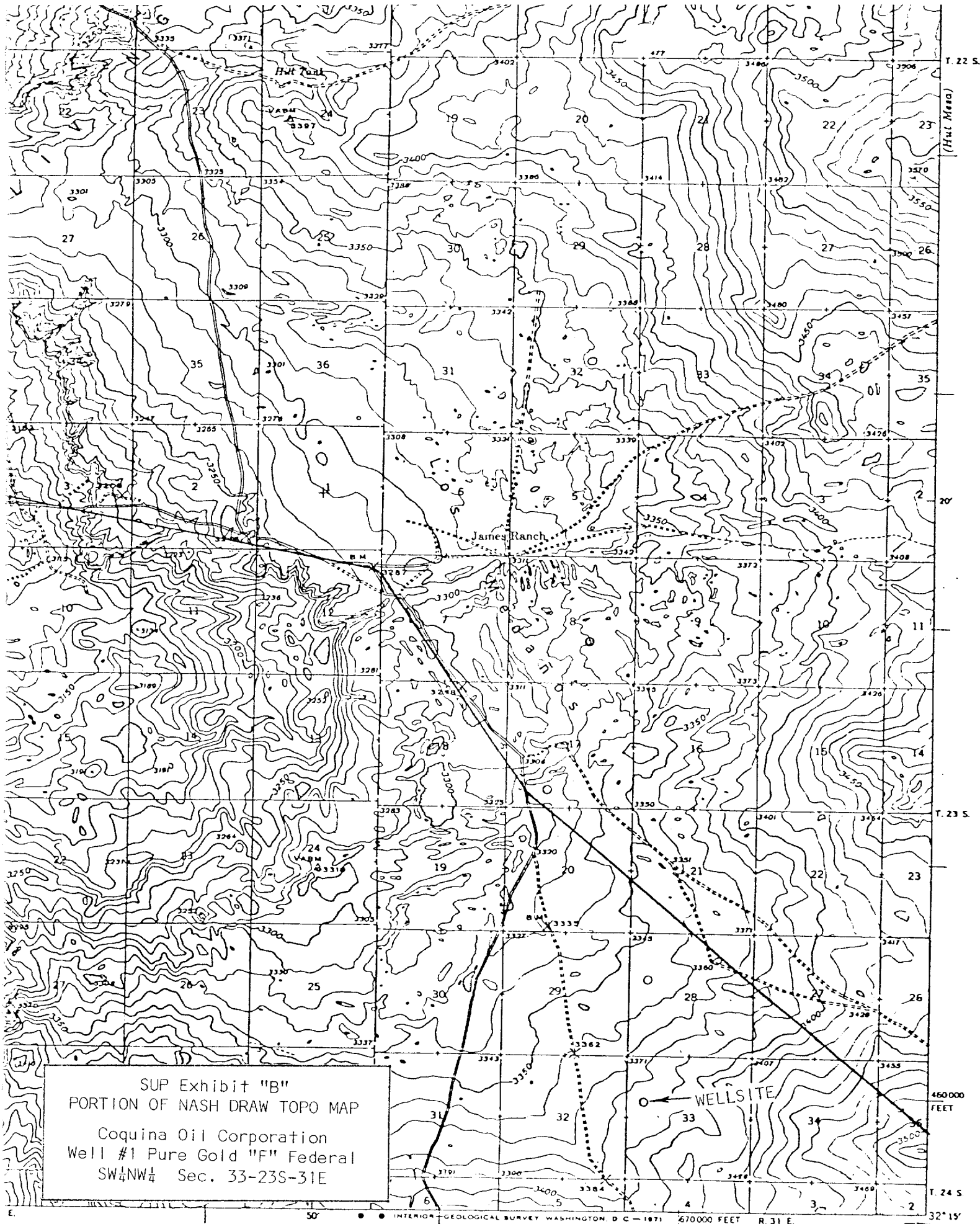
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by COQUINA OIL CORPORATION and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

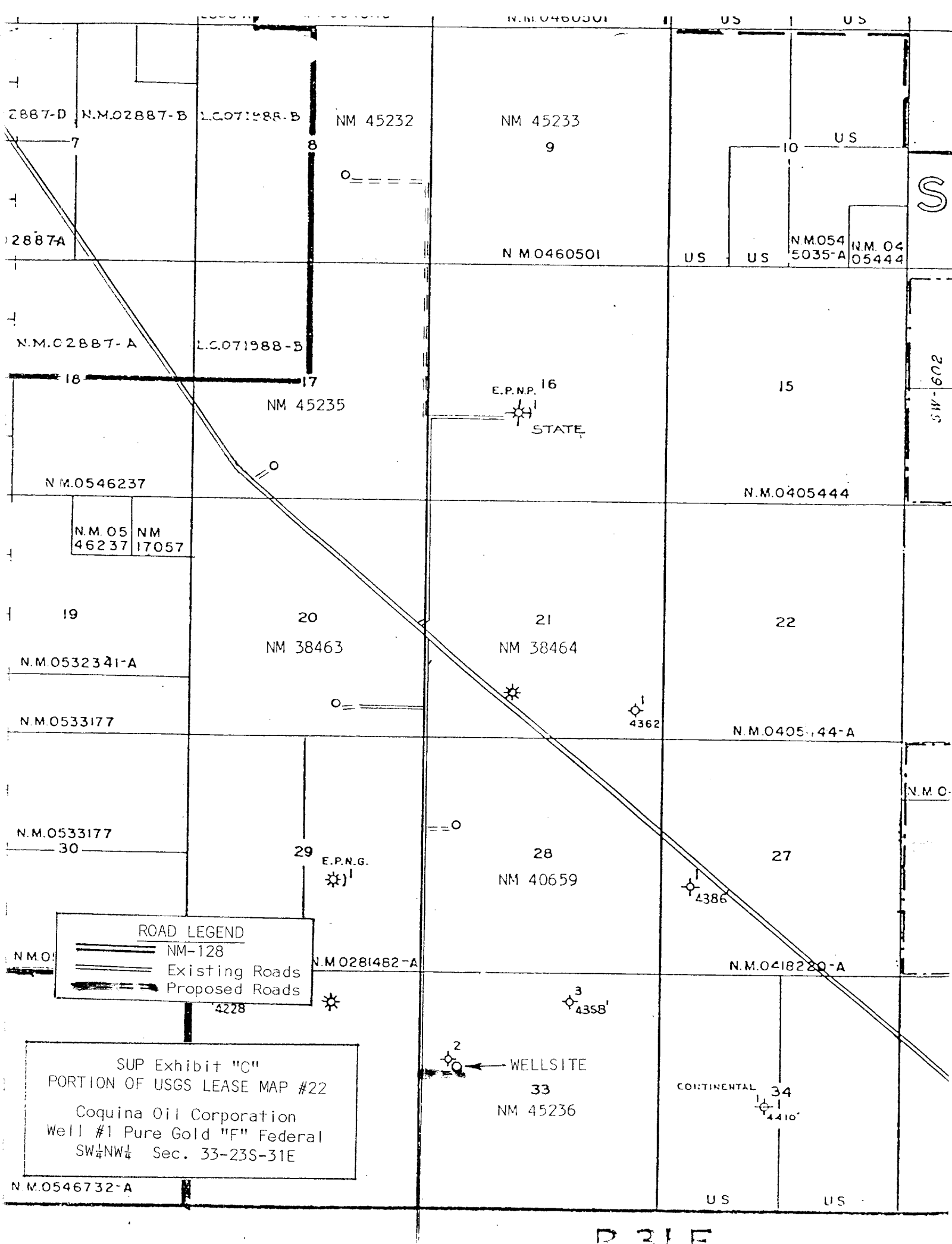
November 6, 1981
Date

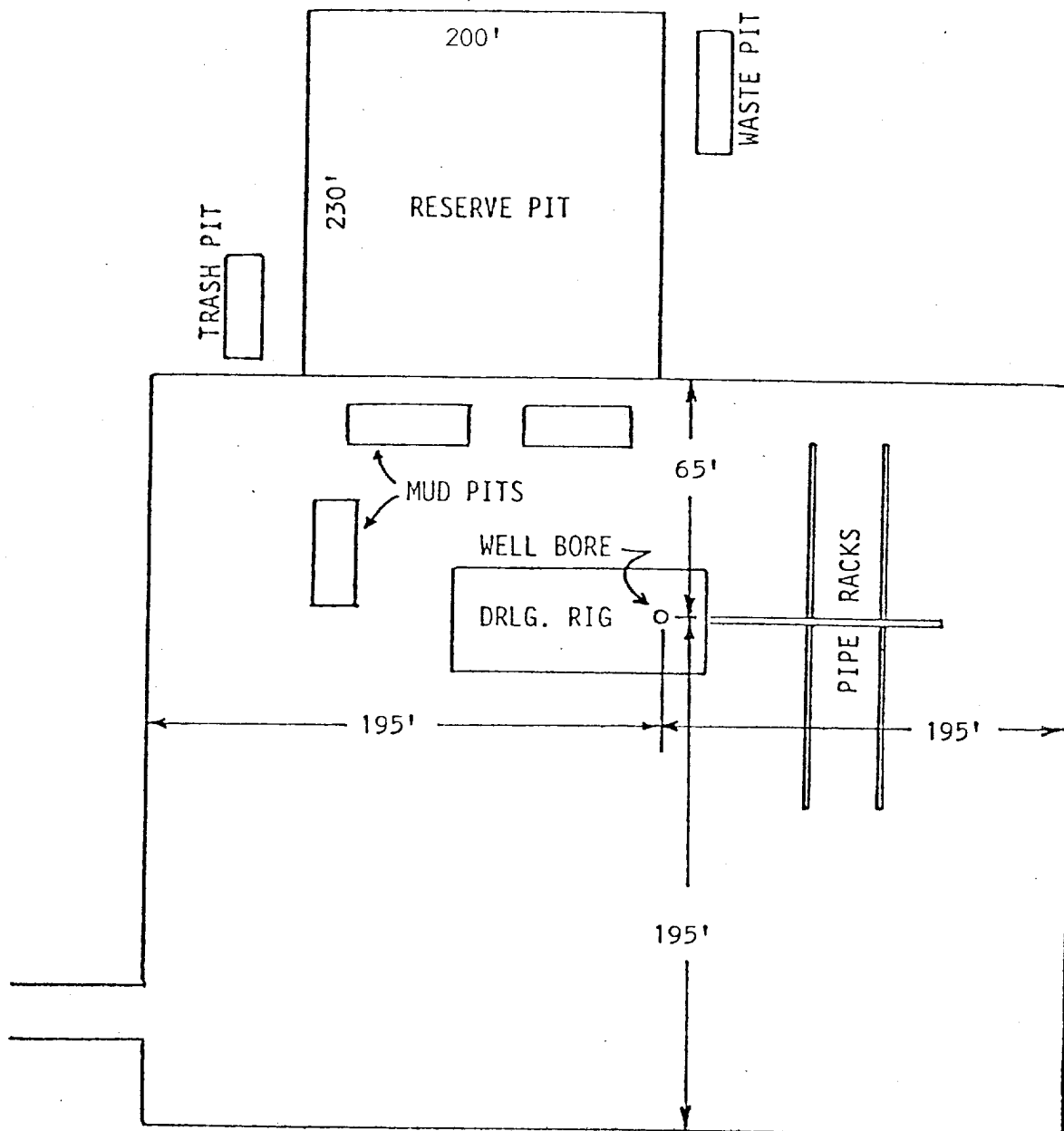

James A. Knauf, Agent
COQUINA OIL CORPORATION



SUP Exhibit "A"
PORTION OF EDDY COUNTY ROAD MAP
Coquina Oil Corporation
Well #1 Pure Gold "F" Federal
SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-23S-31E







SUP Exhibit "D"
 SKETCH OF WELL PAD
 Coquina Oil Corporation
 Well #1 Pure Gold "F" Federal
 SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-23S-31E