

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

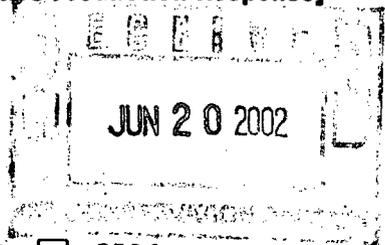
- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR

- [D] Other: Specify \_\_\_\_\_



[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply**

- [A]  Working, Royalty or Overriding Royalty Interest Owners  
 [B]  Offset Operators, Leaseholders or Surface Owner  
 [C]  Application is One Which Requires Published Legal Notice  
 [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F]  Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

C y Cowan  
 Print or Type Name

*Cy Cowan*  
 Signature

Regulatory Agent  
 Title

6/18/02  
 Date

\_\_\_\_\_  
 e-mail Address

MARTIN YATES, III  
1912 - 1985  
FRANK W. YATES  
1936 - 1986



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (505) 748-1471

S. P. YATES  
CHAIRMAN OF THE BOARD  
JOHN A. YATES  
PRESIDENT  
PEYTON YATES  
EXECUTIVE VICE PRESIDENT  
RANDY G. PATTERSON  
SECRETARY  
DENNIS G. KINSEY  
TREASURER

June 18, 2002

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

**Certified Mail**  
Return Receipt Request

RE: Application for Unorthodox Location  
Zingaro ANG Federal #5  
710' FSL and 2050' FWL  
Section 1, T22S-R23E  
Eddy County, New Mexico

Dear Mr. Stogner

Yates Petroleum Corporation respectfully requests administrative approval for the captioned Indian Basin Upper Penn well.

The Zingaro ANG Federal #5 was originally located at 660' FSL and 1500' FWL was moved to the captioned unorthodox location on a recommendation by contract archaeologist to avoid an archaeological site.

Yates Petroleum Corporation is the offset operator to the east therefore Yates requests administrative approval for this unorthodox location at your earliest convenience. We also wish this approval to cover the following formations being the Undesignated Indian Basin Morrow, Wildcat Strawn, Wildcat Atoka, and Wildcat Wolfcamp.

Enclosed please find our Administrative Application CheckList and supporting information.

Should you need anything further please advise.

Thank you,

Very truly yours,

YATES PETROLEUM CORPORATION

  
Cy Cowan  
Regulatory Agent

/cyc

NEW MEXICO OIL CONSERVATION DIVISION

SUBMITTAL GUIDELINES FOR ADMINISTRATIVE APPROVAL  
OF NON-STANDARD LOCATION APPLICATIONS

- I. If the well is located on Federal or Indian Lands, the Federal Surface Management Agency must be notified and an on-site inspection conducted prior to filing the application. If an Application for Permit to drill or a Notice of Staking has been prepared, a copy must be submitted.
- II. Completed C-102 showing the well location, proration unit, leases within the unit and other required information.
- III. Land plat showing offset operators and working interest owners and any offsetting wells producing from the same pool or formation.
  - A. This information may be shown on the topo map if it does not impair the readability of the map.
  - B. The operator should certify that the information is current and correct. *THIS INFORMATION IS CORRECT.*
- IV. Original or clear copy of topographic map, preferably 7.5 minute quad, showing contours and other mapped features impacting the location, with the following information marked thereon (In order to be able to adequately show all of the necessary surface conditions it may be necessary to enlarge the relevant portion of the topo map to provide room for detail):
  - A. The proposed well location and proration unit;
  - B. An outline of the orthodox drilling windows as provided in the applicable rules for the subject application;
  - C. The location of any wells to any formation within the area of the proration unit and a statement as to whether an existing pad can be used to drill the proposed well;
- V. An enlargement of the topo map showing the subject area with the applicable additional information:
  - A. Terrain features not shown on the map which make an orthodox location unusable;
  - B. Proposed access roads and pipelines if they affect the location selection; *N/A*
  - C. The location of any surface uses which prevent use of a legal location; *N/A*

- D. The location of any archeological sites identified in the archeological survey; *See V-D. Topo MAP*
- E. The location and nature of any other surface conditions which prevent the use of an orthodox location. *N/A*

VI. If archeological sites are a reason for the unorthodox location request, a copy of the archeological survey, or a summary, identifying sites which cannot be disturbed or which must have any disturbance mitigated. In addition, the location of such areas should be marked on the enlarged topo so they can be clearly identified. *Arc Report attached*

VII. A narrative report of any on-site inspection of the potential locations. If such on-site has resulted in elimination of legal locations due to surface conditions, such information should also be noted on the enlarged topo.

VIII. A statement of why directional drilling to reach a legal bottom-hole location is not feasible. *N/A See ARC Report*  
*Information Not Available.*

IX. An affidavit that notice has been sent to all parties entitled thereto, under the Divisions Rules and Regulations with return receipt cards showing date of receipt of notice.

*Moving this location to the east is moving toward a Yates Petroleum Corporation Lease. See III.*

*Thank  
you!*  


Form 3160-3  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



0  
OMB No. 1004-0136  
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work:  DRILL  REENTER

b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

5. Lease Serial No.  
**NM-92742**

6. If Indian, Allottee or Tribe Name  
**Not Applicable**

7. If Unit or CA Agreement, Name and No.  
**Not Applicable**

8. Lease Name and Well No.  
**Zingaro ANG Federal #5**

9. API Well No.

2. Name of Operator  
**Yates Petroleum Corporation**

3A. Address **105 South Fourth Street  
Artesia, New Mexico 88210**

3b. Phone No. (include area code)  
**(505) 748-1471**

10. Field and Pool, or Exploratory  
**Indian Basin Upper Penn Associated**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface **710' FSL & 1950' FWL <sup>2050'</sup> PM SN (RH)**  
At proposed prod. Zone **same as above**

11. Sec., T., R., M., or Blk, and Survey or Area  
**Section 1, T22S-R23E**

14. Distance in miles and direction from nearest town or post office\*  
**Approximately 30 miles NW of Carlsbad, New Mexico**

12. County or Parish  
**Eddy**

13. State  
**NM**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **710'**

16. No. of Acres in lease **1318.25**

17. Spacing Unit dedicated to this well  
**W/2 320.00**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. **2800'**

19. Proposed Depth **9700'**

20. BLM/BIA Bond No. on file  
**585997**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**3921' GR**

22. Approximate date work will start\*  
**ASAP**

23. Estimated duration  
**45 Days**

24. Attachments **Roswell Controlled Water Basin**

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized office.

25. Signature Name (Printed/Typed) **Cy Cowan** Date **1/30/02**

Title: **Regulatory Agent**

Approved by (Signature) Name (Printed/Typed) **Joe G. Lara** Date **5/29/02**

Title **Acting FIELD MANAGER** Office **CARLSBAD FIELD OFFICE**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

**APPROVAL FOR 1 YEAR**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED**

FILE COPY

District I  
1625 N. French Dr. Hobbs, NM 88240

District II  
511 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87506

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-102  
Revised March 17, 1999  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, N M 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Indian Basin Upper Penn Associated
Property Code	Property Name	Well Number
	ZINGARO "ANG" FEDERAL	5
OGRID No.	Operation Name	Elevation
025575	YATES PETROLEUM CORPORATION	3920

Surface Location

UL or Lot No.	Section	Township	Range	Lot lbs.	Feet from the	North/South line	Feet from the	East/West line	County
N	1	22-S	23-E		710	SOUTH	2050	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot lbs.	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acrea	Joint or Infill	Consolidation Code	Order No.						
320									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

NM-92742

1650'

710'

2050'

0591'

#4

**OPERATOR CERTIFICATION**

I HEREBY CERTIFY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Cy Cowan*

Signature

Printed Name Cy Cowan

Title Regulatory Agent

Date May 9, 2002

**SURVEYOR CERTIFICATION**

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.

APRIL 17, 2002

Date of Survey

D. N. R. REDD

Signature and Seal of Professional Surveyor

NEW MEXICO

5412

REGISTERED PROFESSIONAL SURVEYOR

Certificate

# MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Yates Petroleum Corporation

Zingaro "ANG" Federal #5

710' FNL & 2050' FWL

Sec. 1-T22S-R23E

Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

## 1. EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed well site is located approximately 30 miles northwest of Carlsbad, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

## DIRECTIONS:

Go north of Carlsbad on Highway 285 to Highway 137. Turn west on Highway 137 and go approximately 14.3 miles. At this point you will cross a cattle guard. Immediately past the cattle guard turn right on an existing caliche road. Follow caliche road for approximately 0.6 of a mile. The new road will start here going northwest.

## 2. PLANNED ACCESS ROAD

The new access will be approximately 0.2 of a mile in length from the point of origin to the southwest corner of the well pad.

## 3. LOCATION OF EXISTING WELL

- A. There is drilling activity within a one-mile radius of the well site.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed well site.

## 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

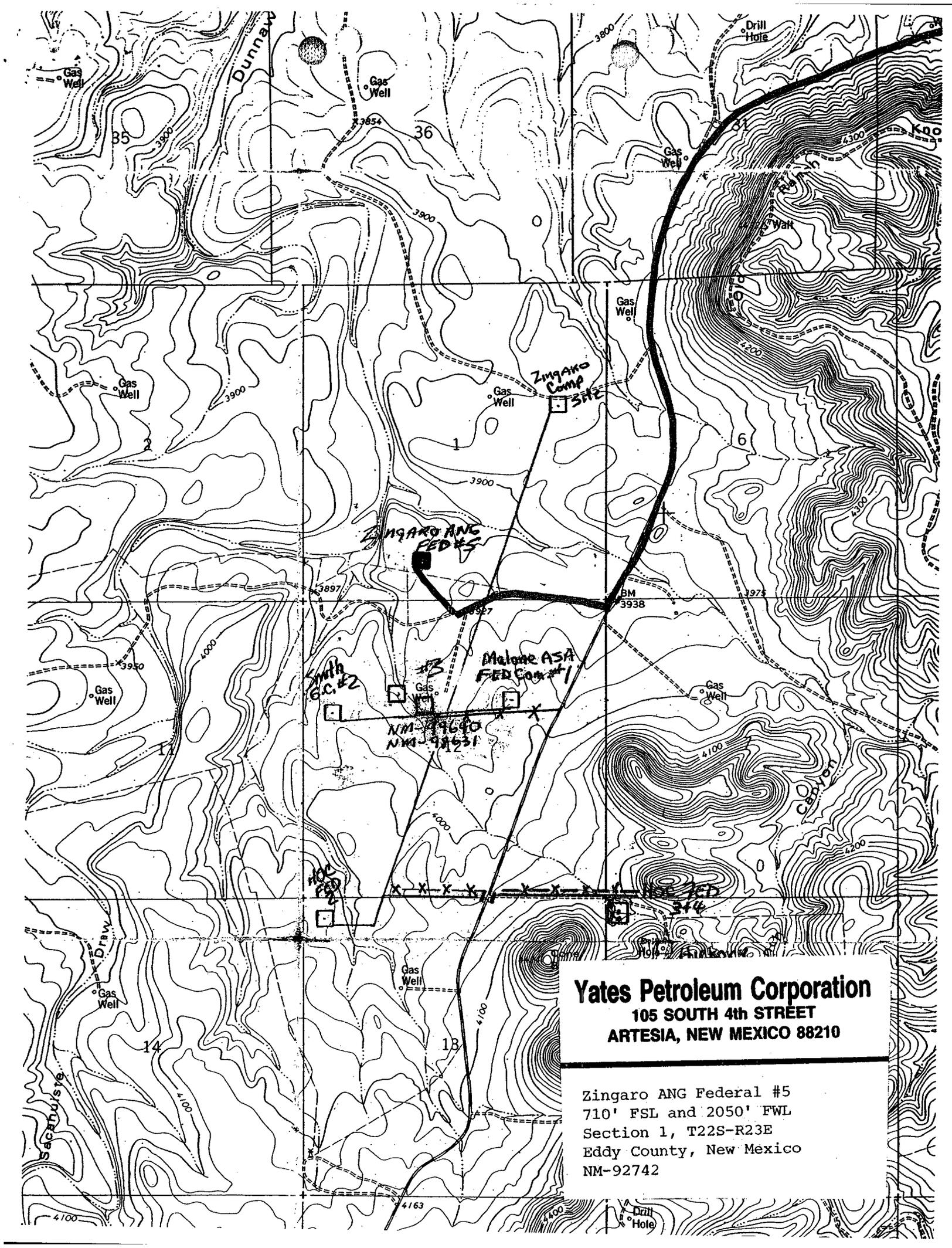
- A. There are production facilities on this lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

## 5. LOCATION AND TYPE OF WATER SUPPLY:

- A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

## 6. SOURCE OF CONSTRUCTION MATERIALS:

The dirt contractor will locate closest pit and will obtain any permits and materials needed for construction.



**Yates Petroleum Corporation**  
105 SOUTH 4th STREET  
ARTESIA, NEW MEXICO 88210

Zingaro ANG Federal #5  
710' FSL and 2050' FWL  
Section 1, T22S-R23E  
Eddy County, New Mexico  
NM-92742

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not approved.

8. ANCILLARY FACILITIES: None.

9. WELLSITE LAYOUT:

- A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
- B. The reserve pits will be plastic lined.
- C. A 400' x 400' area has been staked and flagged.

10. PLANS FOR RESTORATION

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the well site in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level after they have evaporated and dried.

11. SURFACE OWNERSHIP: Federal Surface, Administered by the Bureau of Land Management, Carlsbad, New Mexico.

12. OTHER INFORMATION:

- A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
- B. The primary surface use is for grazing.

13. OPERATOR'S REPRESENTATIVE

A. Through A.P.D. Approval:

Cy Cowan, Regulatory Agent  
Yates Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210  
Phone (505) 748-1471

B. Through Drilling Operations,  
Completions and Production:

Pinson McWhorter, Operations Manager  
Yates Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210  
Phone (505) 748-1471

14. 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 Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/30/2002

  
\_\_\_\_\_  
Regulatory Agent

**YATES PETROLEUM CORPORATION**  
**Zingaro "ANG" Federal #5**  
**710' FSL & 1950' FWL**  
**Sec. 1-T22S-R23E**  
**Eddy County, New Mexico**

1. The estimated tops of geologic markers are as follows:

San Andres	485'	Cisco Canyon Dolomite	7515'
Glorietta	1985'	Base of dolomite	7945'
Bone Springs	2758'	Strawn	8305'
2 <sup>nd</sup> Bone Springs	3041'	Atoka	8585'
3 <sup>rd</sup> Bone Springs	6285'	Morrow	9195'
Wolfcamp	6585'	Base of Morrow	9475'
		TD	9700'

2. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: 250' - 350'  
Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 9 5/8" casing and rated for 3000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

**Auxiliary Equipment:**

A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.

4. THE PROPOSED CASING AND CEMENTING PROGRAM:

A. Casing Program: (All New)

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft</u>	<u>Grade</u>	<u>Coupling</u>	<u>Interval</u>	<u>Length</u>
14 3/4"	9 5/8"	36#	J-55	ST&C	0-1600'	1600'
8 3/4"	7.0"	26#	J-55	LT&C	0-1500'	1500'
8 3/4"	7.0"	23#	J-55	LT&C	1500'-4800'	3300'
8 3/4"	7.0"	26#	J-55	LT&C	4800'-7000'	2200'
8 3/4"	7.0"	26#	L-80	LT&C	7000'-8300'	1300'
8 3/4"	7.0"	26#	HCP-110	LT&C	8300'-9700'	1400'

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8

B. Cementing Program:

Surface casing: 900 sx Lite (YLD 2.0 WT 12.5), tail with 300 sx 'C' +2% CaCL<sub>2</sub> (YLD 1.33 WT 14.8)

Production Casing: 500 sx super 'C' modified (YLD 1.62 WT 13.0).

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-1600'	FW/Air Mist	8.4	28	N/C
1600'-7500'	Cut Brine	8.8-9.0	28	N/C
7500'-9100'	Cut Brine/Starch	9.0-9.4	28-32	<12cc
9100'-TD	Salt Gel/Starch	9.4-9.8	34-38	<10cc

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: 10' samples from intermediate casing.

Logging: Platform Express HALS NGT.

Coring: None anticipated

DST's: As warranted.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE AND POTENTIAL HAZARDS:

Anticipated BHP:

From: 0 TO: 1600' Anticipated Max. BHP: 700 PSI

From: 1600' TO: 9700' Anticipated Max. BHP: 4850 PSI

Abnormal Pressures Anticipated: None

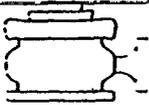
Lost Circulation Zones Anticipated: Possible in surface and intermediate holes.

H<sub>2</sub>S Zones Anticipated: Possible Canyon

Maximum Bottom Hole Temperature: 178 F

8. ANTICIPATED STARTING DATE:

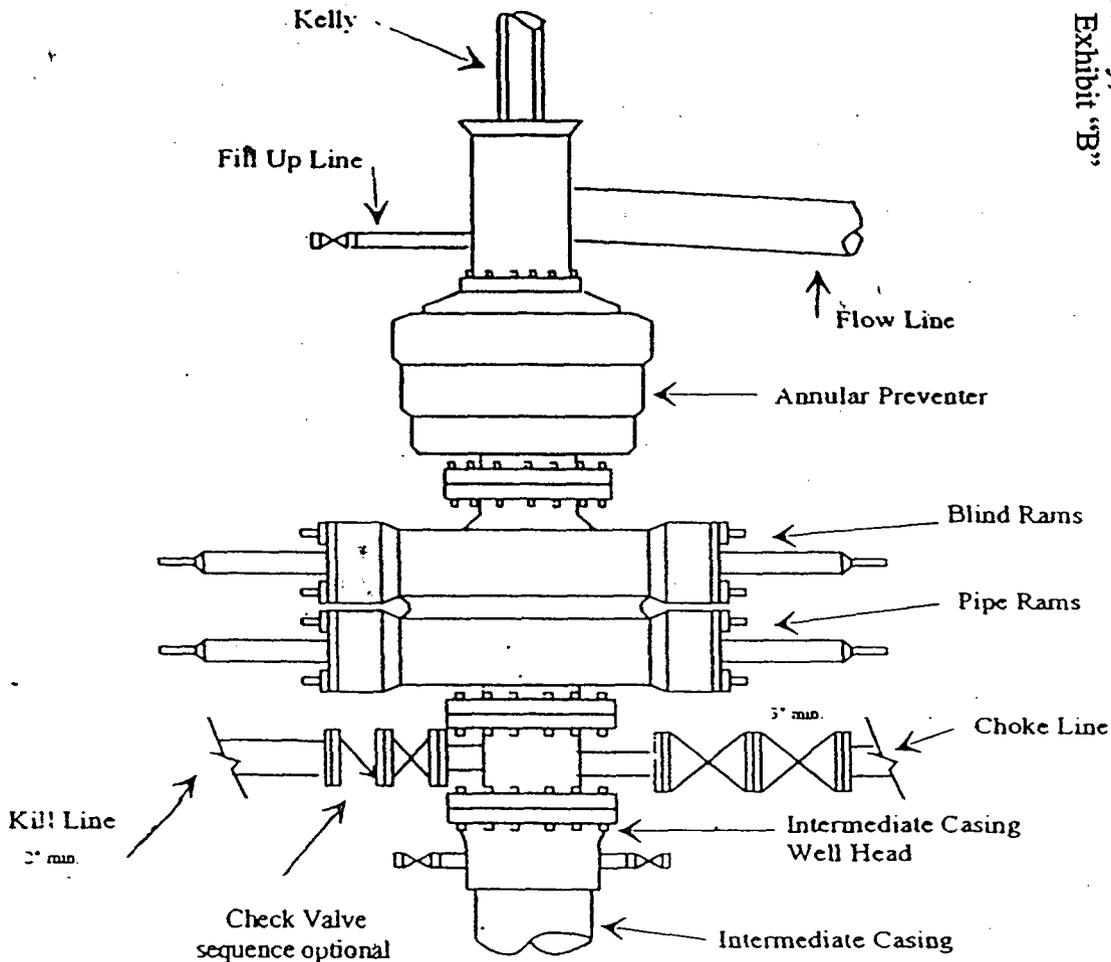
Plans are to drill this well as soon as possible after receiving approval. It should take approximately 30 days to drill the well with completion taking another 15 days.



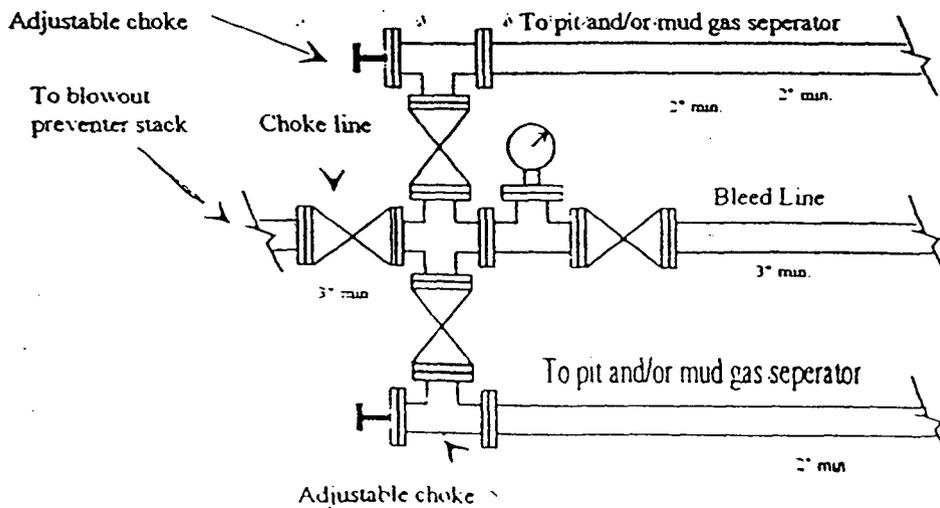
# Yates Petroleum Corporation

## Typical 3,000 psi Pressure System Schematic Annular with Double Ram Preventer Stack

105 South 4<sup>th</sup> Street  
Artesia, NM 88210  
Zingaro "ANG" Federal #5  
710' FSL & 1950' FWL  
Section 1-T22S-R23E  
Eddy County, New Mexico  
Exhibit "B"



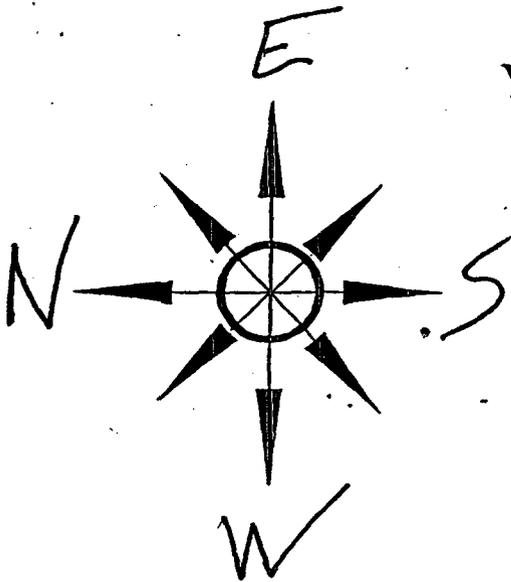
Typical 3,000 psi choke manifold assembly with at least these minimum features



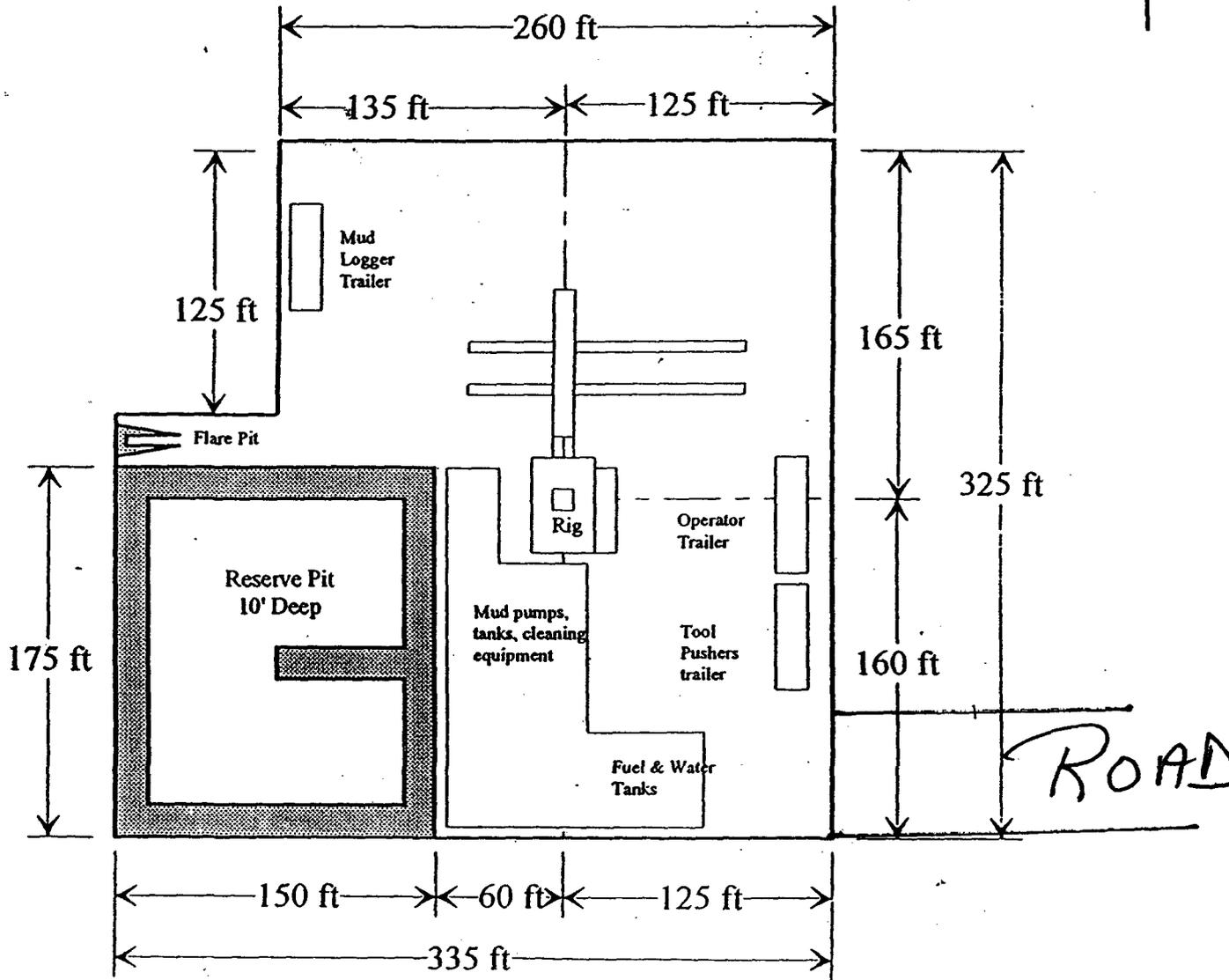
**Yates Petroleum Corporation**  
 Location Layout for Permian Basin  
 Up to 12,000'

Zingaro "ANG" Federal #5  
 710' FSL & 1950' FWL  
 Section 1-T22S-R23E  
 Eddy County, New Mexico  
 Exhibit "C"

105 South 4<sup>th</sup> Street  
 Artesia, NM 88210



*Pits North*

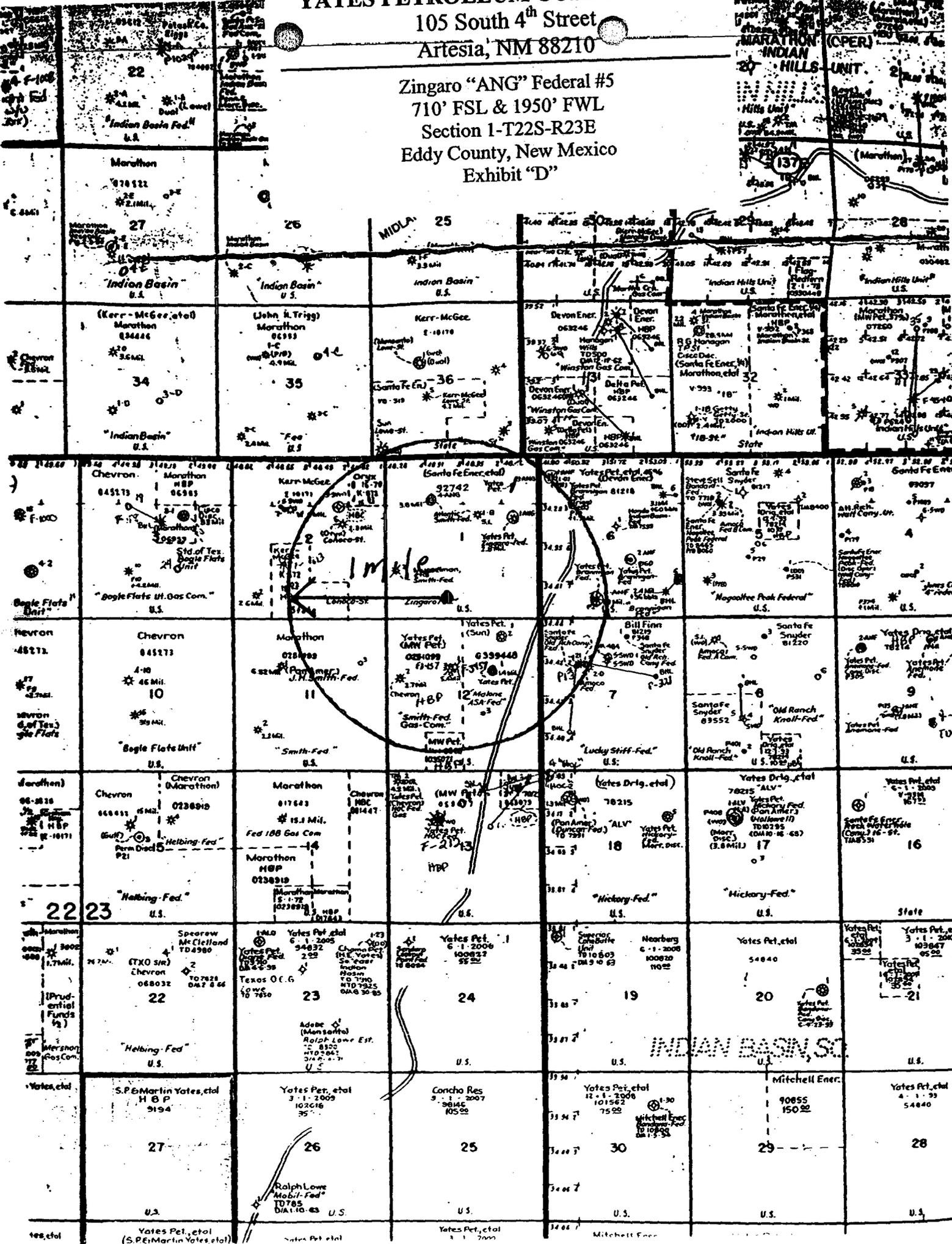
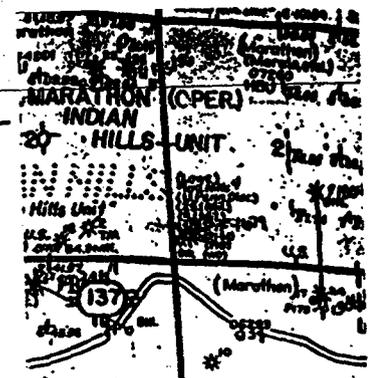


Distance from Well Head to Reserve Pit will vary between rigs

The above dimension should be a maximum

105 South 4<sup>th</sup> Street  
Artesia, NM 88210

Zingaro "ANG" Federal #5  
710' FSL & 1950' FWL  
Section 1-T22S-R23E  
Eddy County, New Mexico  
Exhibit "D"



INDIAN BASIN, S.1

District I  
1625 N. French Dr. Hobbs, NM 88240

District II  
511 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Artesia NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-102  
Revised March 17, 1999  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, N M 87505

**II**

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Indian Basin Upper Penn Associated
Property Code	Property Name	Well Number
	ZINGARO "ANG" FEDERAL	5
OGRID No.	Operation Name	Elevation
025575	YATES PETROLEUM CORPORATION	3920

Surface Location

UL or Lot No.	Section	Township	Range	Lot Id.	Feet from the	North/South line	Feet from the	East/West line	County
N	1	22-S	23-E		710	SOUTH	2050	WEST	EDDY

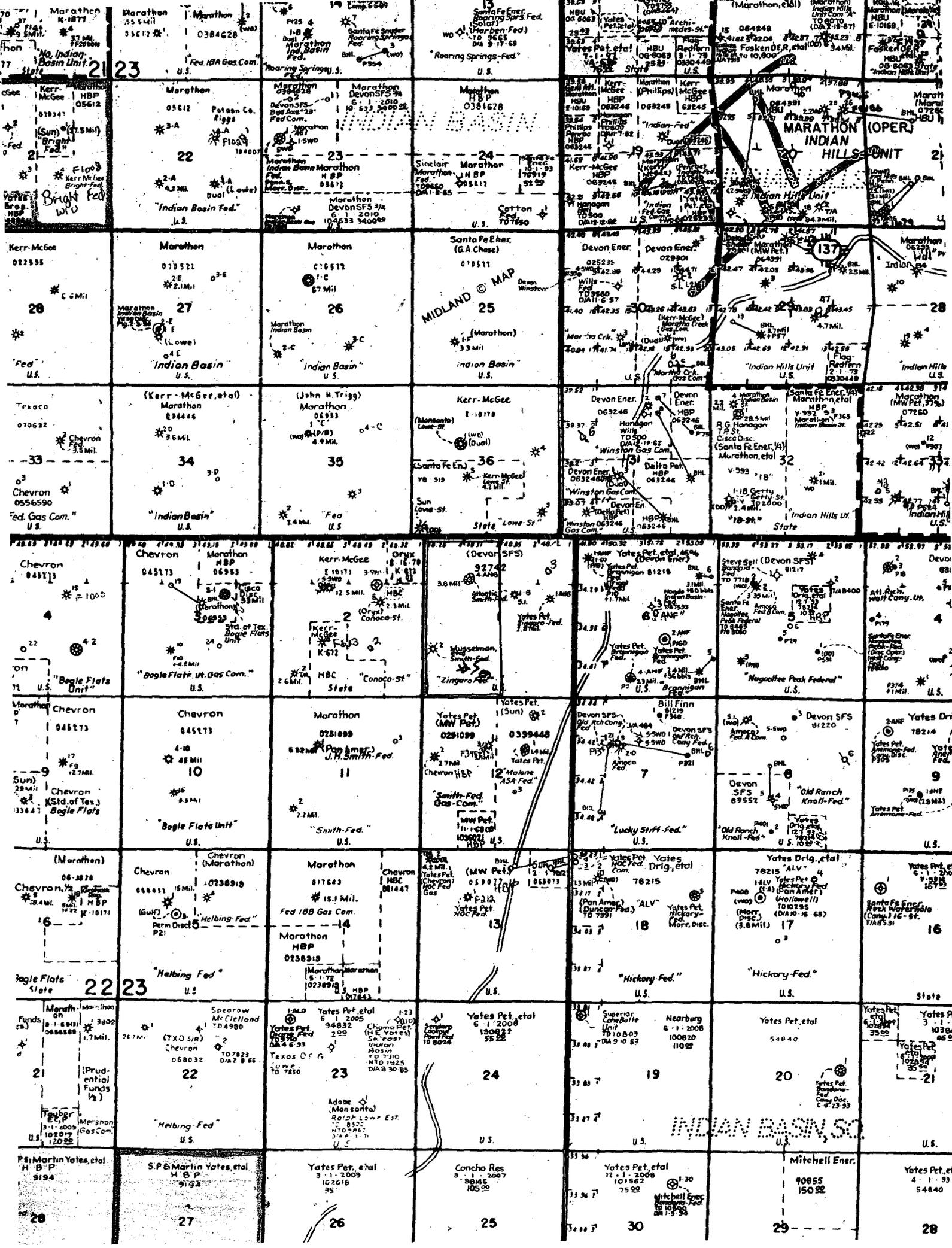
Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot Id.	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I HEREBY CERTIFY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.</p>	
	<p>Signature <i>Cy Cowan</i></p>	
	<p>Printed Name Cy Cowan</p>	
	<p>Title Regulatory Agent</p>	
<p>Date May 9, 2002</p>		<p>SURVEYOR CERTIFICATION</p> <p>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.</p>
<p>APRIL 17, 2002</p>		<p>Date of Survey</p>
<p>Signature of Land Professional Surveyor</p>		<p><b>D.N.R. REDD</b> NEW MEXICO 5412 REGISTERED LAND SURVEYOR</p>
<p>Certificate Number</p>		<p>Professional Surveyor</p>



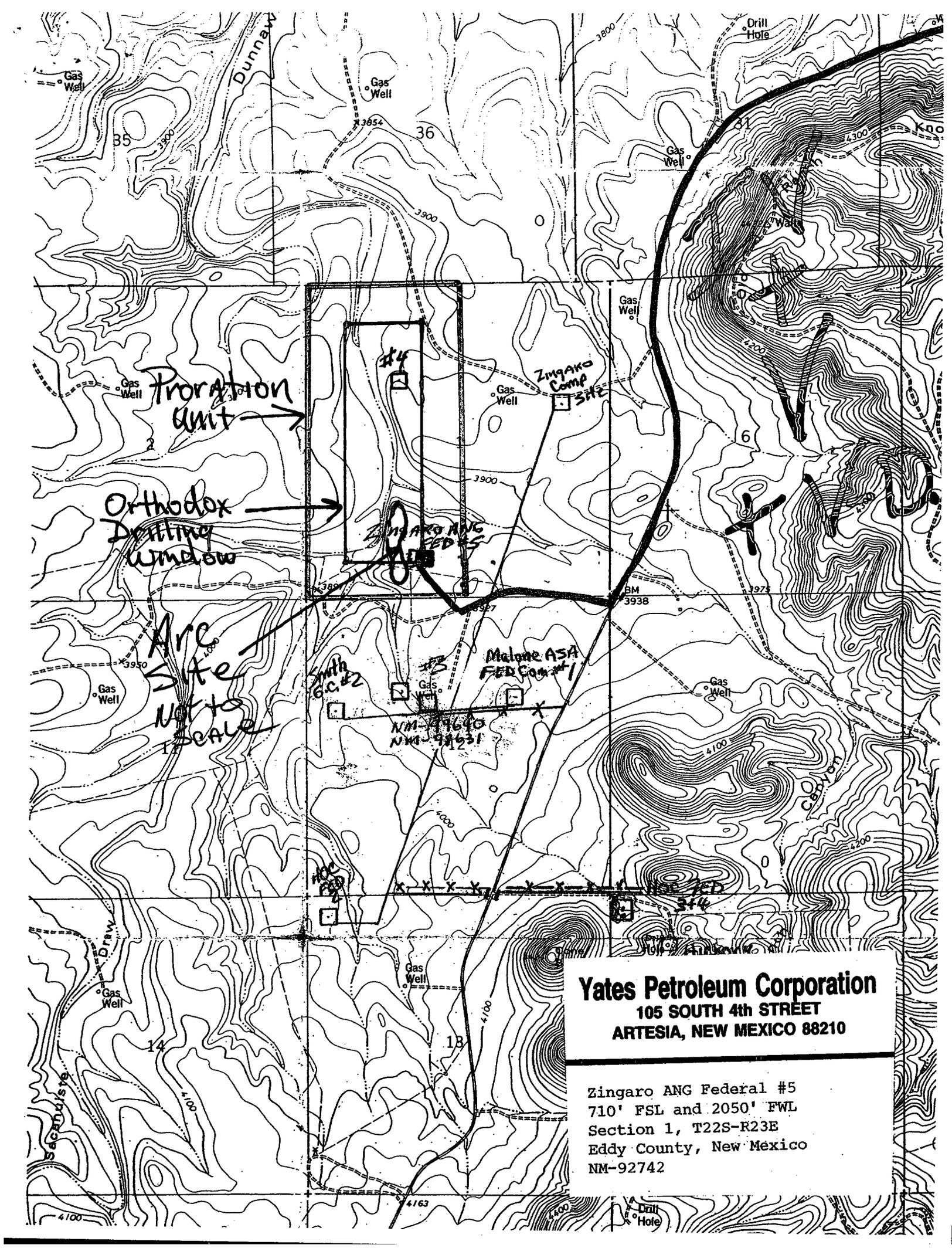
MIDLAND MAP

INDIAN BASIN, SO.

MARATHON INDIAN HILLS UNIT (OPER)

Map grid sections and associated data:

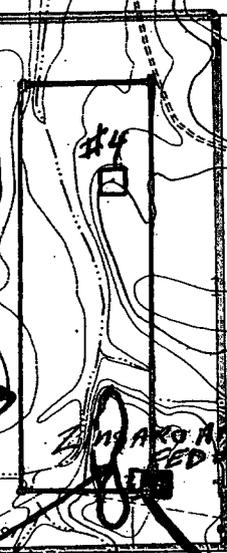
- Section 21:** Marathon, 55.5 Mil, 0384628 (wo)
- Section 22:** Marathon, 03612, Potson Co. Riggs, 3-A, 19007
- Section 23:** Marathon, 03612, 10, 523, 340022
- Section 24:** Santa Fe Eher. (Marathon Fed.), 70 8651, 9-17-69
- Section 25:** Santa Fe Eher. (G.A. Chase), 070511
- Section 26:** Marathon, 070512, 1-C, 57 Mil
- Section 27:** Marathon, 070521, 2-E, 2.1 Mil, 0-E
- Section 28:** Kerr-McGee, 022535, 6 Mil
- Section 29:** Kerr-McGee, 022535
- Section 30:** Santa Fe Eher. (Marathon Fed.), 70 8651, 9-17-69
- Section 32:** Devon Ener., 063246, 029301
- Section 33:** Texaco, 070622, Chevron, 0556590, Fed. Gas Com., U.S.
- Section 34:** (Kerr-McGee, et al) Marathon, 034446, 2-D, 3.6 Mil
- Section 35:** (John H. Trigg) Marathon, 06513, 1-C, 4.9 Mil
- Section 36:** Kerr-McGee, 1-10178, (Low-St) State
- Section 38:** Chevron, 045173, 15, F=1000
- Section 39:** Marathon, 045173, 06953
- Section 40:** Chevron, 045173, 4-B, 48 Mil, 2.7 Mil
- Section 41:** Marathon, 0281099, 632 Mil (Pan Amer) J.H. Smith Fed.
- Section 42:** Yates Pet. (Sun), 0399448
- Section 44:** Marathon, 017643, 15.1 Mil, Fed 188 Gas Com.
- Section 45:** Yates Pet. (MW Pet), 0281099, 2.7 Mil, Chevron HBP
- Section 46:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 47:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 48:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 49:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 50:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 51:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 52:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 53:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 54:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 56:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 57:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 58:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 59:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 60:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 62:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 63:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 64:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 65:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 66:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 68:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 69:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 70:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 71:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 72:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 74:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 75:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 76:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 77:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 78:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 79:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 80:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 81:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 82:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 83:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 84:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 86:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 87:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 88:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 89:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 90:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 92:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 93:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 94:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 95:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 96:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 98:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 99:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.
- Section 100:** Yates Pet. (Sun), 0399448, 1.4 Mil, Yates Pet.



Proration Unit →

Orthodox Drilling Window →

Are Site Not to Scale



Zingaro Comp SITE

Malone ASA Fed #1

Smith GC #2

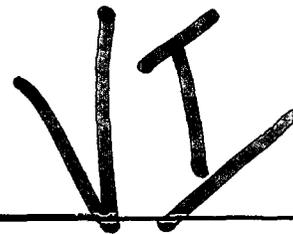
NM-99640  
NM-99631

**Yates Petroleum Corporation**  
105 SOUTH 4th STREET  
ARTESIA, NEW MEXICO 88210

Zingaro ANG Federal #5  
710' FSL and 2050' FWL  
Section 1, T22S-R23E  
Eddy County, New Mexico  
NM-92742

**TITLE PAGE/ABSTRACT/  
NEGATIVE SITE REPORT  
CFO/RFO**

1/95



1. BLM Report No.	2. (ACCEPTED) (REJECTED)	3. NMCRIS No. 78604
4. Title of Report (Project Title)  Class III archaeological survey of Yates Petroleum Corporation's pad for the Zingaro "ANG" Fedral well No. 5 in Section 1 and access road in Section 1 and Section 12, T 22S, R 23E, NMPM, Eddy County, New Mexico.		5. Project Date(s) 4-10-02 to 4-19-02
7. Consultant Name & Address: Direct Charge: Mark C. Slaughter Name: Geo-Marine Inc. Address: 150-A N. Festival Drive, El Paso, TX 79912 Authors Name: Danny Boone Field Personnel Names: Danny Boone Phone: (915) 585-0168		6. Report Date 4-20-02
10. Sponsor Name and Address: Indiv. Responsible: Yates Petroleum Corporation Name: Cy Cowan Address: 105 So. Fourth Street Artesia, New Mexico 88210 Phone: (505) 748-1471		8. Permit No. 103-2920-01-P
13. Location: (Maps Attached if Negative Survey) a. State: New Mexico b. County: Eddy c. BLM Office Carlsbad d. Nearest City or Town: Carlsbad, NM e. Legal Location: T 22S R 23E Sec. 12. Access Road. NW NW NE: Sec. 1. SE SE SW: Pad. SE SW: Well Footages: 710' FSL, 2050' FWL f. USGS 7.5 Map Name(s) and Code Number(s): MARTHA CREEK, New Mexico (1978) 32104-D5 g. Area: Block: surveyed: 500' x 400' Impact: Within eastern 400' x 400' Survey area Linear: Surveyed: 100' x 1000' (-/+) Impact: 50' x 1050' (+/-)		9. Consultant Report No. 590EP
		11. For BLM Use Only.
		12. ACREAGE: Total No. of acres surveyed: 6.89 SURFACE OWNERSHIP: Federal: 6.89 State: 0, Private: 0

14. a. Records Search; ARMS: Date(s): 4-10-02 Name(s): Danny Boone  
 BLM Office: Date(s): 4-10-02 Name(s): Danny Boone  
 List Sites within .25 miles of Project: LA 105505, LA 102020 are within 0.25 miles and LA 120319 is within 500' and appears to encompass LA 39377 and LA 14288. There are considerable differences between BLM and ARMS maps as to size and location of these and several other sites in the area. Show sites within 500' on Project Map

b. Description of Undertaking:

The access road begins at an existing lease road, trends northwest, crosses a buried pipeline to enter approximately 50' into the southwest portion of the pad survey area. This pad was moved 100' east from 710' FSL and 1,950' FWL to 710' FSL and 2,050' FWL because the western boundary of the original location was within 50' of LA 120319. Total area for block survey was a rectangle 500' east to west by 400' north to south. There is a barb wire fence in the extreme southwest corner of the pad survey area. Footage and location of the road is an estimation.

c. Environmental Setting (NRCS soil designation; vegetative community; etc.):

The pad is located on a southeast facing rocky hill slope with the extreme eastern boundary of the survey area in a small ephemeral drainage. Overall all vegetation cover is approximately 40% and consists primarily of hackberry creosotebush, littleleaf horsebrush, yucca cactus, broom snakeweed, acacia, walking stick cholla cactus, prickly pear cactus, rainbow cactus, mesquite, crucifixion thorn, bear grass, assorted grasses and other flora.

NRCS: Reagan-Upton association: Loamy, deep soils and soils that are shallow to caliche; from old alluvium.

d. Field Methods:

For the pad, a grid of parallel transects spaced fifteen meters or less and for the road, transects spaced up to 15 meters each side of flagged center line.

15. Cultural Resource Findings:

a. Identification and description  
 None

16. Management Summary (Recommendations):

Archaeological clearance for Yates Petroleum Corporation's pad for the Zingaro "ANG" Fedral well No. 5 in Section 1 and access road in Section 1 and Section 12, T 22S, R 23E, NMPM, Eddy County, New Mexico, as presently staked is recommended. All activities should be stopped and the BLM archaeologist notified immediately if any cultural resources are encountered at any time.

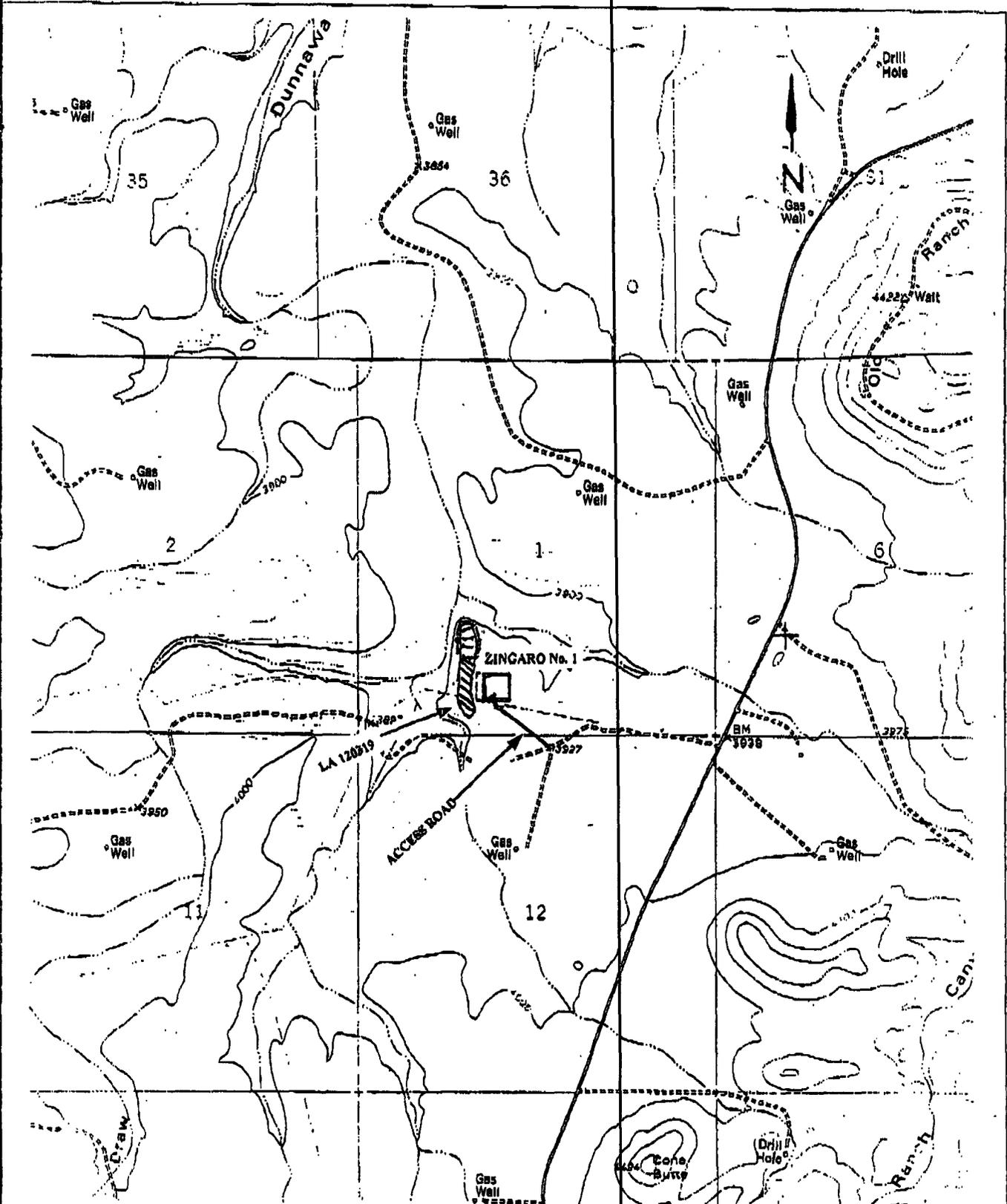
I certify that the information provided above is correct and accurate and meets all appreciable BLM standards.

Responsible Archaeologist

*Danny Boone*  
 Signature

4-22-02

Date



Location Map for Yates Petroleum Corporation's pad for the Zingaro "ANG" Fedral well No. 5 in Section 1 and access road in Section 1 and Section 12, T 22S, R 23E, NMPM, Eddy County, New Mexico.

Map Reference: USGS 7.5' Series; MARTHA CREEK, New Mexico (1978) 32104-D5