

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

AUG 19 2005

COO-ARTESIA

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

5. Lease Serial No.
NM-94614

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. **22903**
Domino AOJ Fed. Com. #9

9. API Well No.
30-015-31949

10. Field and Pool, or Exploratory
Wildcat Mississippian

11. Sec., T., R., M., or Blk, and Survey or Area

Section 8, T19S-R31E

12. County or Parish
Eddy

13. State
NM

1a. Type of Work: ☒ DRILL ☐ REENTER

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface **660' FSL & 660' FWL**

At proposed prod. Zone **same as above**

14. Distance in miles and direction from nearest town or post office*

15 miles SE of Loco Hills, NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **660'**

16. No. of Acres in lease
160.00

17. Spacing Unit dedicated to this well
W/2 - 320

18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. **2640'**

19. Proposed Depth
12,250

20. BLM/BIA Bond No. on file
NM-2811

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3455' GL

22. Approximate date work will start*
ASAP

23. Estimated duration
60 Days

24. Attachments

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

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature *Debbie L. Caffall* Name (Printed/Typed) **Debbie L. Caffall** Date **7/18/2005**

Title: **Regulatory Technician/Land Department**

Approved by (Signature) */s/ Joe G. Lara* Name (Printed/Typed) **/s/ Joe G. Lara** Date **AUG 18 2005**

Title **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)

Previously Approved

C-144 Attached

Witness Surface Casing

Sc 11
29.5

Capitan Controlled Water Basin

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

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

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 96068	³ Pool Name Wildcat Mississippi
⁴ Property Code	⁵ Property Name DOMINO AOJ FEDERAL COM.	⁶ Well Number 9
⁷ OGRID No. 025575	⁸ Operator Name Yates Petroleum Corporation	⁹ Elevation 3455'

¹⁰ Surface Location

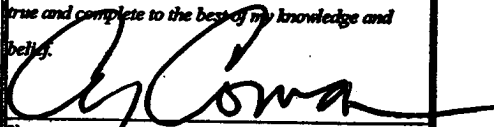
UL or lot no. M	Section 8	Township 19S	Range 31E	Lot Idn	Feet from the 660	North/South line South	Feet from the 660	East/West line West	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

NM-101112				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Cy Cowan Printed Name Regulatory Agent Title 6/27/2003 Date
	NM-82902			¹⁸ 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 belief. REFER TO ORIGINAL PLAT Date of Survey Signature and Seal of Professional Surveyor: Certificate Number
NM-94614				
660'	660'			

YATES PETROLEUM CORPORATION

Domino AOJ Federal Com. #9

660' FSL & 660' FWL

Section. 8 -T19S-R31-E

Eddy County, New Mexico

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

Rustler	518'	1st Bone Spring	7623'
Tansill	1946'	2 nd Bone Spring	8483'
Yates	2082'	3 rd Bone Spring	9293'
Seven Rivers	2378'	Wolfcamp	9773'
Queen	3000'	Strawn	10873'
Capitan	3833'	Atoka	11213'
Cherry Canyon	4150'	Morrow	11553'
Brushy Canyon	4426'	Mississippian	12113'
Bone Spring Lime	6146'	TD	12250'

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

Water: Approx 250' - 350'
Oil or Gas: All Potential Zones

3. Pressure Control Equipment: BOPE will be installed on the 8 5/8" casing and rated for 5000 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>
17 1/2"	13 3/8"	48#	H-40	ST&C	0-550'	550'
12 1/4"	8 5/8"	32#	J-55	ST&C	0-3100'	3100'
7 7/8"	5 1/2"	17#	L-80	LT&C	0-3300'	3300'
7 7/8"	5 1/2"	17#	J-55	LT&C	3300-7400'	4100'
7 7/8"	5 1/2"	17#	N-80	LT&C	7400-10400'	3000'
7 7/8"	5 1/2"	20#	P-110	LT&C	10400-12250'	1850'

WITNESS

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

B. CEMENTING PROGRAM:

Surface casing: 250 sx Lite (Yld 2.01 Wt.12.4) Tail in w/200 sx "C" (Yld 1.34 Wt 14.8)

Intermediate Casing: 1300 sx Lite (Yld 2.06 Wt 12.4); Tail in w/200 sx "C"
(Yld 1.32 Wt. 14.8)

Production Casing: TOC-9400'; 400 sx Super "C" (Yld 1.67 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>
0-550'	FW/Spud Mud	8.4-9.0	32-36	N/C
550'-3100'	Brine	10.0-10.2	28-34	N/C
3100'-10800'	Cut Brine	8.8-9.4	28	N/C
10800'-TD	Salt Gel/Starch/Driscap	9.5-10.2	32-40	<12

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 out from under surface casing.

Logging: GR, NEUTRON, DENSITY, LATERLOG.

Coring: As warranted.

DST's: As warranted.

7. Abnormal Conditions, Bottom hole pressure and potential hazards:

Anticipated BHP:

From: 0	TO: 550'	Anticipated Max. BHP:	240	PSI
From: 550'	TO: 3100'	Anticipated Max. BHP:	1800	PSI
From: 3100'	TO: TD	Anticipated Max. BHP:	6400	PSI

No abnormal pressures or temperatures are anticipated.

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 45 days to drill the well with completion taking another 15 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Yates Petroleum Corporation

Domino AOJ Federal Com. #9

660' FSL & 660' FWL

Section. 8, T-19S-R31-E

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 wellsite is located approximately 15 miles southeast of Loco Hills, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go east of Loco Hills on Highway 82 approx. 4.8 miles to County Road (222) Sugart Road. Turn south and go approx. 10 miles cattle guard on right. Turn west crossing cattle guard and go on caliche road for approx. 1.5 miles going toward the Domino #2 location. Approximately 300 feet before the Domino #2 the new road starts here going west for approximately 0.5 of a mile to the southeast corner of the well location.

2. PLANNED ACCESS ROAD.

- A. The proposed new access will go west approximately 0.5 of a mile to the southeast corner of the drilling pad. The road will lie in an east to west direction.
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on one side. Traffic turnouts may be built.
- D. The route of the road is visible.
- E. Existing roads will be maintained in the same or better condition.

3. LOCATION OF EXISTING WELL

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

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.



Yates Petroleum Corporation

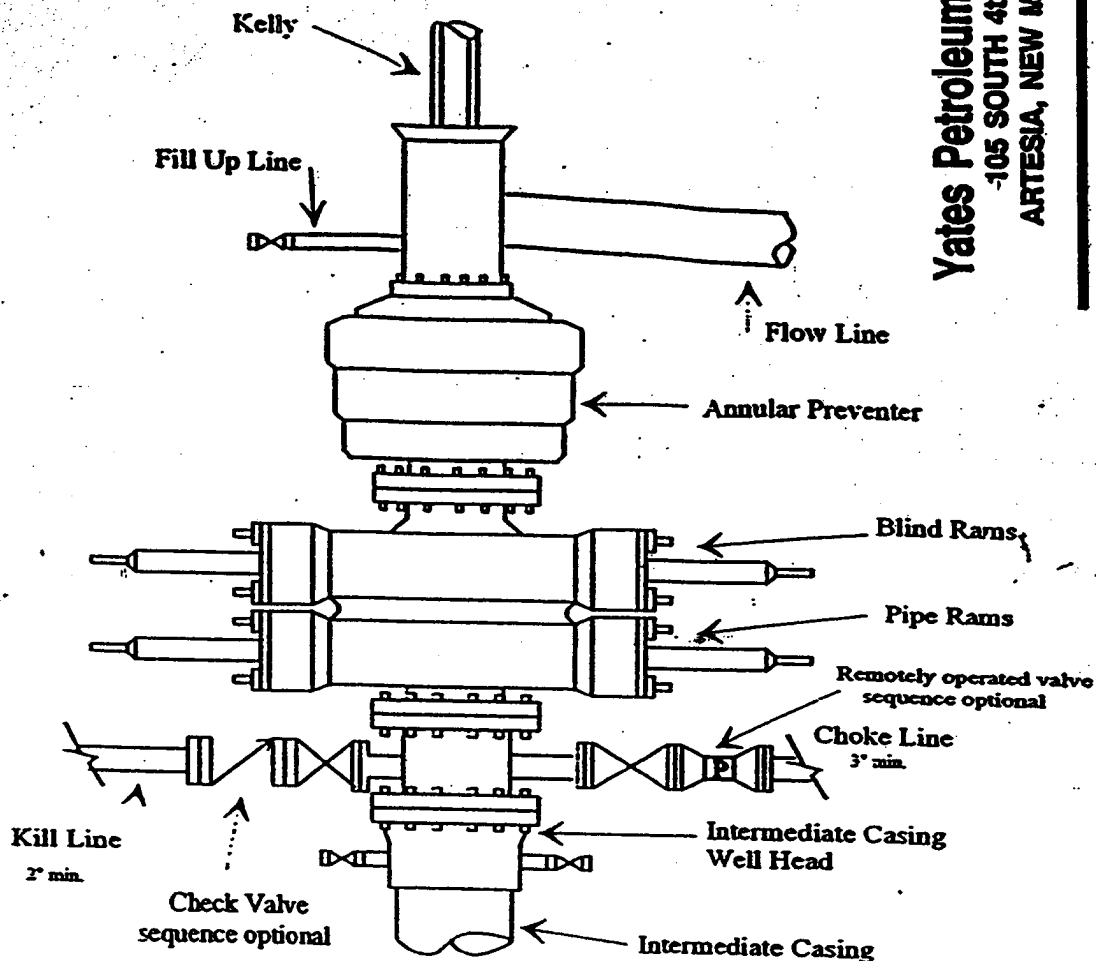
Typical 5,000 psi Pressure System

Schematic

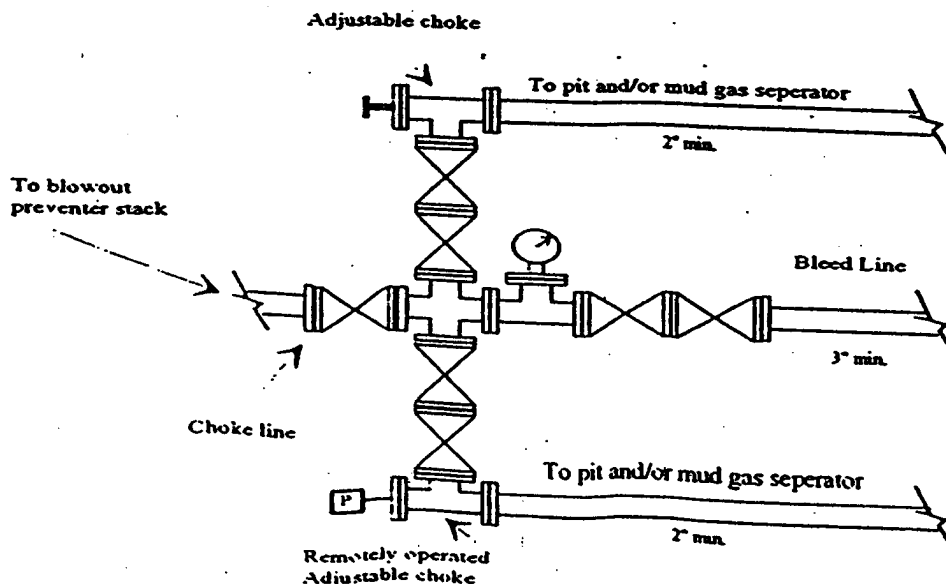
Annular with Double Ram Preventer Stack

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

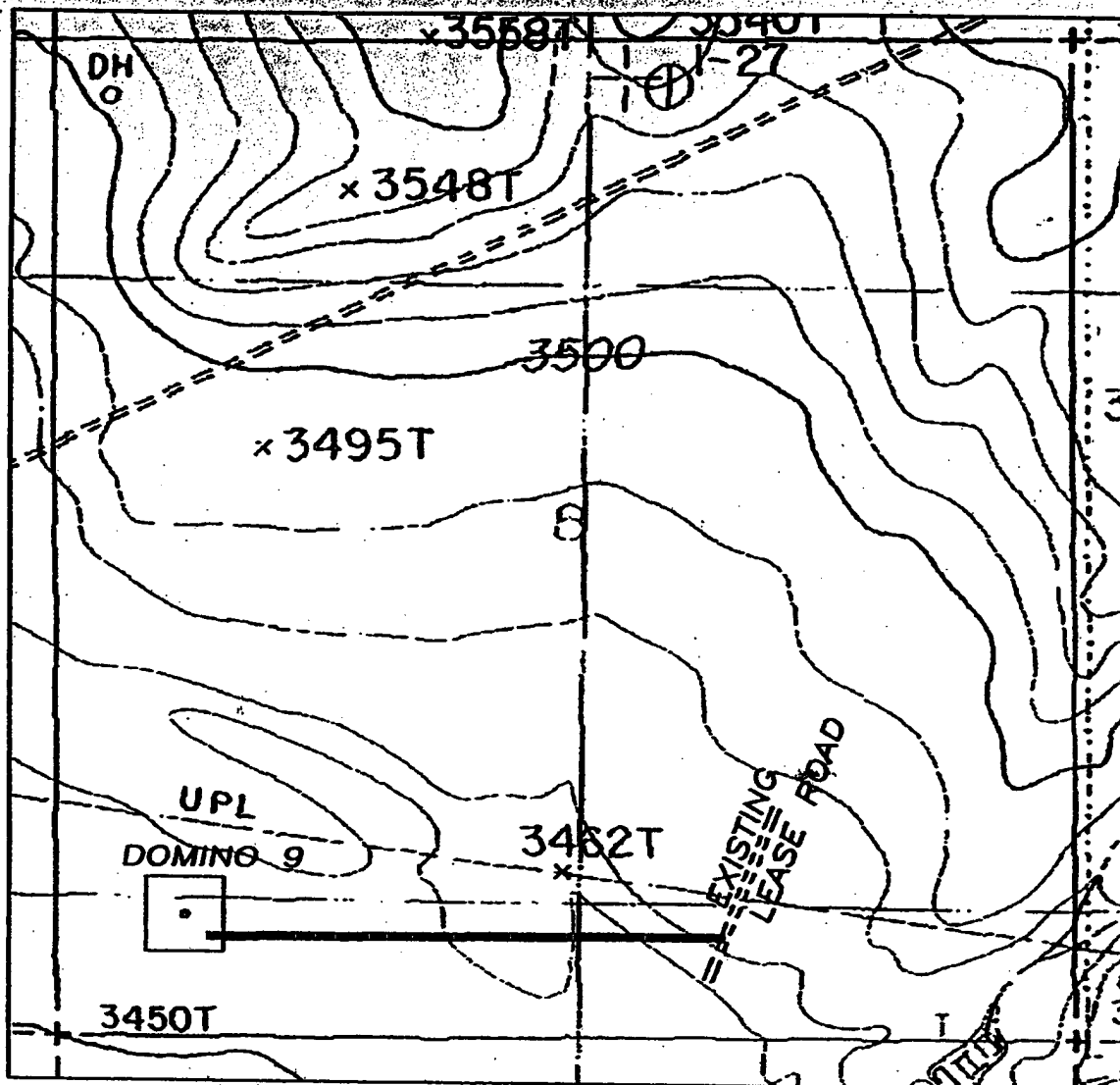
Domino AOU Federal Com. #9
 660' FSL and 660' FWL
 Section 8, T19S-R31E
 Eddy County, New Mexico



Typical 5,000 psi choke manifold assembly with at least these minimum features



SECTION 8, TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM, EDDY COUNTY, NEW MEXICO.



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

Domino AOJ Federal Com. #9
660' FSL and 660' FWL
Section 8, T19S-R31E
Eddy County, New Mexico
NM-94614 Exhibit "A-1"

THE PREPARATION OF THIS PLAN AND THE PERFORMANCE OF THE SURVEY UPON WHICH IT IS BASED WERE DONE UNDER MY DIRECTION AND THE PLAN ACCURATELY DEPICTS THE RESULTS OF SAID SURVEY AND MEETS THE REQUIREMENTS OF THE STANDARDS FOR LAND SURVEYS IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

HERSCHEL L. JONES, R.L.S. No. 3640

GENERAL SURVEYING COMPANY P.O. BOX 1928
LOVINGTON, NEW MEXICO 88260

1000' 0 1000' 2000'
Scale 1" = 1000'

YATES PETROLEUM CORP.

LEASE ROAD TO THE YATES DOMINO "AOJ"
FEDERAL COM. #9 LOCATED IN SECTION 8,
TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM,
EDDY COUNTY, NEW MEXICO.

Survey Date: 5/10/2001	Sheet 1 of 1 Sheets
Drawn By: Ed Blavins	W.O. Number
Date: 5/11/01	Scale 1" = 1000' DOMINO 9

CONDITIONS OF APPROVAL - DRILLING

Operator's Name: Yates Petroleum Corporation
Well Name & No. Domino AOJ Federal Com #9 - RESUBMITTAL
Location: 660' FSL, 660' FWL, Section 8, T. 19 S., R. 31 E., Eddy County, New Mexico
Lease: NM-94614

I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 for wells in Eddy County in sufficient time for a representative to witness:

A. Well spud

B. Cementing casing: 13-3/8 inch 8-5/8 inch 5-1/2 inch

C. BOP tests

2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

3. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.

4. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

5. A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales.

II. CASING:

1. The 13-3/8 inch surface casing shall be set at approximately 550 feet or 25 feet into the top of the Rustler Anhydrite and cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.

2. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is to be circulated to the surface.

3. The minimum required fill of cement behind the 5-1/2 inch production casing is to reach at least 500 feet above the top of the uppermost productive hydrocarbon interval.

III. PRESSURE CONTROL:

1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the 13-3/8 inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.

2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 5000 psi.

3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.

- The tests shall be done by an independent service company.

- The results of the test shall be reported to the appropriate BLM office.
- Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
- Testing must be done in a safe workman-like manner. Hard line connections shall be required.

IV. DRILLING MUD:

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production casing is run and cemented. Monitoring equipment shall consist of the following:

- Recording pit level indicator to indicate volume gains and losses.
- Mud measuring device for accurately determining the mud volumes necessary to fill the hole during trips.
- Flow-sensor on the flow-line to warn of abnormal mud returns from the well.

7/21/2005
acs