Form:3160-3 (November 1983) (formerly 9-331C)

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Form approved

UNITED STATES DEPARTMENT OF THE INTERIOR

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TION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT Uctions On Reverse SIGHTS IN 10% I MICH WOULD IN ADVANCE U.S.C. Section 1001, makes it a crime for any person knowfully and willfully to make to any department or agency of the United States any fulse, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

WELL LOCATION AND ACREAGE DEDICATION DI

000 Rio Brazos Rd., Aztec, NM 87		e from the outer boundaries of the	section	i .c9/
Operator		Lease		WEST MEXICO
YATES PETROLEUM	CORPORATION	SALT CREEK UNIT		q
Unit Letter Section	Township	Range	County	
P 17	8 SOUTH	22 EAST	CH	AVES
Actual Footage Location of Well:			NMPM CIT	
990 feet from the	EAST line and	660	feet from the SOUTH	H line
	ducing Formation	Bool		Dedicated Acreage:
	400	PECOS SLOPE A		/60 Acres
1. Outline the acreage ded 2. If more than one lease i 3. If more than one lease of unitization, force-poolin Yes If answer is "no" list the of this form if neccessary. No allowable will be assigned.	icated to the subject well by colored posted and an additional subject to the well, outline each an of different ownership is dedicated to the general subject. No If answer is "yes" to where and tract descriptions which have the to the well until all interests have it, eliminating such interest, has been a	encil or hachure marks on the plat belond identify the ownership thereof (both the well, have the interest of all owners type of consolidation we actually been consolidated. (Use rebeen consolidated (by communitization)	ow. In as to working interest and is been consolidated by committees side of in, unitization, forced-pooling on, unitization, forced-pooling on this plat wactual surveys supervison, and	royalty). g. or otherwise) OR CERTIFICATION certify that the information in true and complete to the ledge and belief. A. May gent croleum Corporation
		990'-	Date Surveyed 12/08/92 Signature & S Professional Surveyed L Ceftdicate No.	e le colle Stateman
				3640
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YATES PETROLEUM CORPORATION

Salt Creek Unit #9 660' FSL and 990' FEL Section 17-T8S-R22E Chaves County, New Mexico DRILLING PROGNOSIS



1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Glorieta	515'
Tubb	1,865'
Abo	2,515'
Lower Abo	2,860'
Granite Wash	3,415'
Granite	3,460'
TD	3,600'

2. ESTIMATED DEPTHS OF ANITICIPATED WATER, OIL, GAS, OR MINERAL FORMATIONS:

Water: 250' - 300' Gas: 2515'

- 3: PRESSURE CONTROL EQUIPMENT (Schematic Attached)
 - A. The Blow-Out Preventor will be equipped as follows:
 - One (1) blind ram (above)
 - 2. One (1) pipe ram (below)
 - 3. Kill line (2-inch minimum)
 - 4. One (1) kill line valve (2-inch minimum)
 - 5. One (1) choke line valve
 - 6. Two (2) adjustable chokes.
 - 7. Upper kelly cock valve with handle available
 - 8. Safety valves & subs to fill all drill strings in use
 - 9. 2-inch (minimum) choke line
 - 10. Fill-up line above the upper most preventor
 - B. Pressure Rating: 2,000 PSI
- 4. THE PROPOSED CASING AND CEMENTING PROGRAM:
 - A. Casing Program: (All New)

<u> Hole Size</u>	Casing Size	Wt./Ft.	<u>Grade</u>	<u>Thread</u>	<u>Coupling</u>	<u>Interval</u>	<u>Length</u>
14 3/4"	9 5/8"	36#	J-55	8RD	ST&C	0-725'	725'
7 7/8"	4 1/2"	9.5#	J-55	8RD	ST&C	0-3600'	3600'

- 1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.8
- 2. Yates Petroleum Corporation requests that a variance be granted in requring the casing to be tested to 1500 PSI to testing the casing to 1000 PSI. The rig pumps will be used to test the casing. Rig pumps used in this area cannot safely test above 1000 PSI. We would have to go to the greater expense of hiring an independent service to do the testing. Also, the maximum shut-in bottom hole pressure is 1100 PSI. Pressure at the surface is much less. Most of the time the Abo formation requires treatment before it flows.

Salt Creek Unit #9 Page 2

B. CEMENTING PROGRAM:

Surface Casing: Set with 300 sx HL "C" + 1/4#/sx Flocele + 2% CaCL2 with weight of 12.7 ppg and Yield 1.84 cu.ft./sx. Tail in 250 sx "Class C" with 2% CaCl2 with weight of 14.8 ppg and yield 1.32 cu.ft./sx, circulated to surface.

Production Casing: Set with 600 sx 65/35 Poz "C" with 2% Gel + .6% Halad - 332 + 5# Gilsonite with weight of 13.8 ppg and yield 1.46 cu.ft./sx with cement top being approximately 2300'.

A greater amount of cement will be used if necessary to ensure that all potentially productive hydrocarbon zones are cemented off. Fill-up to be determined from logs.

5. MUD PROGRAM:

<u>Interval</u>	Type	<u>Weight</u>	Viscosity	<u>Fluid Loss</u>
0-725'	FW Gel/LCM	8.6-9.9	32-40	N/C
725'-2525'	Cut Brine	8.6-9.9	28	
2525' - TD	Drispak & Starch	9.3	32-45	15cc

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

EVALUATION PROGRAM:

Samples: Every 10' out from under surface casing.

Logging: CNL/LDT - TD to casing w/GR/CNL to surface; DLL w/RXO - TD to casing.

Coring: None Anticipated.

DST's: Any tests will be based on the recommendation of the well site geologist as warranted by breaks

and shows.

7. ABNORMAL CONDITIONS

No abnormal temperatures or pressures are anticipated. No H2S has been reported or is known to exist from previous drilling in this area at this depth.

8. ANTICIPATED STARTING DATES

Plans are to drill this well before the end of the year. It should take approximately 15 days to drill the well with completion taking another 15 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Yates Petroleum Corporation Salt Creek Unit #9 660' FSL and 990' FEL Section 17-T8S-R22E Chaves 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.

EXISTING ROADS:

Exhibit A is a portion of BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 23 miles north-northwest of Roswell, New Mexico, and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go north of Roswell on Highway 285 for approximately 13 miles to county road (Verbena Road). Turn west and go approximagtely 8 1/2 miles (just past the house). Turn right and go approximately 1/2 a mile (still Verbena road) to cattleguard on right. Turn right through cattleguard and road basically follows pipeline northwest for approximately 1.5 miles. Turn left to the Salt Creek Unit #5 pad. New access will start here and go northwest.

2. PLANNED ACCESS ROAD

- A. The proposed new access will be approximately 2000' in length from point of origin to the southeast edge of the drilling pad. The road will lie in an northwesterly and southern 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. One traffic turnout will be built.
- D. The route of the road is visible.

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.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with a fresh water system. A local water trucking firm will be contracted to furnish the water. They will provide the water obtaining it from whatever sources available to them at their discretion. It will be trucked to the location over the existing and proposed roads shown in Exhibit A. The Tack Water Station is in Section 31-T7S-R24E. Temporary permit No. RA-3378. Good until November 1, 1996.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Should be sufficient from location. Any additional material will come from a private pit located in the NENE of Sec. 22-T8S-R22E.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allows 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 ro bins to prevent scattering and will be removed and deposited in an approved sanitary land fill. Burial on site is not approved.

8. ANCILLARY FACILITIES:

A. None required.

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. A cross section of drillpad with approximate cuts, fills, and pad orientation is shown on Exhibit E.
- B. The reserve pits will be plastic lined.
- C. A 400' x 400' area has been staked and flagged.
- D. Pad will be rotated with pits to the west.

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 wellsite in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been levelled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM 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 BLM, Roswell, 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.

Salt Creek Unit #9 Page 3

13. OPERATOR'S REPRESENTATIVE

A. Through A.P.D. Approval:

B. Through Drilling Operations, Completions and Production:

Clifton R. May, Permit Agent Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471 Mike Slater, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

14. CERTIFICATION:

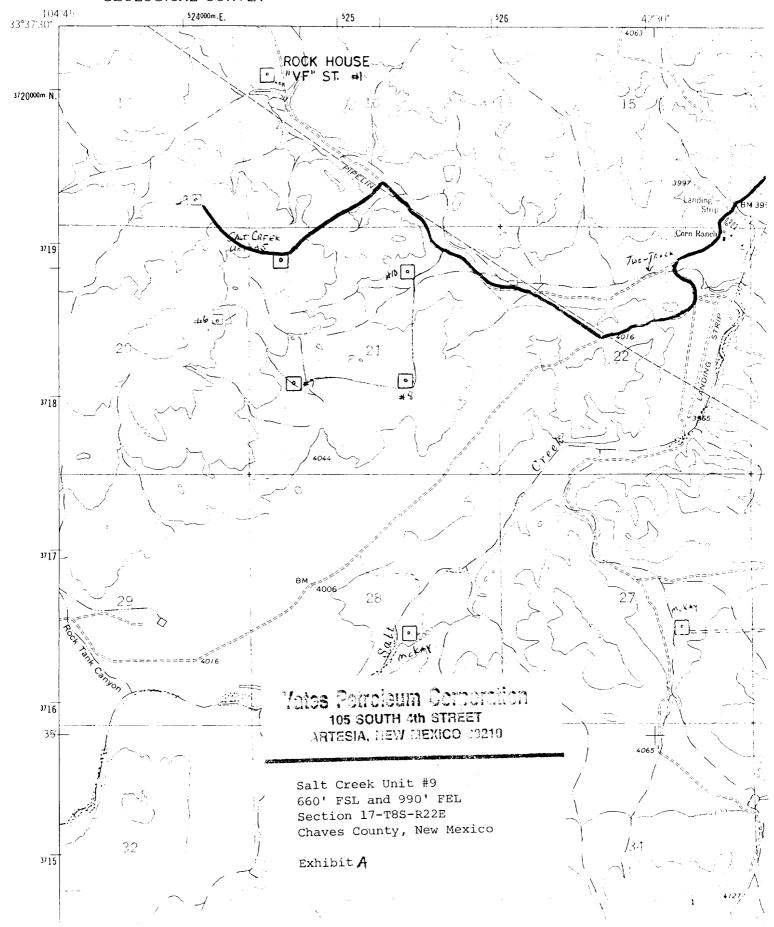
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and , that the work associated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

12-15-92

Date

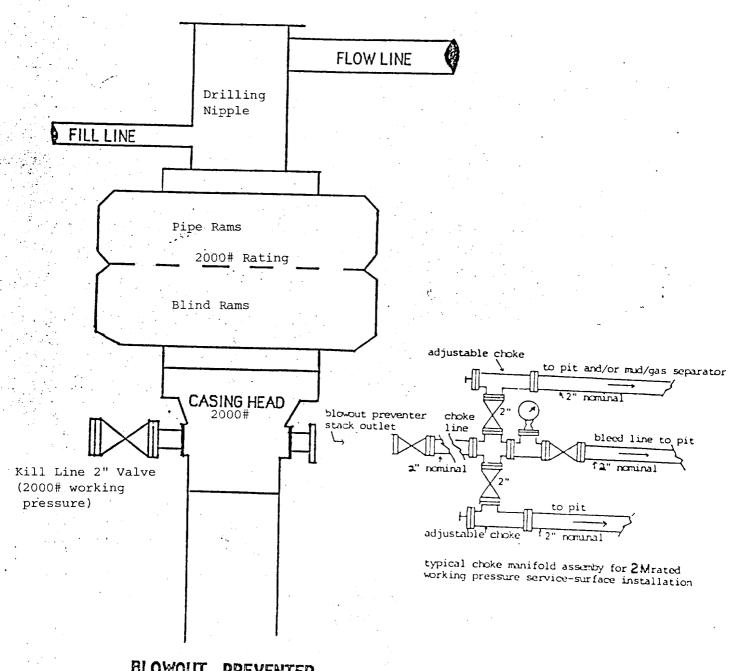
Clifton R. May Permit Agent

UNITED STATLS DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY





YATES PETROLEUM CORPORATION

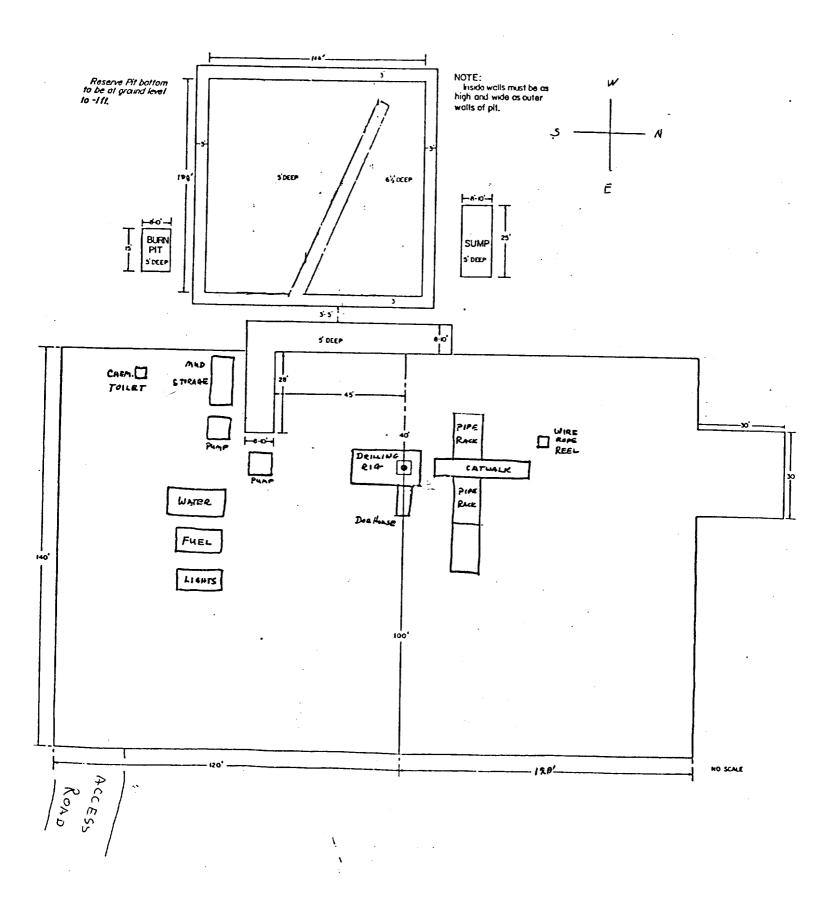


BLOWOUT PREVENTER 2M SYSTEM



YATES FETROLEUM CORPORATION

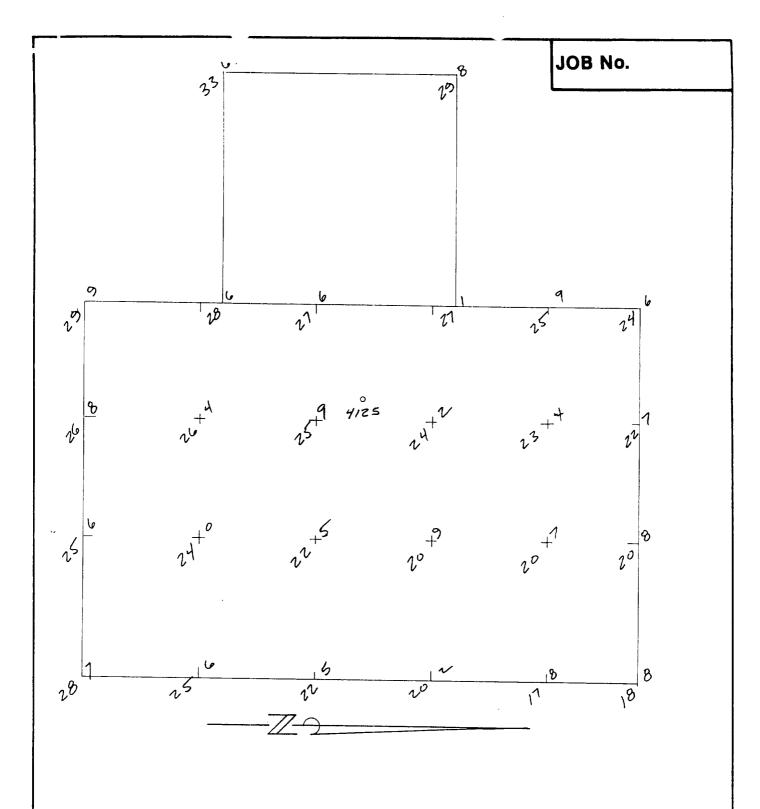
EXHIBIT C





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THE PREPARATION OF THIS PLAT AND THE PERFORMANCE OF THE SURVEY UPON WHICH IT IS BASED* WERE DONE UNDER MY DIRECTION AND THE PLAT 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.

YATES PETROLEUM CORPORATION

ELEVATION PLAN VIEW SALT CREEK UNIT #9 990/E & 660/S Sec.17-8S-22E CHAVES COUNTY, NEW MEXICO.

P.O. Box 996

Lovington, New Mexico 88260

SCALE: DRAWN BY: DATE: SHEET OF



R.L.S. No. 3640

Associ

