60-3 st 1999)

Knuy N.M. Oil Cons. DIV-Dist. 2 1301 W. Grand Avenue Artesia. NM Socretary

UNITED STATES

OMB No. 1004-0136 Expires November 30, 2000

DEPARTMENT OF THE IN BUREAU OF LAND MANAG	KF.	CEIVED	5. Lease Serial No. NM-108454	
APPLICATION FOR PERMIT TO DI	// FE 01/1/FE:11/F:/	R 0 5 2005	6. If Indian, Allottee or Tril	oe Name
la. Type of Work: X DRILL REF	ENTER	APTERIA	7. If Unit or CA Agreemen	t, Name and No.
			8. Lease Name and Well N	0.
b. Type of Well: Oil Well Gas Other Well	Single Zone	Multiple Zone	Mystery AYM Fe	deral #2
2. Name of Operator Yates Petroleum Corporation			9. API Well No.	34060
3A. Address 105 South Fourth Street	3b. Phone No. (include area code	•	10. Field and Pool, or Exploratory	
Artesia, New Mexico 88210	(505) 748-147	<u>'1 </u>	G.N. G. Lard	
4. Location of Well (Report location clearly and in accordance with any	-		11. Sec., T., R., M., or Blk.	-
At surface 1150' FSL an			Section 33, T2	0S-R25E
At proposed prod. Zone 14. Distance in miles and direction from nearest town or post office*	ame		12. County or Parish	13. State
Approximately 16 miles northwest of Carlsbad,	Now Movies		· · · · · · · · · · · · · · · · · · ·	NM
15. Distance from proposed*	16. No. of Acres in lease	17. Spacing Un	Eddy County it dedicated to this well	14101
location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	320	array array	S/2	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. .6 of mile	19. Proposed Depth 10000'	20. BLM/BIA I	Bond No. on file 585997	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will	start*	23. Estimated duration	
3686' GL	ASAP 45 days			s
	24. Attachments			
The following, completed in accordance with the requirements of Onshor	e Oil and Gas Order No. 1, shall b	e attached to this	form:	
Well plat certified by a registered surveyor.	4. Bond to cove	er the operations	unless covered by an existing	bond on file (see
2. A Drilling Plan.	Item 20 abov	re).		
3. A Surface Use Plan (if the location is on National Forest System Land	s, the 5. Operator cert	ification. 🕻 🚧	ehad Controlled Wo f	or Decin
SUPO shall be filed with the appropriate Forest Service Office.	6. Such other sit authorized of	•	ation and/or plans as may be r	equired by the
25. Signatur M Dwall	Name (Printed/Typed)		Date	2/9/05
Regulatory Agent				
Regulatory Agent				
Approved by (Signature) /s/ Tony J. Herrell	Name (Printed/Typed) /s/ Tot	ıy J. Heri	ell Date	PR 0 4 2005
FIELD MANAGER	Office CARI	SBAD F	FIELD OFFICE	
Application approval does not warrant or certify that the applicant holds	legal or equitable title to those righ	its in the subject	lease which would entitle the a	pplicant to conduct
operations thereon. Conditions of approval, if any, are attached.		APPRO	VAL FOR 1 Y	EAR

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)

Dr., Hobbs, NM 88240 and Avenue, Artesia, NM 88210 6 Brazos Road, Aztec, NM 87410 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

Oil Conservation Division

For drilling and production facilities, submit to appropriate NMOCD District Office.

For downstream facilities, submit to Santa Fe office

Form C-144

March 12, 2004

1220 South St. Francis Dr. Santa Fe, NM 87505

Pit or Below-Grade Tank Registration or Closure	
Is pit or below-grade tank covered by a "general plan"? Yes X No	
Type of action: Registration of a pit or below-grade tank X Closure of a pit or below-grade tank]

Operator: YATES PETROLEUM CORPORATION Telephone: (505) 748-14	71 e-mail address:				
Address: 105 South Fourth Street, Artesia, NM 88210					
Facility or well name: Mystery AYM Federal #2 API #: 30-015-34	060 U/L or Qtr/Qtr O Sec 33 T 20S	R 25E			
County: Eddy Latitude N.32 31'33.4" Longitude E.104 29'15.2	NAD: 1927 X 1983 Surface	e Owner Federal X State Private Indian]		
Pit	Below-grade tank				
Type: DrillingX Production Disposal D	Volume:bbl Type of fluid:				
Workover	Construction material:	_			
Lined X Unlined ☐ Liner type: Synthetic X Thickness _12_mil Clay ☐ Volume 20,000 bbl	Double-walled, with leak detection? Yes If	not, explain why not.			
	Less than 50 feet	(20 points)			
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(10 points)			
water elevation of ground water.)	100 feet or more	(0 points) 0			
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)			
water source, or less than 1000 feet from all other water sources.)	<u>No</u>	(0 points 0			
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)			
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)			
inigation canals, dicites, and perennal and epitemetal watercourses.	1000 feet or more	(0 points) 0			
·	Ranking Score (Total Points)	0			
If this is a pit closure: (1) attach a diagram of the facility showing the pit's	relationship to other equipment and tanks. (2) Ind	ficate disposal location:			
onsite offsite from If offsite, name of facility	(3) Attach a general description of remedial a	action taken including remediation start date and	end		
date. (4) Groundwater encountered: No 🗌 Yes 📋 If yes, show depth belo	w ground surfaceft. and attach san	nple results. (5) Attach soil sample results and a	ì		
diagram of sample locations and excavations.					
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines [], a Date: 2/9/054	my knowledge and belief—) further certify that t general permit X or an (attached) alternative C	he above-described pit or below-grade tank h)CD-approved plan □.	ıas		
Printed Name/Title Cy Cowan, Regulatory Agent	SignatureS	ran			
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations.	relieve the operator of liability should the contents operator of its responsibility for compliance with a	of the pit or tank contaminate ground water or my other federal, state, or local laws and/or			
Approva APR 1 1 2005	\natheref{n}(7			
Printed Name/Title	Signature	*			
		<u> </u>			
١					

State of New Mexico

Energy, Minerals and Natural Resources Department

Revised March 17, 1999 instruction on back

State Lease - 4 Copies Fee Lease - 3 Copies

Submit to Appropriate District Office

T III o Brazos Rd., Aztec, NM 87410 TRICT IV South Pacheco, Santa Pe, NM 87505

660, 380,

1650' 1980' 2310'

2310' 1980' 1650'

660' 330'

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

COMPANY

API P	Number		Pool Code Pool Name					~~~	
Property C	ode			Property Name Well Num MYSTERY "AYM" FEDERAL 2				ımber	
OGRID No.	<u> </u>				Operator			Eleva	lion
025575				TAY	ES PETROLEU	M CORPORATION		3686	
					Surface 1	ocation			
or lot No.	Section 33	Townsh 20S	- 1	Lot idn	Feet from t	he North/South line SOUTH	Feet from the 1980	East/West line EAST	County
		l	Bottom	Hole I	ocation If D	ifferent From Sur	face	<u> </u>	L
or lot No.	Section	Townsh	ip Range	Lot idn	Feet from t	he North/South line	Feet from the	East/West line	Count
				l					
edicated Acres	Joint o	r infill	Consolidation	Code	Order No.				
320	_l				·				
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		OR	A NON-STA	NUARU	UNIT HAS BE	EN APPROVED BY	THE DIVISION		
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							11	bruary 9, 2	005
	Į			1			Date	bruary 9, 2	003
	أحتاج				Children and the s	t van de la vanda de la valada de la companya de l	SURVEY	OR CERTIFICAT	TION
							I hereby certif	y that the well local	ion show
NM-	1(92	45	<i>(1</i> ,					as plotted from field	
1,0,11,	, 00	7,5	7					made by me or nd that the same is	
			•					ie best of my belle	
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							1	/28/2005	
				36	61 3672		Date Survey	ed	
				+		 	Signature	State of	
		N.	.32*31'33.4"		g - _	1980'	Professional	TEMINOS	
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YATES PETROLEUM CORPORATION **Mystery AYM Federal #2**

1150' FSL and 1980' FEL Section 33.T20S-R25E Eddy County, New Mexico

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

San Andres	955'	Strawn	8855'
Glorietta	2615'	Atoka	9195'
Upper Yeso	2785'	Upper Morrow	9525'
Upper Yeso 2 ^{rld} Bone Spring Lime	4900'	Middle Morrow	9595'
3rd Bone Spring Lime	6615'	Lower Morrow	9775'
Wolfcamp .	6380'	Base of Morrow	9860'
Cisco Canyon	7555'	TD	10000'

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

Water:

200' - 300'

Oil or Gas: All potential zones

Pressure Control Equipment: BOPE will be installed on the 9 5/8" casing and rated for 3. 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:

Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a 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.

THE PROPOSED CASING AND CEMENTING PROGRAM: 4.

A. Casing Program: (All New)

<u>Hole Size</u>	Casing Size	Wt./Ft	<u>Grade</u>	<u>Thread</u>	<u>Interval</u>	Length
17 ½"	13 3/8"	48#	H-40	ST&C	0-400'	400' WITNESS
12 1/4"	9 5/8"	36#	J-55	ST&C	0-3450'	3450' WITNESS
8 3/4"	5/1/2"	15.5#+17#	J-55+L80	LT&C	0-10000'	10000'

Yates Petroleum Corporation requests a variance to install a rotating head on the surface casing strings when intermediate casing will be set. If a BOP system is required then we wish to install a 2M system and receive a variance to test the system to 1000# using the rig pumps. The test will be held for 30 minutes on each system component. Components to be tested include pipe rams, blind rams, and annular preventer.

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

B. CEMENTING PROGRAM:

Surface casing: 450 sx 'C' + 2% CaCl2(YLD 1.34 WT 14.8).

Intermediate casing: 1100 sx Lite C (Yld 1.98 WT 12.5) Tail in w/200 sx

Class C (YLD 1.34 WT 14.8).

Production Casing: TOC 3000', Lead w/ 750 sx Lite 'C' (YLD 1.95 WT 12.5)

Tail in w/ 775 sx Super 'C' Modified (YLD 1.57 WT 13.2).

5. Mud Program and Auxiliary Equipment:

<u>Interval</u>	<u>Type</u>	Weight	Viscosity	Fluid Loss
Spud to 400'	FW/Spud Mud	8.4-8.6	34-36	N/C
400'-3500'	Fresh Water	8.4	28	N/C
3500'-6800'	Cut Brine	8.7-9.0	28	N/C
6800'-7755'	Cut Brine	9.0-9.3	28	N/C
7755'-8800'	Cut Brine	9.3-9.6	34	N/C
8800'-10000'	SW/Gel/Starch/4%-6% KCL	9.6-9.8	30-32	<6 cc

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' out from under intermediate casing to TD.

Logging: Platform Express/HALS/NGT/FMI.

Coring: None anticipated.

DST's: Possible from Wolfcamp to TD.

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

From: 0 TO 400' Anticipated Max. BHP: 180 PSI From: 400' TO 3500' Anticipated Max. BHP: 1550 PSI From: 3500' TO 10000' Anticipated Max. BHP: 5100 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None

Maximum Bottom Hole Temperature: 189° 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.

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:

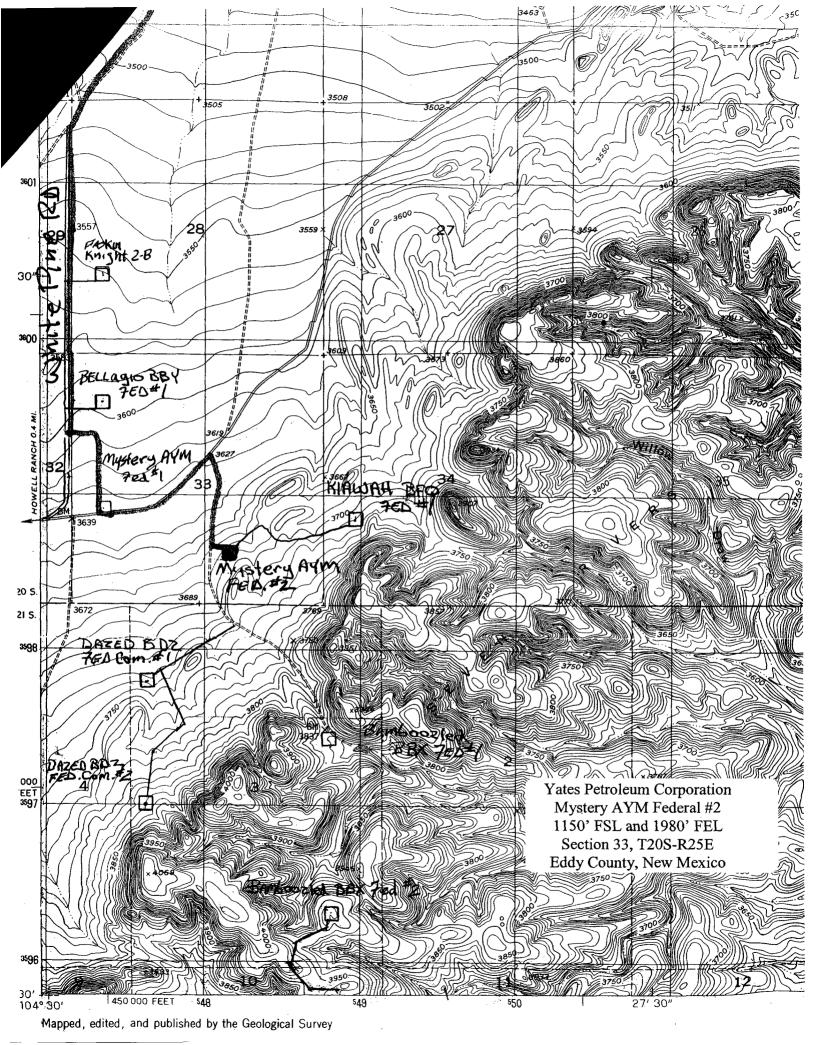
Pinson McWhorter, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

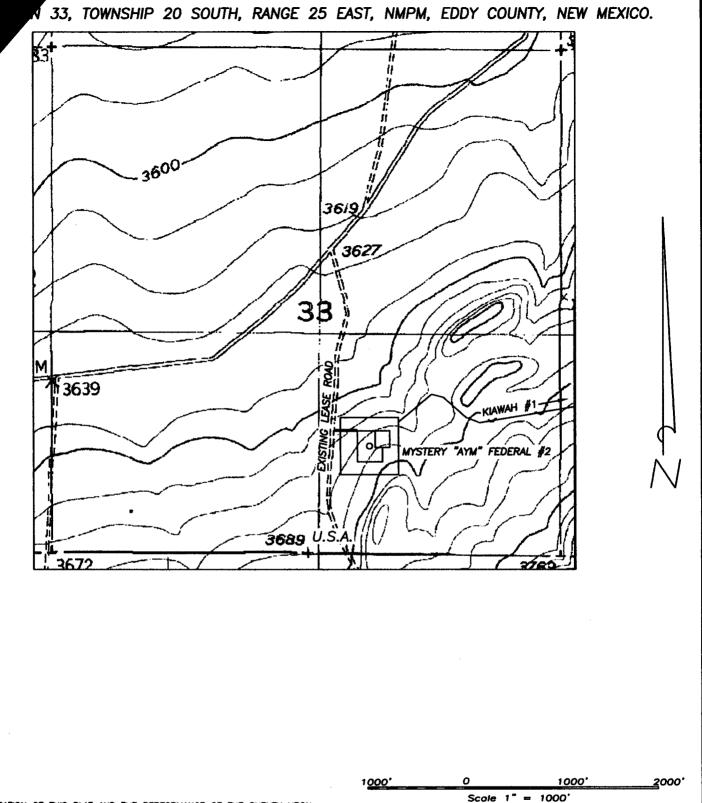
14. CERTIFICATION:

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.

2/9/05

Regulatory Agent





THE PREPARATION OF THIS PLAT AND THE PERFORMANCE OF THE SURVEY UPON WHICH IT IS BASED WERE DONE ORDER THE DIRECTION AND THE PLAT ACCURATELY DEPICTS THE RESULTS OF LAW SURVEY AND MEET THE REQUIREMENTS OF THE STANDARD FOR LAWS SURVEYS IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STANDARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYBRATED TO THE SURVEY UPON MEXICO AND THE PLAT ACCURATED TO THE SURVEY UPON MEXICO AND THE PLAT ACCURATED TO THE SURVEY UPON MEXICO AS ACCURATED TO THE SURVEY AND MEXICO AS ACCURATED TO THE SURVEY UPON THE SURVEY UPON TO THE SURVEY UPON THE SURVEY UPON THE SURVEY UPON THE SURVEY

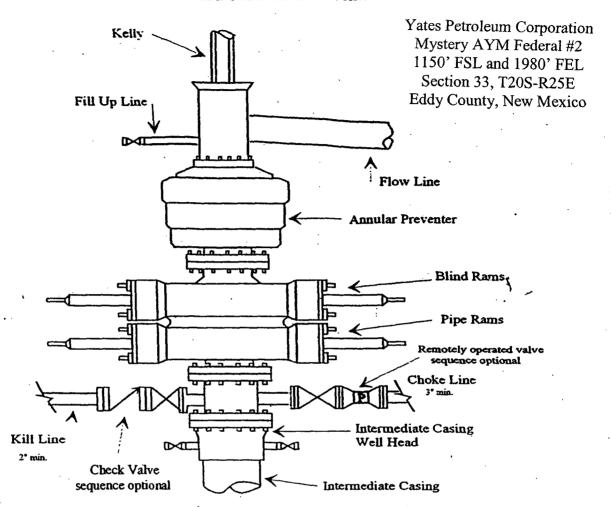
YATES PETROLEUM CORP.

LEASE ROAD TO ACCESS THE YATES MYSTERY "AYM" FEDERAL #2 WELL, LOCATED IN SECTION 33, TOWNSHIP 20 SOUTH, RANGE 25 EAST, NMPM, EDDY COUNTY, NEW MEXICO.

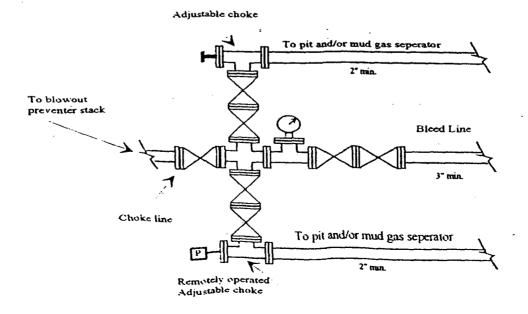
Survey Date: 1/28/2005	Sheet 1 of 1 Sheets
Drawn By: Ed Blevins	W.O. Number
Date: 1/29/05	Scale 1" = 1000' MYSTERY 2

Yates Petroleum Corporation

Typical 5,000 psi Pressure System
Schematic
Annular with Double Ram Preventer Stack



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



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



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (505) 748-1471

February 10, 2005

To: Bryan Arant From: Cy Cowan

Re:

Yates Petroleum Corporation

Mystery AYM Federal #2 H2S Contingency Plan

Sources at Yates Petroleum Corporation have relayed information to me that they believe there will not be enough H2S found from the surface through the Morrow Formation to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118.

Thank you,

YATES PETROLEUM CORPORATION

Cy Coy an

Regulatory Agent

S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT

PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY

DENNIS G. KINSEY TREASURER