

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210		² OGRID Number 025575
		³ API Number 30-025-25749
⁴ Property Code 25265	⁵ Property Name Hytech AUM State	⁶ Well No. 1

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	10-S	34-E		660'	South	660'	West	Lea

⁸ Proposed 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
⁹ Proposed Pool 1 Wildcat Mississippian					¹⁰ Proposed Pool 2				

¹¹ Work Type Code E + D	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4152.9'
¹⁶ Multiple No	¹⁷ Proposed Depth 12,200'	¹⁸ Formation Mississippian	¹⁹ Contractor Not determined	²⁰ Spud Date ASAP

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48 #	385'	420 sx	In Place
11"	8 5/8"	24 & 32 #	4085'	150 sx	In Place
7 7/8"	4 1/2"	11.6 #	12,200'	800 sx	TOC-7500'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.
Describe the blowout prevention program, if any. Use additional sheets if necessary.

See Attached page 2

Partial Plugback Application
On a Unit Existing and Very
ReEntry & Deepen

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Ken Beardemphl</i>		OIL CONSERVATION DIVISION APPROVED BY: <i>CHUCK WILLIAMS</i> DISTRICT I SUPERVISOR	
Printed name: Ken Beardemphl		Title:	
Title: Landman		Approval Date: Jan. 21 2000	Expiration Date:
Date: January 20, 2000	Phone: (505) 748-1471	Conditions of Approval: Attached <input type="checkbox"/>	

JCT

1

YATES PETROLEUM CORPORATION

Hytech AUM State #1

Drilling Prognosis

Page 2

This well was drilled by Hytech Energy Corporation as the Dalco # 1. Plugged and Abandoned in 1978.

Yates Petroleum Corporation's plan is to re-enter the well with a pulling unit and reverse unit to drill out the cement plugs in the 13 3/8" casing and in the top of the 8 5/8" casing at 1063', then tie back the 8 5/8" casing to surface. After the casing has been repaired and the cement plug in the bottom of the 8 5/8" casing at 4085' has been drilled out, a drilling rig will be moved on the well and the drilling rig will drill out the cement plugs in the 7 7/8" open hole and will deepen the well from 10,500' to 12,500'. Mud to be used is 9.5 - 9.8 ppg brine water, 55-70 vis. After reaching TD a new suite of open hole logs will be run then a string of 4 1/2" casing will be run to bottom and cemented to 7500' +/- . The well will be completed with a pulling unit. Possible formations to be completed will be the Atoka/Morrow from 11,500' +/- to 12,200' +/- .

BOPE PROGRAM: 5000 # BOPE will be installed on the 8 5/8" casing and tested daily.

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State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised March 17, 1999

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-25749		² Pool Code	³ Pool Name Wildcat Mississippian
⁴ Property Code 25265	⁵ Property Name Hytech AUM State		⁶ Well Number 1
⁷ OGRID No. 025575	⁸ Operator Name Yates Petroleum Corporation		⁹ Elevation 4152.9'

¹⁰ Surface Location

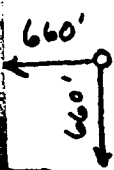
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	10-S	34-E		660'	South	660'	West	Lea

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
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

¹⁶				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Ken Beardemphl</u> Printed Name Ken Beardemphl Title Landman Date January 20, 2000
	VA-1338			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. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator Hytech Energy Corp.		Lease Dalco #1		Well No. 1
Unit Letter M	Section 2	Township 10 South	Range 34 East	County Lea
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the West line				
Ground Level Elev. 4152.9	Producing Formation Bough Zone	Pool Wildcat	Dedicated Acreage 160 ⁴⁰ / ₁₀₀ Acres	

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).
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.

A 3x3 grid with a 45-degree shaded bottom-left quadrant. A small circle is located in the bottom-left cell, with coordinates (0.99, 0.99) labeled next to it.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

~~Name~~
J. D. Moring

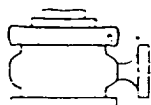
Position
Area Manager

Company
Eytch Energy Corporation

Date
10-21-77

I hereby certify that the well location shown on this plot 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.

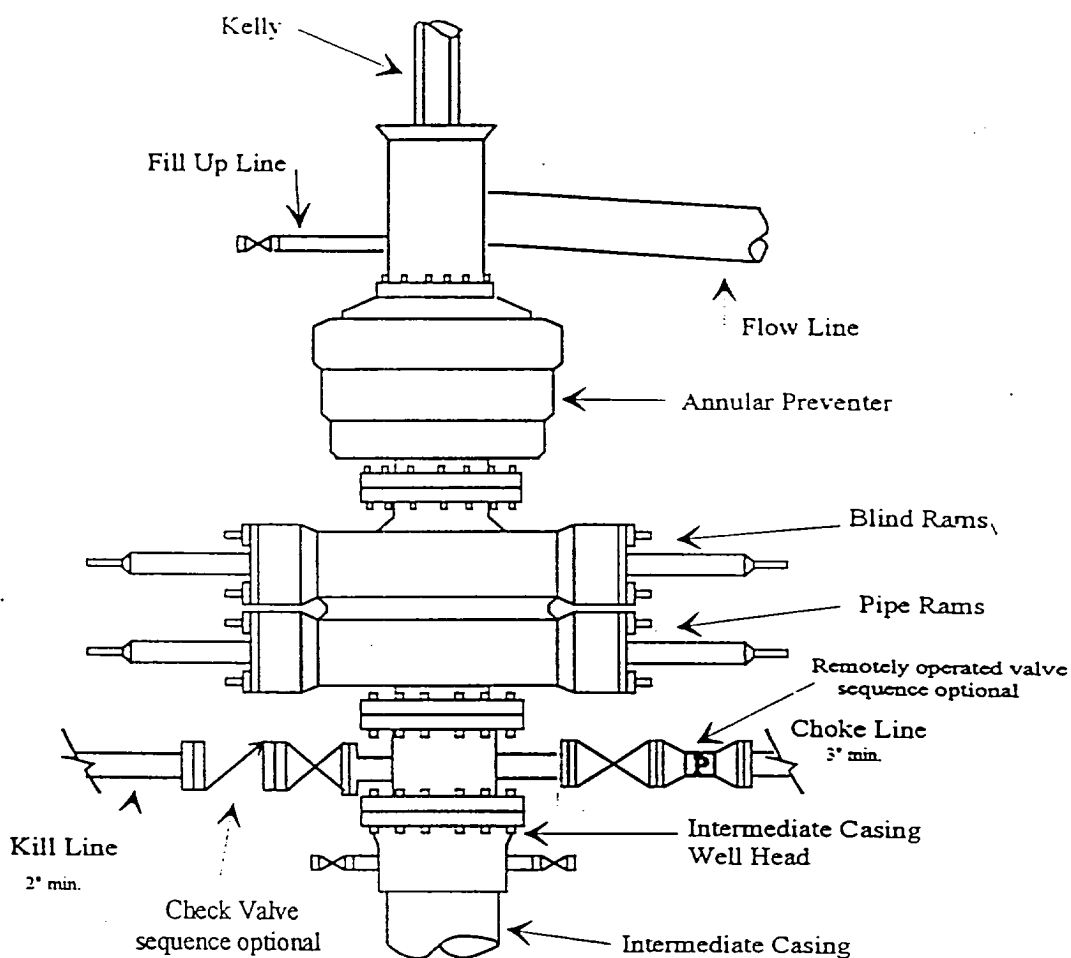
Date Surveyed: October 14, 1971
Registered Professional Engineer
and/or Land Surveyor
673



Yates Petroleum Corporation

BOP-4

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

