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RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION
DEC 15 1976
O. C. C.
ARTESIA, OFFICE

30-015-22000

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-7596	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Empire South Deep Unit	
2. Name of Operator		8. Farm or Lease Name	
Harvey E. Yates Company, Inc. <i>Agent for Amoco Prod. Co. Unit Operator</i>			
3. Address of Operator		9. Well No.	
Suite 1000 Security National Bank Bldg. Roswell, New Mexico 88201		13	
4. Location of Well		10. Field and Pool, or Wildcat	
UNIT LETTER <u>N</u> LOCATED <u>1980</u> FEET FROM THE <u>West</u> LINE		Undesignated - South	
AND <u>660</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>30</u> TWP. <u>17S</u> RGE. <u>29 E</u> NMPM		Empire Morrow	
		12. County	
		Eddy	
		19. Proposed Depth	
		11,000'	
		19A. Formation	
		Morrow	
		20. Rotary or C.T.	
		Rotary	
21. Elevations (Show whether DF, RT, etc.)		21B. Drilling Contractor	
3646.0 GL		Moranco	
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
Nationwide		1/15/77	

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	12-3/4"	34#	450'	300 sx circ	
12 1/4" - 11"	8-5/8"	32# - 24#	2900'	300' sx	1500' *
7-7/8"	5-1/2"	17# - 20#	11,000'	1000 sx	

This acreage is not dedicated to a gas purchaser.

BOF - See attachment

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 3-21-77

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Paul G. Yates Title Vice President Date 12/14/76

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE DEC 21 1976

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
surface behind 12 3/4" casing

* Cement top must be verified
by temperature survey

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-120
Effective 1-1-63

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

Operator Harvey E. Yates Company, Inc.			Lease <i>South</i> South Empire Deep Unit		Well No. 13
Unit Letter N	Section 30	Township 17 S	Range 29 E	County Eddy	
Actual Footage Location of Well: 1980 feet from the west line and 660 feet from the south line					
Ground Level Elev. 3646.0	Producing Formation Morrow		Pool Empire Morrow-South, Gas		Dedicated Acreage: 296.57 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 Unitization

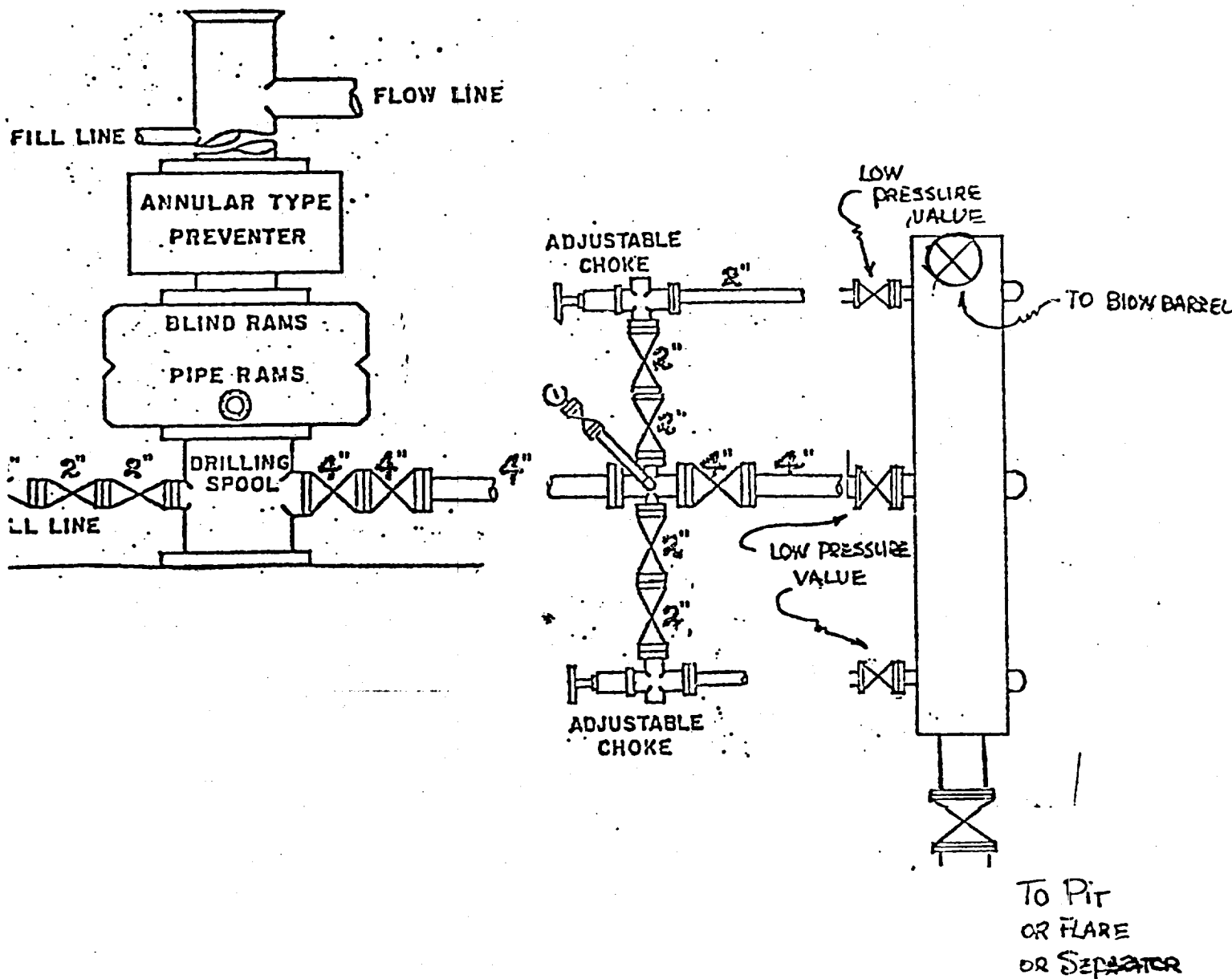
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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.

<div style="text-align: center; font-size: 2em; font-weight: bold;">RECEIVED</div> <div style="text-align: center; font-size: 1.5em;">DEC 8 - 1976</div> <div style="text-align: center; font-weight: bold;">O. C. C. ARTESIA, OFFICE</div> <div style="border: 1px solid black; padding: 10px; margin-top: 20px;"> <p align="center">T 17 S</p> <p align="center">R 29 E</p> <p>Lot 3 28.17 ACS.</p> <p>STATE OG-181-1 HEYCO</p> <p>40 ACS.</p> <p>DEPCO - 50% HUSKY - 50%</p> <p>80 AC</p> <p>Lot 4 28.40 ACS</p> <p>STATE B-7596 CANOCO</p> <p>40.00 ACS</p> <p>USA LC 062407</p> <p>80 AC</p> <p>DEPCO 25% HUSKY 25% TENNECO 50%</p> <p align="center">South Empire Deep Unit No. 13</p> <p>1980' ←</p> <p>660' ↓</p> <p>← 937'</p> </div>	<p align="center">CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p align="right"><i>Fred G. Yates</i></p> <p>Name Fred G. Yates</p> <p>Position Vice President</p> <p>Company Harvey E. Yates Company, Inc.</p> <p>Date December 3, 1976</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>Date Surveyed December 1, 1976</p> <p>Registered Professional Engineer and/or Land Surveyor <i>Thomas J. Moun</i></p> <p>Certificate No. 277 N.M.</p>
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CHOKE MANIFOLD

1500 SERIES



SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF AGENT

The undersigned is, on the records of the Geological Survey, unit operator under the Empire South Deep Unit Agreement, Eddy County, New Mexico, No. 14-08-0001-11591, approved September 13, 1971,

and hereby designates

NAME: Harvey E. Yates Company, Inc.

ADDRESS: Suite 1000, Security National Bank Building, Roswell,
New Mexico 88201

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the Supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to:

Drilling, testing, and completing Unit Well No. 13 in the SE/4 SW/4 of Section 30, Township 17 South, Range 29 East, N.M.P.M, Eddy County, New Mexico.

It is understood that this Designation of Agent does not relieve the Unit Operator of responsibility for compliance with the terms of the Unit Agreement and the Oil and Gas Operating Regulations. It is also understood that this Designation of Agent does not constitute an assignment of any interest under the Unit Agreement or any lease committed thereto.

In case of default on the part of the Designated Agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representatives.

The Unit Operator agrees promptly to notify the Oil and Gas Supervisor of any change in the Designated Agent.

This Designation of Agent is deemed to be temporary and in no manner a permanent arrangement.

This Designation of Agent is limited to field operations and does not cover administrative action requiring Unit Operator's specific authorization.

November 4, 1976
Date

C. N. Menninger
AMOCO PRODUCTION COMPANY
UNIT OPERATOR

By C. N. MENNINGER
Its Attorney in Fact

APPROVED
Km



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO



STATE GEOLOGIST
EMERY C. ARNOLD

December 9, 1976

Harvey E. Yates Co., Inc.
Suite 1000
Security Nat'l Bank Bldg.
Roswell, NM 88201

Re: Empire South Deep Unit
#13-N-30-17-29
Eddy County, NM

Gentlemen:

We are returning the enclosed Form C-101 on the subject well for corrections and additional information.

1. The unit name is Empire South Deep Unit.
2. Pool name should be Undesignated South Empire Morrow.
3. Approximately 450' of surface casing will be required.
4. The 8 5/8" casing could be set around 2900' unless you have a reason to set it at 3400', further said 8 5/8" must be cemented back to at least 1500', and the top verified by temperature survey. Shenandoah has an injection well on the same 40 acres and they have injected 721,520 barrels of water, and their injection pressure is 1650#. Injection interval is from 2285-2450'.

Further, please state if the gas is dedicated or not dedicated to a gas purchaser. See attached memo.

If you have any questions concerning this matter, please feel free to call upon me.

Sincerely yours,

W.A. Gressett
Supervisor, District II









WAG:sm

Enclosures

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

Operator			Lease			Well No.		
Unit Letter	Section	Township	Range	County				
Actual Footage Location of Well:								
<div> <div>feet from the</div> <div>line and</div> <div>feet from the</div> <div>line</div> </div>								
Ground Level Elev.	Producing Formation		Pool			Dedicated Acreage:		
						Acres		

- 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.

	<p>260  6167.77 Premier</p>	<p>260  6167.77 Premier</p>	
<p>260  6167.77 Premier</p>	<p>260  6167.77 Premier</p>	<p>260  6167.77 Premier</p>	
<p>260  6167.77 Premier</p>	<p>260  6167.77 Premier</p>	<p>260  6167.77 Premier</p>	

Certificate No.

as per CSN - have application for NSL 6605-1597W 30-17-29