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JUN 28 '88

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
LG-5246

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		ARTESIA, OFFICE	
b. Type of Well		PLUG BACK <input type="checkbox"/>	
OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	SINGLE ZONE <input type="checkbox"/>	MULTIPLE ZONE <input type="checkbox"/>
2. Name of Operator		7. Unit Agreement Name	
Yates Petroleum Corporation			
3. Address of Operator		8. Farm or Lease Name	
105 South Fourth Street - Artesia, NM 88210		Pathfinder AFT State	
4. Location of Well		9. Well No.	
UNIT LETTER 0 LOCATED 990 FEET FROM THE South LINE		1	
AND 1650 FEET FROM THE East LINE OF SEC. 21 TWP. 10S RGC. 27E NMPM		10. Field and Pool, or Wildcat	
		Diablo San Andres	
		12. County	
		Chaves	
		19. Proposed Depth	
		2100'	
		19A. Formation	
		San Andres	
		20. Rotary or C.T.	
		Rotary	
21. Elevations (Show whether DF, RT, etc.)		21B. Drilling Contractor	
3846.6' GR		Undesignated	
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
Blanket		ASAP	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24# J-55	Approx. 600'	300 sacks	Circulate
7-7/8"	5-1/2"	14# J-55	TD	300 sacks	

We propose to drill and test the San Andres formation. Approximately 600' of surface casing will be set and cement circulated. If commercial, production casing will be run and cemented with adequate cover, perforate and stimulate as needed for production.

MUD PROGRAM: Plan to drill to TD using air

POST 10-1
NHL API
7-1-88

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEEN 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 Clifton R. May Title Permit Agent Date June 28, 1988

(This space for State Use)

Original Signed By
Mike Williams

APPROVED BY Oil & Gas Inspector TITLE DATE JUN 29 1988

CONDITIONS OF APPROVAL, IF ANY:

**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.

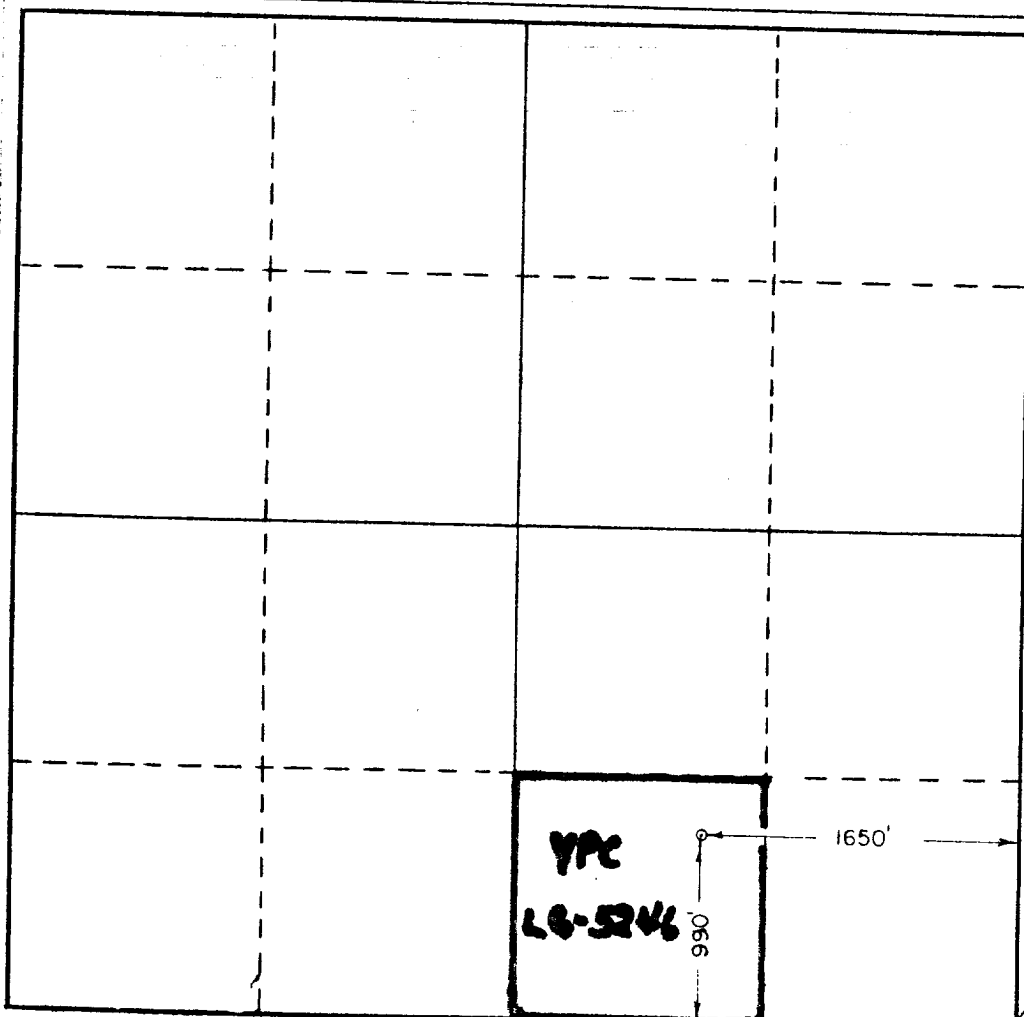
Operator YATES PETROLEUM CORPORATION			Lease PATHFINDER "AFT" STATE		Well No. 1
Unit Letter 0	Section 21	Township 10 South	Range 27 East	County Chaves	
Actual Footage Location of Well: 990 feet from the South line and 1650 feet from the East line					
Ground Level Elev. 3846.6	Producing Formation SAN ANDRES		Pool DIABLO SAN ANDRES	Dedicated Acreage: 40 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.



CERTIFICATION

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

Clifton R. May

Name

Clifton R. May

Position

Permit Agent

Company

Yates Petroleum Corporation

Date

June 28, 1988

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.

Date Surveyed **HERSCHEL**

LG-5246

Registered Professional Engineer

and/or Land Surveyor

ENTERED LAND SURVEY

Certificate No. **3640**

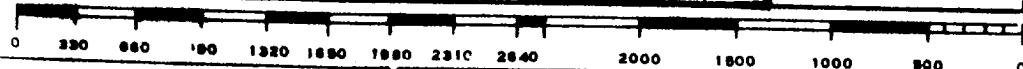


EXHIBIT B

BDP DIAGRAM

RATED 3000[#]

