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Proposed plans are to drill to the Montoya formation and test for possible commercial production. Possibly test intermediate zones of interest.

- 30P sketch is attached.
- Bas not dedicated.

"Location moved 2 times due to archaeology.



OIL & GAS U.S. GEOLOGICAL SURVEY ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED STER TO TO TO KIG	Agent	DATE9/14/82
(This space for Federal or State office use) PERMIT NO. (Orig. Sgd.) GEORGE H. STEVA SEP 2 1 1982	APPROVAL DATE	
APPROVED BY CONDITIONS OF APPROVAL. LETANY CONTRACTOR	TITLE	DATE

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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form C+1.	2
Supersede	# C-128
Effective	1-:-65

		All distances must be from	the outer boundaries o	the Section	
Operator Harpe	er 011 Co.	1.	Yates Fede	ral	Well (1/)
Thit Letter B	Section 10	Township 5 South	Range 27 Hast	Chaves	
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		660'	23.0'	Name Position AGENT Company	CERTIFICATION certify that the information con- trein is true and complete to the my knowledge and belief. y W. Manklin OIL COMPANY
			GINEER & CAMB SURVEYOR 378	shown on nates of under my is true knowledg Date Survey 8-25	-82 Prolessional Engineer
0 330 860	90 1320 1680 19	BO 231C 2640 2000	1 800 1000		No. JOHN W. WEST 676 PATRICK A. ROMERO 6663 Ronald J. Eidson 3239

RECEIVED

APPLICATION TO DRILL

Harper Oil Company Yates Federal No.l 2310' FEL & 660' FNL Sec. 10, T5S, R27E Chaves County, N.M. SEP 2 3 1982

O. C. D. ARTESIA, OFFICE

NM - 16091

The following answers are provided for your consideration in response to your outline under Section II of Bulletin NTL-6:

- 1. Geologic Name of Surface Formation: Aeolian
- 2. <u>Drilling Tools and Associated Equipment</u>: Conventional rotary drilling tools using mud for the circulation medium.
- 3. Proposed Drilling Depth: 74001±

4. Estimated Geological Marker Tops:

San Andres	1320'	Pennsylvanian	60221
Glorietta	24351	Mississippian	6553'
Аро	42681	Strawn	68861
Wolfcamp	52821	Montoya	7185'

- 5. Mineral Bearing Formation: Oil bearing at 70001±
- 6. Casing Program:

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- 13 3/8" Casing Set approximately 350' cf 13 3/8", 48.0#, ST&C casing. Cement to surface using 350 sx of cement.
- 8 5/8" Casing Set approximately 1750' of 8 5/8", 24.0#, ST&C casing. Cement to surface using 950 sx of cement.
- 5 1/2" Casing Set 5 1/2", 15.5 & 17.0⁴, ST&C casing to total depth. Cement with 625 sx of cement to cover all oil, gas, and water zones.
- 7. <u>Pressure Control Equipment</u>: Blowout preventer will consist of a double-ram preventer rated to 3000 psi working pressure. BOP diagram is attached.

-1-



2310' FEL & 660' FNL Sec. 10, T5S, R27E Chaves County, N.M.



- 1. Substructure
- 2. Doghouse

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- 3. Piperacks
- 4. Catwalk
- 5. Mud Pumps
- 6. Light Plant
- 7. Water Tank
- 8. Working Pits
- 9. Reserve Pit
- 10. Trash Pit
- 11. Trailer House

EXHIBIT 'C' Harper Oil Company Yates Federal No. 1 2310' FEL & 660' FNL Sec. 10, T5S, R27E Chaves County, N.M.



E S

Blowout Preventer 3000 psi working pressure