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4 LOCATION OF WELL (]	Report location clearly and	in accordance with	th any St	ate requirements.*	5 T P	McMillan SR	Queen
At surface			-			11. SEC., T., B., M., OR	
2310' F	WL & 1650' FS	Г		ARTESIA, (Jerrin JE	AND SUBVEY OR AF	
At proposed prod. zo	DP					17- K	
Same						1-20-26	
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFICE	•		12. COUNTY OR PARISH	13. STATE
						Eddy	New Mexico
15. DISTANCE FROM PROP	POSED*		16. NO.	OF ACRES IN LEASE		OF ACRES ASSIGNED THIS WELL	
LOCATION TO NEARES PROPERTY OR LEASE	LINE, FT.			40	10	40	
(Also to nearest dr 18. DISTANCE FROM PRO	lg. unit line, if any)		19. PR	POSED DEPTH	20. RO	TARY OR CABLE TOOLS	
	DRILLING, COMPLETED,		550'		Cable Tool		
	hether DF, RT, GR, etc.)		I		<u> </u>	22. APPROX. DATE WO	BK WILL START*
						June 26,	1981
3311' 0			<u>.</u>			buile 20,	
23.	P	ROPOSED CASI	NG AND	CEMENTING PROG	RAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00T	SETTING DEPTH		QUANTITY OF CEME	ŇT
7 7/8"	4 1/2"	10.5	#	550'	150	Sxs. circ. t	o surface
	_						

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Plan to drill and complete well to test the Seven Rivers Queen Formation. Will set 550' of 4 1/2", 10.5# casing and complete open hole. Interval to be treated will be based on sample logs.



IN ABOVE SPACE DESCRIBE PROFOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone 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 DENCLOR CLA	M TITLE President	6/2/81
(This space for Federal or State office use)	/	
PERMIT NO. APPROVED	APPROVAL DATE	
APPROVED B	TITLE	
UNDITIONS OF APPROVAL, IF ANY : JUN 22 1981		
FOR		
JAMES A. GILLHAM DISTRICT SUPERVISOR	*See Instructions On Reverse Side	

STATE OF NEW MEXICO INFROY AND MINERALS DEPARTMENT

OIL COPERVICED REVISION

- O NOX 2088

Ferr E-102 Ferised 10-1-78

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COLLIER ENERGY, INC. Sparrow Federal #1 NM-13821 2310' FWL & 1650' FSL, Sec. 1, T-20-S, R-26-E Eddy County, New Mexico

To supplement USGS Form 9-331C, "Application to Drill", the following additional information is submitted concerning questions cn page 5 of NTL-6:

- 1. See Form 9-331C.
- 2. See Form 9-331C.
- 3. The Geological Name of Surface Formation is: Typic Gypsiorthid and Calcic Gypsiorthid subgroup.
- 4. See Form 9-331C.
- 5. See Form 9-331C.
- 6. Estimated Tops of Geological Markers are:

Seven	Rivers	225 '
Queen		440'

7. The estimated depths at which anticipated water, oil, gas and mineral bearing strata are as follows:

Seven	Rivers	225'
Queen		440'

- 8. See Form 9-331C. All casing will be new.
- See Form 9-331C for depths of strings. Cement volumes and additives are as follows:

4 1/2" casing: Cement with 150 Sxs. of Class "C" w/2% gel and 5# salt/sx.

- 10. Well will be drilled with a Cable Tool rig. No pressure control equipment.
- 11. No mud program. Well will be drilled with a Cable Tool rig.
- 12. Logging and testing is shown on Application to Drill.
- 13. No abnormal hazards are expected.
- 14. Anticipated starting date is June 26, 1981. Duration of operations should be sixty (60) days.

SURFACE USE PLAN

COLLIER ENERGY, INC.

Sparrow Federal #1 NM-13821

2310' FWL & 1650' FSL, Sec. 1, T-20-S, R-26-E Eddy County, New Mexico

This plan is submitted with Application to Drill on the above described well. The purpose of this plan is to describe the location, proposed construction activities and operations plan, magnitude of necessary surface disturbance, and procedures to be followed in rehabilitating the surface after completion of the operation so that complete appraisal can be made of the environmental effects associated with the operation.

1. Existing Roads:

Go south out of Lakewood on improved road for three (3) miles. Turn left on first caliche road past the dam. Follow caliche road approximately one (1) mile to location.

2. Planned Access Road:

No access road will be required. No gates or cattleguards are necessary. See Exhibit "A".

3. Location of Existing Wells in Area:

See Exhibit "B".

4. Location of Proposed Facilities:

Location of well site and tank battery is shown on Exhibit "C". The battery will be located on proposed well pad, no additional surface disturbance will be necessary.

5. Water for Drilling:

Water will be hauled in for cementing only.

6. Source of Construction Materials:

No caliche will be required for this location.

Surface Use Plan Sparrow Federal #1 Page Two

- 7. Handling Waste Disposal:
 - a) Drill cuttings disposed into drilling pits.
 - b) Produced water during testing drill pits.
 - c) Produced oil during testing storage tank until sold.
 - d) Current laws and regulations pertaining to disposal of human waste will be complied with.
 - e) Waste paper, garbage, junk disposed of into special trash pit at location and covered with minimum of 24 inches of dirt upon completion of well. All waste material will be contained to prevent scattering by wind.
- All trash and debris will be buried or removed from well site within thirty (30) days after finish drilling and/or completion operations.
- 9. Ancillary Facilities:

Layout of rig, etc. will be shown on Exhibit "C". The location will be kept as small as possible to accomodate rig.

- 10. Plans for Restoration of Surface:
 - a) After completion of drilling and/or completion of operations, all equipment and other material not needed for operations will be removed. Pits will be filled and locations cleaned of trash and junk to leave well site in aesthetically pleasing a condition as possible.
 - Any unguarded pits containing fluids will be fenced until filled.
 - c) After abandonment of well, surface restoration will be in accordance with State of New Mexico surface requirements.
- 11. Topography and Soil:

See attached New Mexico Archaeological Service, Inc. report by Dr. J. Loring Haskell.

12. Land Use:

Grazing and Hunting.

Surface Use Plan Sparrow Federal #1 Page Three

13. Operators Representatives:

COLLIER ENERGY, INC. P.O. Drawer R Artesia, New Mexico 88210 746-6520

Donald R. Craig 746-6372 Herman Herring 746-9396

14. Certification:

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route; that I am familiar with conditions which presently exist; that the statements made in this plan are, to be best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by Collier Energy, Inc. and its contractors and sub-contractors in uniformity with this plan and the terms and conditions under which it is approved.

COLLIER ENERGY, INC.

Dated: _____ June 2, 1981

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DONALD R. CRAI President



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EXHIBIT "B"

COLLIER ENERGY, INC.

Sparrow Federal NM-13821 T-20-S, R-26-E, N.M.P.M. Sec. 1: 2310' FWL & 1650' FSL Eddy County, New Mexico

