

NM OIL & GAS COMMISSION
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425

30-015-24475

9/8/83

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☒ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
COLLIER ENERGY, INC. ✓

3. ADDRESS OF OPERATOR
P. O. Drawer R, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 990' FNL & 870' FEL of Section. (NE 1/4 NE 1/4)
At proposed prod. zone same (Unit A)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
17 air miles south-southeast of Artesia, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 330'

16. NO. OF ACRES IN LEASE 719.91

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4000'

19. PROPOSED DEPTH 1800' San Andres

20. ROTARY OR TABLE TOOLS Rotary

21. ELEVATIONS (Show whether DE, RT, GR, etc.) 3309' G.L.

22. APPROX. DATE WORK WILL START* March 1, 1983

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	250' 400'	Sufficient to circulate
7 7/8"	5 1/2"	15.5#	1800'	Sufficient to circulate

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Well Location & Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan
4. Archaeological Report

Posted as per
RD-16417
5-6-83

RECEIVED

MAR 8 1983

OIL & GAS
MINERALS MGMT. SERVICE
ROSWELL, NEW MEXICO

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. 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 Vickie Teel TITLE Production Clerk DATE February 4, 1983

(This space for Federal or State office use)

PERMIT NO. ORIG. SIGNED JAMES A. GILLHAM APPROVAL DATE APR 22 1983

APPROVED BY Armando A. Lopez TITLE Asst. Dist. Mgr. for Minerals DATE APR 22 1983

CONDITIONS OF APPROVAL, IF ANY:

(ORIG. SGD.) ARMANDO A. LOPEZ

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section

Operator Collier Energy, Inc.			Lease Sparrow Federal		Well No. #2
Unit Letter A	Section 11	Township 20 South	Range 26 East	County Eddy	
Actual Postage Location of Well:					
990 feet from the North line and		620 feet from the East line			
Ground Level Elev. 3309	Producing Formation San Andres	Pool Wildcat	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

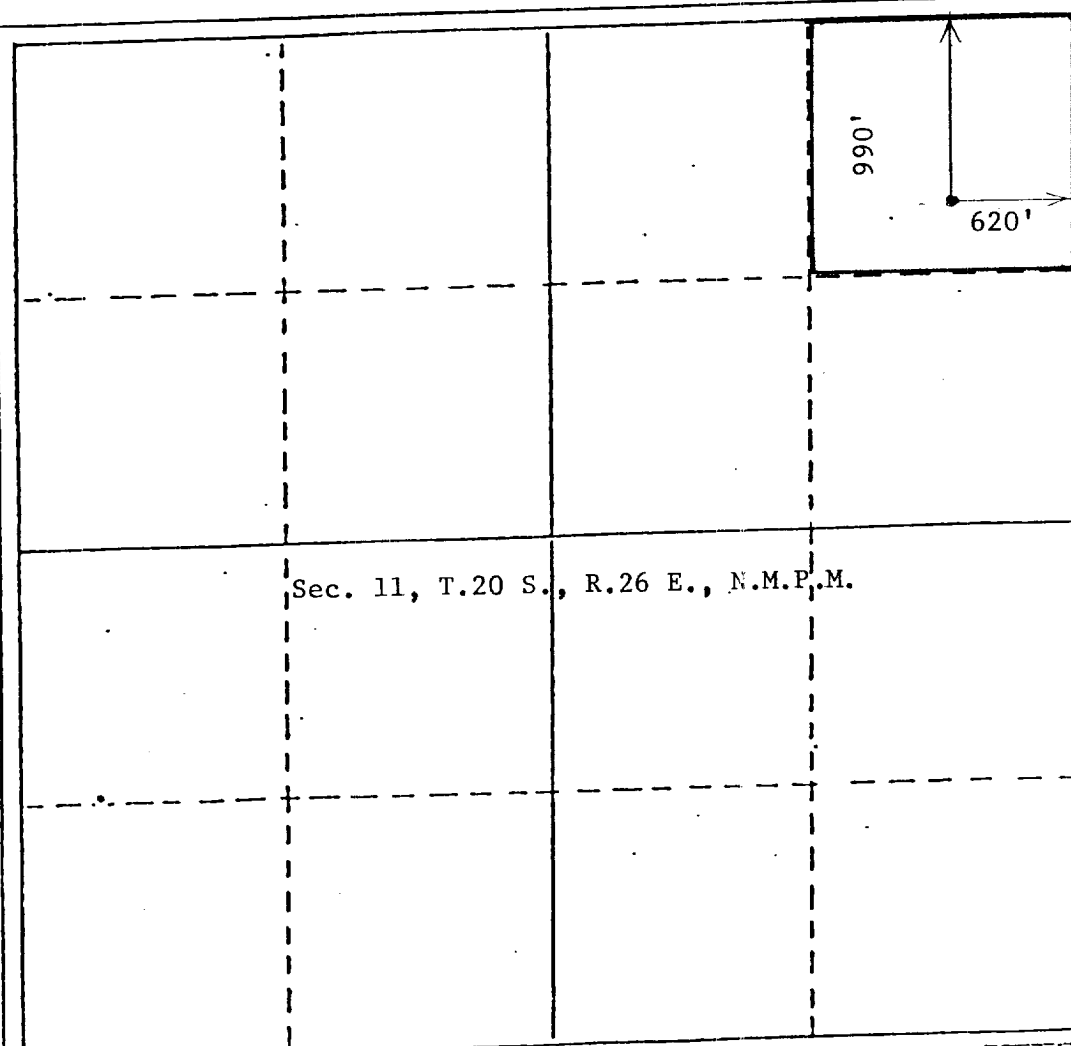
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 Division.



CERTIFICATION

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

Name

Vickie Teel

Position

Production Clerk

Company

Collier Energy, Inc.

Date

April 19, 1983

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.

JOHN D. JAQUESS
NEW MEXICO
April 16, 1983
Registered Professional Engineer
and Surveyor
John D. Jaquess, P.E. & L.S.
Certificate No. 6290

SUPPLEMENTAL DRILLING DATA

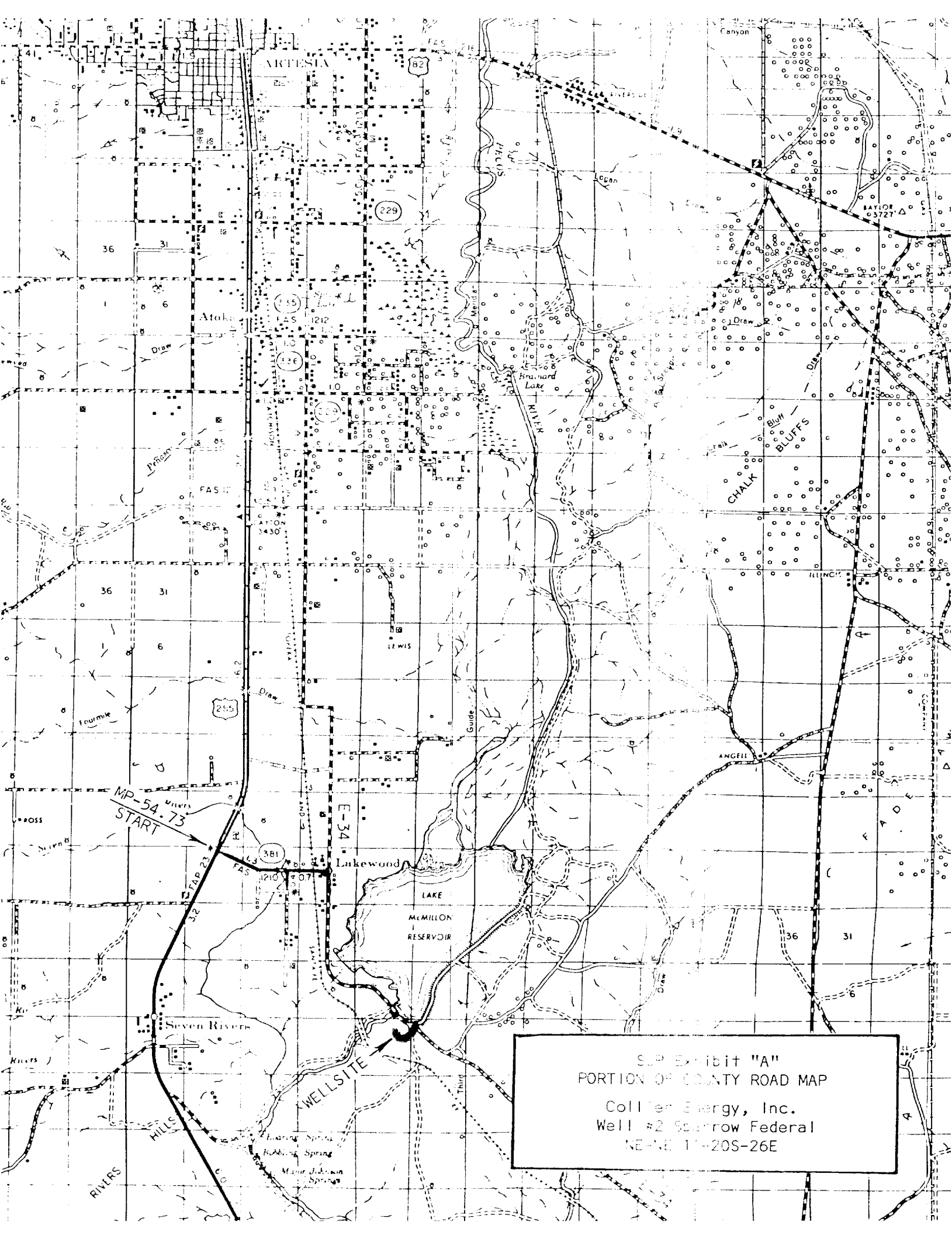
COLLIER ENERGY, INC.
WELL #2 SPARROW FEDERAL
NE $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 11-20S-26E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Seven Rivers formation of Permian Age. (G.L. 3304')
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

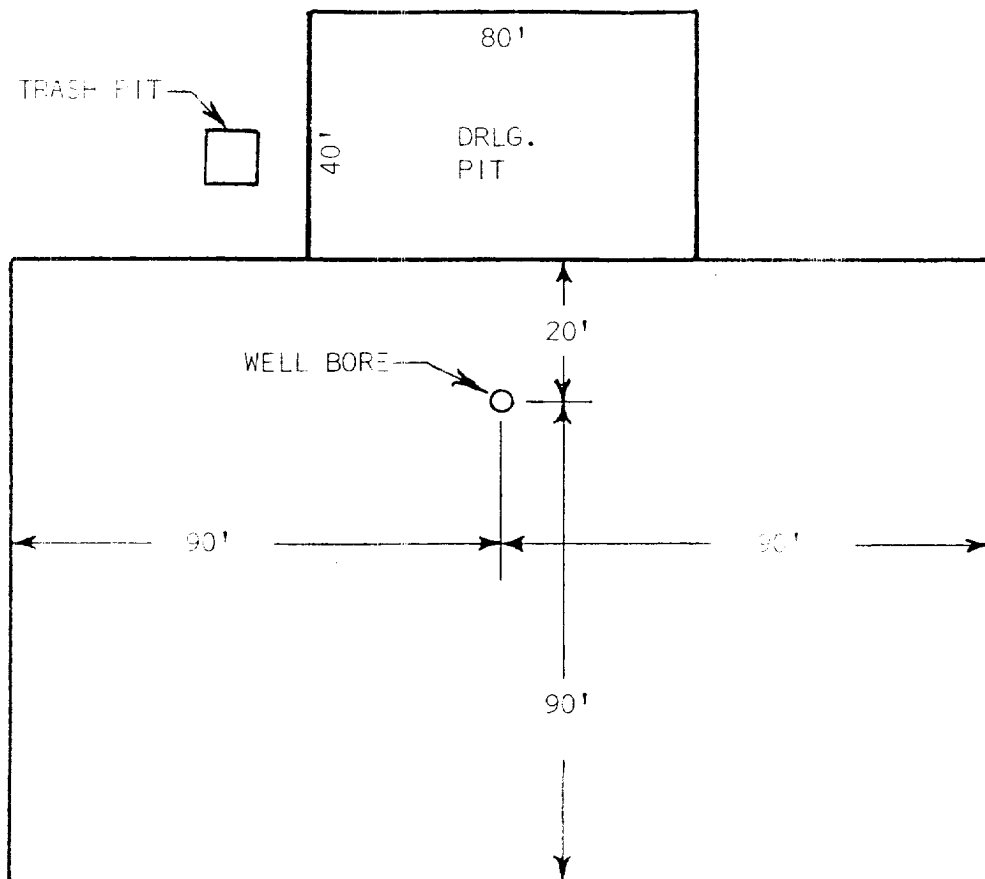
Queen	450'
San Andres	1400'
3. ANTICIPATED POROSITY ZONES:

Water	100 - 200'
Oil	1500 - 1600'
4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 100'	24.0#	K-55	STC
5 1/2"	0 - 1800'	15.5#	K-55	STC
5. SURFACE CONTROL EQUIPMENT: A double ram-type or angular BOP will be used.
6. CIRCULATING MEDIUM: Well will be drilled with air.
7. AUXILIARY EQUIPMENT: Drill string safety valve.
8. LOGGING PROGRAM: Gamma Ray Log will be run to TD.
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about March 1, 1983. Duration of drilling, testing and completion operations should be four days to four weeks.



SUP Exhibit "A"
PORTION OF COUNTY ROAD MAP
Collier Energy, Inc.
Well #2 Sparrow Federal
NE-NE 1/4-20S-26E



SUP Exhibit "D"
SKETCH OF WELL PAD
Collier Energy, Inc.
Well #2 Sparrow Federal
NE-NE 1/4-20S-26E