

30-005-61512

5. LEASE DESIGNATION AND SERIAL NO.

NM 022584

RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

MAR 31 1982

7. UNIT AGREEMENT NAME

O. C. D.

8. FARM OR LEASE NAME

Artesia, Office

Chaves "A" Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Undesignated ABO

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 17, T-7-2, R-26-E

12. COUNTY OR PARISH

Chaves

New Mexico

C/SF
GEOLOGICAL SURVEY
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

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Sun Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 1861, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

660' FSL & 660' FEL of Section Unit Ltr. "P"

At proposed prod. zone

ABO or San Andres

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19 miles NE from Roswell, NM.

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

480

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

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

2000'

19. PROPOSED DEPTH

5100

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3583.5 GR

22. APPROX. DATE WORK WILL START*

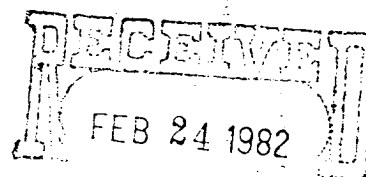
ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48#	300	320 SXS CIRCULATE
12 1/2"	8-5/8"	24#	1600	650 SXS CIRCULATE
7-7/8"	5 1/2"	14#	5000	160 SXS

(See attachment)

GAS NOT DEDICATED

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICOPasted ID-1
API + NL Book
4-2-82

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.

24.

SIGNED

DuAnn Kemp

TITLE

Accounting Assist II

DATE

Feb. 23, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

(Orig. Sgd.) ROGER A. CHAPMAN

APPROVAL SUBJECT TO

CONDITIONS OF APPROVAL

MAR 29 1982

TITLE

GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

DATE

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WE LOCATION AND ACREAGE DEDICATION PLAT

Form O-111
Superseded O-111
Effective 1-1-65

All distances must be from the outer boundaries of the Section

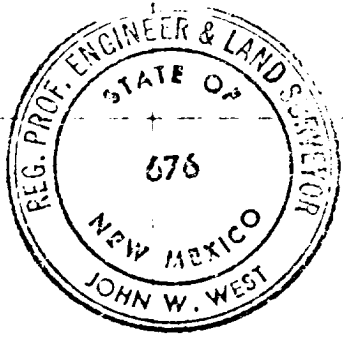
Operator Sun Oil Co.		Lease Chaves "A" Federal		Well No. 2
Section P	Range 17	Township 7 South	Range 26 East	County Chaves
Actual Formation Containing Well 660 feet from the South line and 660' 760' feet from the East line				
Ground Level Elev 3583.5'	Producing Formation ABO	Pool Undesignated ABO	Produced Slips 160	Dedicated Acreage 160

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 Commission.

		160 Acres 660' 760' 660'	
		2	

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
Dee Ann Kemp Dee Ann Kemp Accounting Asst. II Sun Oil Company 2-23 82	
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	
Dec. 13, 1981 JOHN W. WEST PATRICK A. RUMERO Ronald V. Edison	

SUN EXPLORATION AND PRODUCTION COMPANY
SUN PRODUCTION DIVISION

CHAVES "A" FEDERAL #2
SEC. 17, T7S, R26E
660' FSL & 760' FEL

CHAVES "A" FEDERAL #3
SEC. 21, T7S, R26E
660' FNL & 660' FWL

CHAVES COUNTY, NEW MEXICO
FEDERAL LEASE #N.M. 022584

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Sun Production Division submits the following ten items of pertinent information in accordance with The Mineral Management Services requirements.

1. The geologic surface formation is: Quaternary
2. The estimated tops of geologic markers are as follows:

	<u>#2</u>	<u>#3</u>
San Andres	875'	880'
Abo	3835'	3880'

3. Anticipated hydrocarbon bearing zones:

	<u>#2</u>	<u>#3</u>
Abo	3835'	3880'

4. Proposed casing program for Chaves "A" Federal #2 and #3

<u>Size</u>	<u>Footage</u>	<u>Grade</u>	<u>Wt/Ft</u>
13-3/8	300	H-40	48 - new
8-5/8	1600	K-55	24 - new
5-1/2	5000	K-55	14 - new

- 5 & 7. Pressure control equipment: See attachment*

6. Type and mud system characteristics for Chaves "A" Federal #2 and #3

<u>From</u>	<u>To</u>	<u>Wt(lbs/ft)</u>	<u>WL</u>	<u>Vis</u>	<u>Type Mud</u>
0	300	8.5 - 9.5	NC	36-40	Spud mud
300	1600	8.5 -10.0	NC	32-36	Frsh water gel, lime
1600	3600	9.5 -10.0	NC	28-32	Cut brine lime
3600	5000	9.5 -10.0	10	36-38	Cut brine, salt water, gel starch 3-5% Gel

8. Testing, logging and coring program

Logging: Schlumberger to log as follows:

Dual Lateral Log, Micro-Spherical Focus Log - from TD to casing
CNL/FDC log - from TD to surface

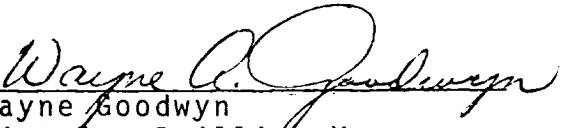
DST - None

Coring - None

SUN PRODUCTION DIVISION
CHAVES "A" FEDERAL #2 and #3

Page 2

9. No abnormal pressures, temperatures or H₂S is expected to be encountered.
10. Estimated starting: As soon as possible - subject to approval of permit and data presented herein.


Wayne Goodwyn
District Drilling Manager

SUN EXPLORATION AND PRODUCTION COMPANY

CHAVES "A" FEDERAL #2 and #3

Attachment*

Page 2 of 3

- 5 & 7. After setting the 8-5/8" casing string and before drilling into the Abo formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.

Pipe rams and the annular-type preventer shall be actuated at least once each 24 hours and the blind rams each time the drill pipe is out of the hole.

Accumulators shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers.

A drill string safety valve in the open position shall be maintained on the rig floor at all times while drilling operations are being conducted.

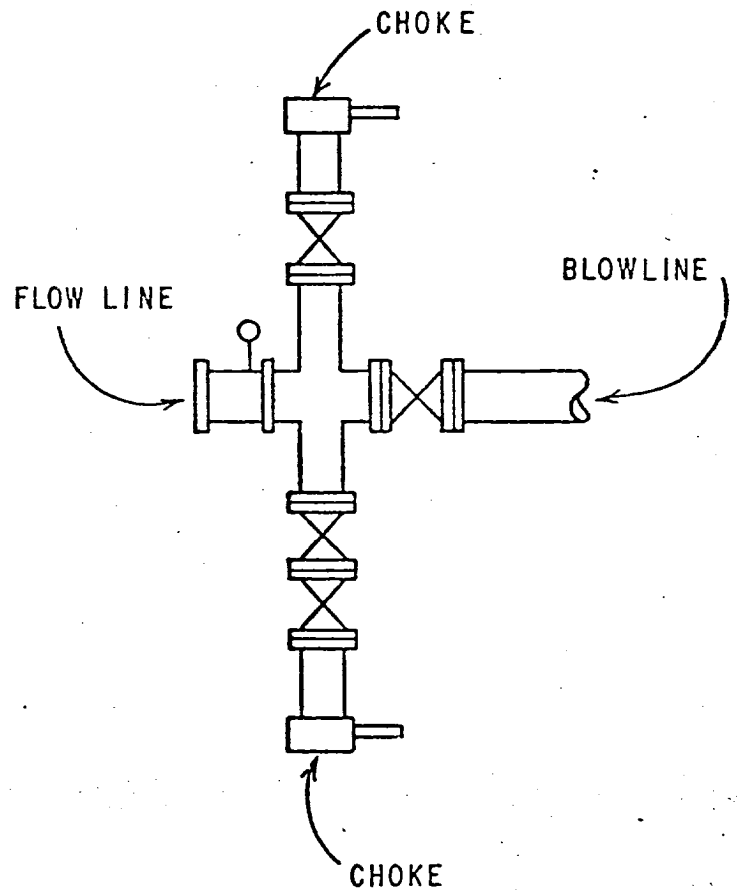
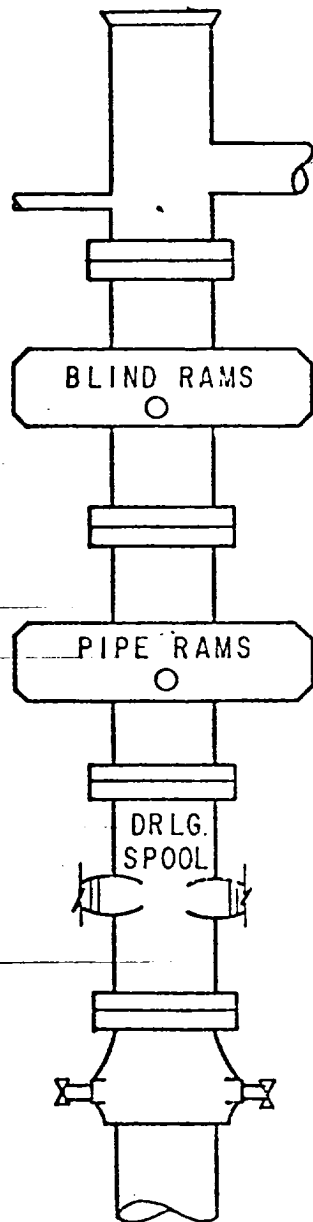
Blowout prevention drills shall be conducted as necessary to insure that each drilling crew is properly trained to carry out emergency duties.

Good drilling practices will be implemented on the duration of this well. Visual monitoring of pit levels will be continual to allow for detection, before or during, of possible problems or well kicks. This will allow for quick action to deal with the successful handling of a well kick.

When coming out of the hole with drill pipe, the annulus shall be filled with mud before the mud level drops below 150 feet. The volume of mud required to fill the hole shall be watched, and any time there is an indication of swabbing, or influx of formation fluids, proper blowout prevention precautions must be taken. The mud shall not be circulated and conditioned except on or near bottom, unless well conditions prevent running the pipe to bottom.

A copy of these requirements shall be posted on the rig floor or in the dog house during the drilling of the well.

BLOWOUT - PREVENTER ASSEMBLY



F. Archeological, historical and cultural sites: None were observed in the area.

G. Land Use: Cattle grazing and hunting in season.

H. Surface Ownership: C. L. White
Clovis Star Route, Box 1327
Roswell, N.M. 88201

12. Operator's Representative: The field representative responsible for assuring compliance with the approved surface use and operations plan are as follows:

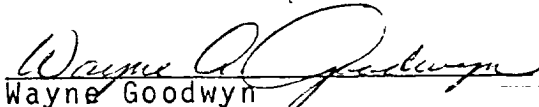
Name: Wayne Goodwyn
Address: 901 W. Wall, Midland, TX 79701
Off. Phone: (915) 685-0303
Home Phone: (915) 697-2950

Name: Jerry McCarver
Address: 901 W. Wall, Midland, TX 79701
Off. Phone: (915) 685-0301
Home Phone: (915) 683-5943

13. Certification:

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

Date February 22, 1982


Wayne Goodwyn
District Drilling Manager

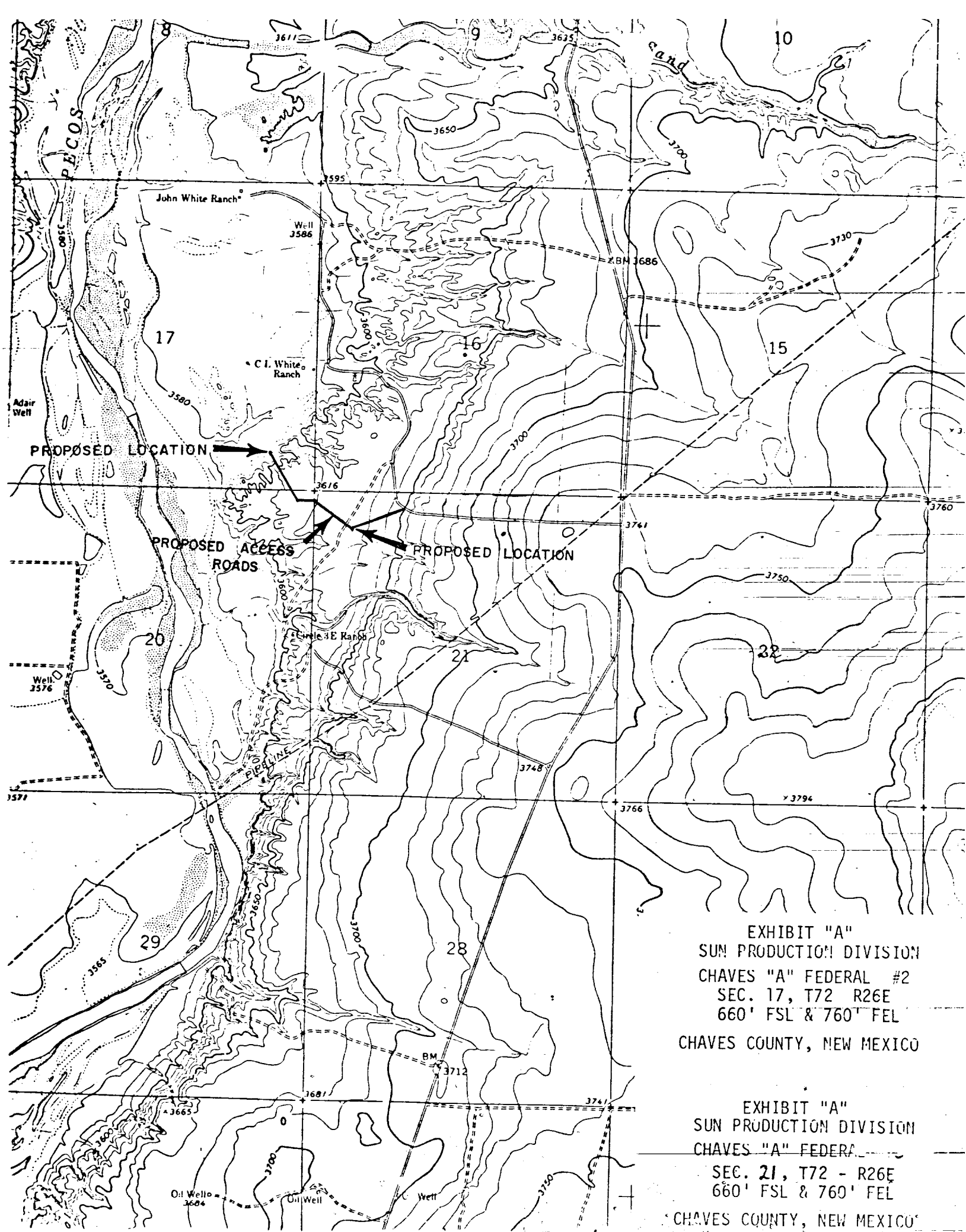


EXHIBIT "A"
SUN PRODUCTION DIVISION
CHAVES "A" FEDERAL #2
SEC. 17, T72 R26E
660' FSL & 760' FEL
CHAVES COUNTY, NEW MEXICO

EXHIBIT "A"
SUN PRODUCTION DIVISION
CHAVES "A" FEDERAL #2
SEC. 21, T72 - R26E
660' FSL & 760' FEL
CHAVES COUNTY, NEW MEXICO

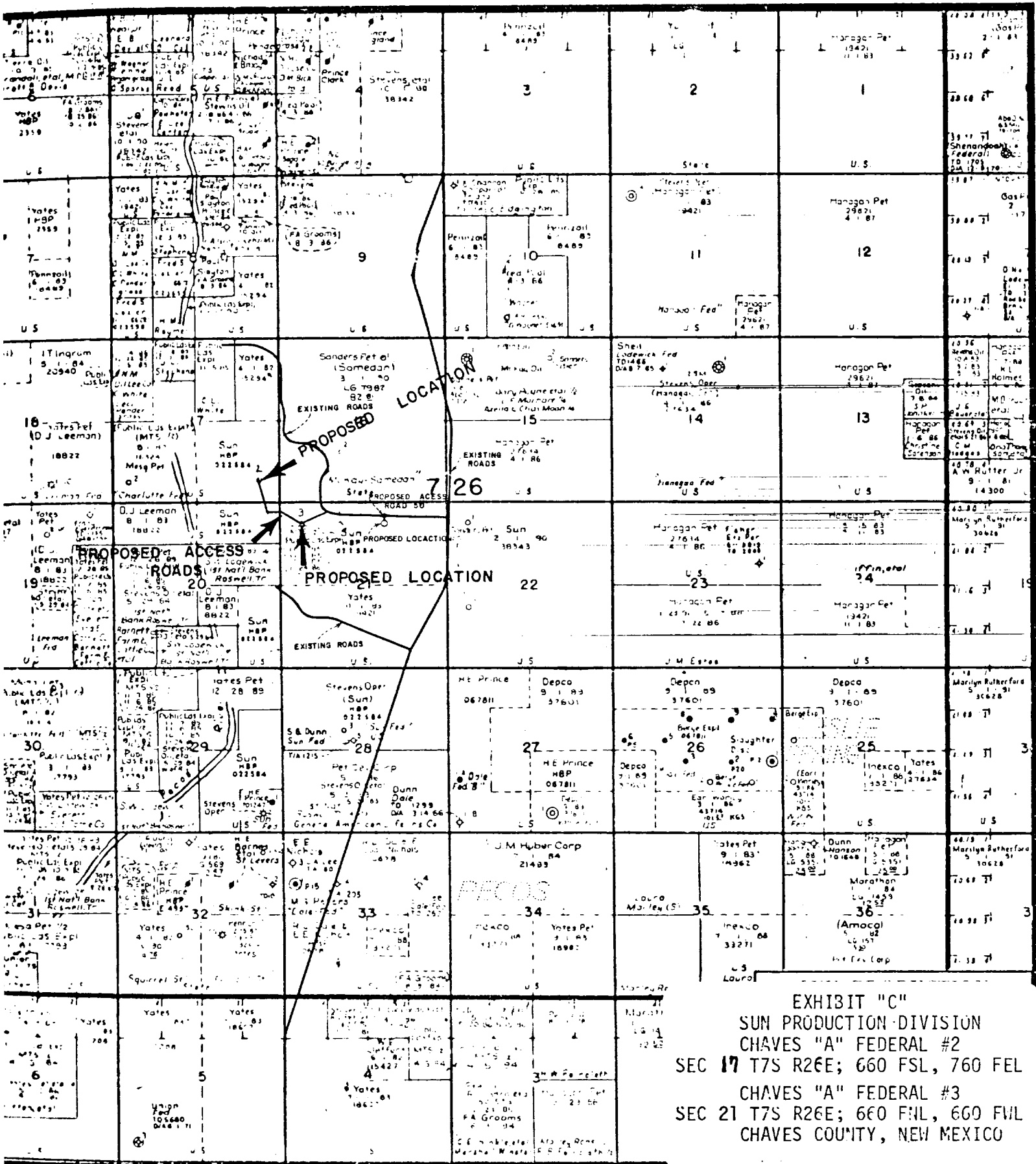


EXHIBIT "D"

SUN EXPLORATION AND PRODUCTION COMPANY
SUN PRODUCTION DIVISION
CHAVES "A" FEDERAL #2
SEC. 17, T7S, R26E
660' FSL & 760' FEL
CHAVES COUNTY, NEW MEXICO

