| · .  |   | A-4 .  | )                              |                                      |                             | SF/Lile  |
|--|---|--|--------------------------------|--------------------------------------|-----------------------------|--|
| Form 9-331 C<br>(May 1963)   | N.M.O.C.D. Cr   | Urlesia  |                                | SUBMIT IN                            | PLICATE                     | / X -  |
| (  |   | ED STATES                                      | TEDIOD                         | (Other inst.<br>reverse              | dons on<br>siúe)<br>(       | 30-005-61505   |
|  | DEPARTMENT  | GICAL SURVE                                    | _                              |                                      |                             | 5. LEASE DESIGNATION AND SERIAL NO.  |
|  | N FOR PERMIT  |  |                                |                                      | DACK                        | NM 022584<br>6. IF INDIAN, ALLOTTEE OB TRIBE NAME                                    |
| 1a. TYPE OF WORK   | IN FOR PERMIT   | O DRILL, DI                                    | CEFEIN, C                      | JR PLUG                              | BACK                        | -  |
| DF<br>b. TYPE OF WELL  |   | DEEPEN   |                                | PLUG BA                              | CK                          | 7. UNIT AGREEMENT NAME   |
| OIL<br>WELL 2. NAME OF OPERATOR  | WELL OTHER  |  | SINGLE<br>ZONE                 | X MULTI<br>ZONE                      |                             | 8. FABM OR LEASE NAME  |
| Sun Oil Comp   | bany  |  |                                |                                      |                             | Chaves'A'Federal<br>9. WELL NO.  |
| 3. ADDRESS OF OPERATOR   | <u> </u>  | · · · · ·                                      |                                | RECEIV                               | ED                          | 1  |
| P.O. Box 186   | ol, Midland, Tex<br>Report location clearly and           | as 79702                                       | any State rec                  | uirements.*)                         |                             | 10. FIELD AND DOOL, OB WILDCAT<br>Wildcat S Undesignated                             |
| At surface   | 1980' FEL, Unit   |  | •                              | MAR 181                              | <b>982</b>                  | 11. SEC. T., B., M., OE BLK.<br>AND SURVEY OF AREA                                   |
|  | bne   |  |                                | 0. C. D                              | •                           | Sec. 21, T-7-S,R- <b>2</b> 6-E   |
| Abo or Penn<br>14. distance in Miles   | AND DIRECTION FROM NEAR                                   | REST TOWN OR POST                              | OFFICE*                        | ARTESIA, OF                          |                             | 12. COUNTY OR PARISH 13. STATE   |
| 19 miles NE<br>15. DISTANCE FROM PROJ  |   |  | 16. NO. OF AC                  |                                      |                             | Chaves New Mexico  |
| LOCATION TO NEARES<br>PROPERTY OR LEASE                                      | ST WIIGCAU<br>LINE, FT. N                                 | NONE <sup>1</sup><br>660' Abo                  | 16. NO. OF AC<br>48            |                                      | тот                         | of acres assigned<br>HIS WELL<br>20 Wildgat/~Gas 160 Abo                             |
| 18. DISTANCE FROM PRO  | POSED LOCATION*   |  | 19. PROPOSED                   | DEPTH                                |                             | RY OR CABLE TOOLS  |
| OR APPLIED FOR, ON T   | HIS LEASE, FT.  | 2600'  | 68                             | 00'                                  | Ro                          | tary   |
| 21. ELEVATIONS (Show w<br>3719.0' GR   | hether DF, RT, GR, etc.)                                  |  |                                |                                      |                             | 22. APPROX. DATE WORK WILL START*<br>ASAP  |
| 23.  |   | ROPOSED CASING                                 | AND CEMI                       | NTING PROGR                          | RAM                         | ······································   |
| SIZE OF HOLE   | SIZE OF CASING  | WEIGHT PER FOO                                 | T SE                           | TTING DEPTH                          |                             | QUANTITY OF CEMENT   |
| $-17\frac{1}{2}$   | 13-3/8"   | 48#  |                                | 00                                   | 32                          |  |
| <u>12<u>1</u>11<br/>7-7/811</u>  | <u>8-5/8''</u><br>5½''                                    | <u> </u>                                       |                                | 00                                   | _  <u>65</u><br>70          | 0 CIRCULATE  |
| 7-7/8"   | 5 <sup>1</sup> / <sub>2</sub> <sup>1</sup> / <sub>2</sub> | 15.5#  | -                              | 500                                  | /*                          | •  |
|  |   |  |                                |                                      |                             |  |
|  |   |  |                                |                                      |                             |  |
| See attach   | ements  |  |                                |                                      |                             |  |
|  |   |  |                                |                                      |                             |  |
|  |   |  |                                |                                      |                             |  |
|  |   |  |                                |                                      |                             | 膨  |
|  |   |  |                                |                                      |                             | 與 813 21 1982 月1]  |
| CAR  | Not DEDIG   | 175  |                                |                                      |                             |  |
| 0  |   | ~ / = 2 ·                                      |                                |                                      |                             | 640,3490<br>Yowey Lucio 100, 20<br>Anthe Wouldswill                                  |
|  |   |  |                                |                                      |                             |  |
| IN ABOVE SPACE DESCRIP<br>zone. If proposal is to<br>preventer program, if a | o drill or deepen direction:                              | proposal is to deeper<br>lly, give pertinent ( | n or plug bac<br>data on subsu | k, give data on<br>rface locations . | present prod<br>and measure | luctive zone and proposed new productive<br>d and true vertical depths. Give blowout |
| 24.<br>//  | in I P  | 7  | Sr Ac                          | ctg. Assis                           | •+                          | 2-23-82  |
| SIGNED   | Van ~ · · · ~   | TITLI  | E 51. AC                       | LIG. ASSIS                           |                             | DATE   |
| (This space for Fed  | leral or State office use)                                |  |                                |                                      |                             |  |
| PERMIT NO.   |   |  |                                | AL DATE                              | T0                          |  |
| APPROVED BY  | APPROVED  |  |                                | AL SUBJECT                           |                             | D DATE   |
| CONDITIONS OF APPRO  | OVAL, IF ANY :  |  |                                | <del>l requirem</del><br>Stipulatio  |                             |  |
|  | MAR 1,5 1982  |  | ATTACH                         | -                                    | 114                         |  |
|  | -75-  | *See Instruct                                  |                                | - /                                  |                             |  |
|  | JAMES A. GILHAM<br>DISTRICT SUPERVISOR                    |  |                                |                                      |                             |  |

## NE JEXICO OIL CONSERVATION COMMISSIC WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Well Nc. 1 Sun Braduction Company Lease Chaves A Federal Section Unit Letter Township Range County 26-E Chaves 7-S В 21 Actual Foctage Location of Well: 660 feet from the North 1980 East line ond feet from the Ground Level Elev. 3719.0 **Producing Formation** Pooi Dedicated Acreage: L Wildrat Wildcat 12.35 320 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? If answer is "yes." type of consolidation \_ Yes No No 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 660 I hereby certify that the information conad herein is true and complete to the 1980 my knowledge and belief. 320 TT CC.QUA mDANY Comp ar I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by me or GINEER under my supervision, and that the same true and correct to the best of my knowledge and belief 676 12/11/81 Date Surveyed Registered Professional Engineer αnd∉or Land Surve 676 PATRICK A. ROMERO RRAZ 330 .... .... 1320 1680 1880 2310 26.40 2000 1 500 1000 500 0 Ronald J Fidson 3239

ſ

SUN EXPLORATION AND PRODUCTION COMPANY SUN PRODUCTION DIVISION CHAVES "A" FEDERAL No. 1 SEC. 21, T-7-S R-26-E 660' FNL & 1980' FEL 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: Quatarnary

2. The estimated tops of geologic markers are as follows:

| San Andres | 900'  |
|------------|-------|
| Abo        | 3920' |
| Penn       | 5220' |

3. Anticipated hydrocarbon bearing zones:

| Abo  | 3920' |
|------|-------|
| Penn | 5220' |

4. Proposed casing program:

1 A

| Size    | Footage | Grade               | Wt/Ft      |
|---------|---------|---------------------|------------|
| 13-3/8" | 300     | $\overline{H} - 40$ | 48 - New   |
| 8-5/8   | 1600    | K-55                | 24 - New   |
| 5-1/2   | 5100    | K-55                | 14 - New   |
| 5-1/2   | 1600    | K-55                | 15.5 - New |

5 & 7. Pressure control equipment: See attached sheet\*

6. Type and mud system characteristics:

| From | То   | Wt (lbs/ft) | WL | Vis           | Type Mud             |
|------|------|-------------|----|---------------|----------------------|
| 0    | 300  | 8.5- 9.5    | NC | 36-40         | Spud - Mud           |
| 300  | 1600 | 8.5-10.0    | NC | 32-36         | Freshwater gel, lime |
| 1600 | 3600 | 9.5-10.0    | NC | 28-32         | Cut brine lime       |
| 3600 | 6700 | 9.5-10.0    | 10 | <b>36-3</b> 8 | Saltwater gel starch |
|      |      |             |    |               | w/3-5% oil           |

8. Testing, logging and coring program:

Drill stem tests:(all DST's to be justified by a valid show of oil): Penn 5220' Logging: Schlumberger to log as follows: Dual Lateral Log, Micro-Spherical Focus log, from casing to TD CNL/FDC log, from TD to surface Coring: None

- 9. No abnormal pressures, temperatures or  $H_2S$  is expected to be encountered.
- 10. Estimated starting: As soon as possible subject to approval of permit and data presented herein.

Vanne U Wayng⁄Goodwyn

District Drilling Manager

# SUN EXPLORATION AND PRODUCTION COMPANY CHAVES "A" FEDERAL No. 1

#### 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.





÷. . .

فالمستعركي المتناف يتراد والمراد

# MULTI-POINT SURFACE USE AND OPERATION PLAN SUN EXPLORATION AND PRODUCTION COMPANY SUN PRODUCTION DIVISION CHAVES "A" FEDERAL No. 1 SEC. 21, T-7-S R-26-E 660' FNL & 1980' FEL CHAVES COUNTY, NEW MEXICO FEDERAL LEASE #N.M. 022584

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

- 1. Existing Roads
  - A. Exhibit "A" & "B" are a portion of topographic and county map illustrating the proposed well as staked. Directions to the location are as follows:

From Roswell travel northeast on Highway 70, nineteen miles to the Old Rock School House on the north side of the road. Turn north on the dirt road and travel seven and one-half miles. Turn west on lease road and travel one-half mile to another dirt road, turn south to location.

- B. Exhibit "C" is a plat illustrating all wells within a two mile radius of the wellsite and the access roads.
- C. No repair to the existing roads will be necessary.
- 2. Planned Access Roads

Exhibit "A" is a plat illustrating the wellsite and the planned access road.

- A. Length and width: The new road required will be 20 feet wide and approximately 50 feet long. This new road is labeled and color coded red on Exhibit "A". The center line of the proposed new road from the beginning to the wellsite, has been staked and flagged with the stakes being visible from one end to the next.
- B. Surface material: Six inches of caliche, water compacted and graded.
- C. Maximum grade: Three percent.
- D. Turnouts: None required on this short roadway.
- E. Drainage design: New road will be 20 feet wide and crowned for drainage.

## MULTI-POINT SURFACE USE AND OPERATION PLAN

## SUN EXPLORATION AND PRODUCTION COMPANY

CHAVES "A" FEDERAL No. 1

- F. Culverts: It is anticipated no culvert will be required.
- G. Cuts and fills: None anticipated
- H. Gates and cattleguards: None required
- 3. Location of Existing Wells:
  - A. Existing wells within a two mile radius are illustrated on Exhibit "C".
- 4. Location of Existing and/or Proposed Facilities:
  - A. Construct tank battery on well pad and no additional surface disturbance will occur.
- 5. Location and Type of Water Supply:
  - A. Purchase and haul water over existing roads illustrated on Exhibit "A" and "C".
- 6. Source of Construction Materials:
  - A. Caliche for surfacing the access roads and the well pad will be obtained from an exiting pit in the SW/4 SE/4 of Section 15, T7S, R26E. This pit has been cleared by the BLM.
- 7. Methods of Handling Waste Disposal:
  - A. Drill cuttings will be disposed of in the drilling pits.
  - B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
  - C. Water produced during test will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
  - D. Current Laws and Regulations pertaining to the disposal of human waste will be complied with.
  - E. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of trash pit is shown on Exhibit "D".
  - F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.
- 8. Ancillary Facilities:

None required.

- 9. Wellsite Layout:
  - A. Exhibit "D" shows the dimensions of the well pac and reserve pits and the location of the major rig components.
  - B. Only minor levelling of the wellsite will be required. No significant cuts or fills will be necessary.

## page 2

# MULTI-POINT \_RFACE USE AND OPERATION PL .↓ SUN EXPLORATION AND PRODUCTION COMPANY CHAVES "A" FEDERAL No. 1

- C. The reserve pit will be plastic lined.
- D. The pad and pit area has been staked and flagged.
- 10. Plans for restoration of the surface:
  - A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.
  - B. Any unguarded pits containing fluids will be fenced until they are filled.
  - C. After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and location will be cleaned. The pit area, well pad, and all unneeded access road will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment. (Alternate if on Federal surface - after abandonment, any special rehabilitation and/or revegetation requirements of the surface management agency will be complied with and accomplished as expeditiously as possible. All pits should be filled and levelled within 90 days after abandonment.)
- 11. Other:
  - A. Topography: The land surface is generally flat with some rolling hills.
  - B. Soil: Soil is a silty clay loam and a sandy clay loam with occasional inclusions of chert, quartzite and limestone gravels.
  - C. Flora and Fauna: The vegetation consists of yucca, mesquite, rabbit bush and perenial native range grass. Wildlife in the area includes coyotes, rabbits, rodents, reptiles, quail, dove and an occasional antelope.
  - D. Ponds and Streams: Pecos River is located approximately one mile to the west.
  - E. Residences and other structures: There are two occupied dwellings in the area. One is three-quarters of a mile to the southwest and another about three-quarters of a mile to the northwest.
  - F. Acheological, Historical and Cultural Sites: None were observed in the area.
  - G. Land Use: Cattle grazing and hunting in season.
  - H. Surface Ownership: Wellsite is on Federal surface.

page 3

#### MULTI-POINT JRFACE USE AND OPERATION P N SUN EXPLORATION AND PRODUCTION COMPAN.

CHAVES "A" FEDERAL No. 1

#### page 4

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, Texas 79701 Office Phone: (915) 685-0303 Home Phone: (915) 697-2950

> Name: Jerry McCarver Address: 901 W. Wall, Midland, Texas 79701 Office 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 rounte; 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 Le udwyn Wayne Koodwyn

District Drilling Manager





|  |   | 10000000000000000000000000000000000000  |  | р Й<br>Эргер  | a la   |  |
|--|---|---|--|---|--|--|
| Shenand<br>Shenand<br>federal)           |   |   |  | Mariya R. Har<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success<br>Success   | E 17 16 17   | UN CO.<br>N<br>- E<br>I CU   |
| U. S.                                    | Haragoo Pet<br>1992)<br>1992)<br>1992<br>1993<br>1993<br>1993<br>1994<br>1994<br>1994<br>1994<br>1994   | -crccon the<br>- 462.7 the<br>- 462.7 the<br>- 462.7 the<br>- 47.0 the<br>- | Hereger Det<br>3 5 83<br>24<br>1427 3327 5e<br>1427 331<br>1428<br>1 5   |   | (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2   | EXHIBIT "C"<br>LEASE ROADS<br>EXPLORATION & PRODUCTION (<br>SUN PRODUCTION DIVISION<br>CHAVES "A" FEDERAL No. 1<br>SEC. 21, T-7-S, T-26-E<br>660' FNL & 1980' FEL<br>CHAVES COUNTY, MEW MEXICU   |
| 5° • ' •                                 |   | Snell<br>From the from the form of the form o   | ичезо сен Ганк<br>2764 Санк<br>2764 Санк<br>2164 Санк<br>23<br>23<br>23<br>246<br>246<br>246<br>246<br>246<br>246<br>246<br>246  | Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Dependence<br>Depend  | Louro<br>Morfey (S) 35 0<br>131271 0<br>131271 0   | A Served EXPLORATION<br>SUN EXPLORATION<br>SUN PRODUCT<br>CHAVES "A" F<br>SEC. 21, 1<br>660' FNL<br>CHAVES COUNT   |
| 3 J                                      | 2 (10) (10) (10) (10) (10) (10) (10) (10)   | Annue Contraction   | 22<br>22<br>25<br>25<br>25<br>22   | HE Prince Depeo<br>067811 31600<br>20101 31600<br>22  | UM Huber Corp<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21893<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21833<br>21835<br>21835<br>21835<br>21835<br>21835<br>21835<br>21835<br>21835<br>2 | US<br>Public   |
| 1  |   | Sonders Fet el<br>(Somedar)<br>3 - 30<br>65 mer<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16   | 3<br>  | Stevens Oper<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun)<br>(Sun) |  | Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Votes<br>Vo |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |   |   | Model Summary Summary   22 5 | A Provide the second se  |  |  |
|  | Adres 1996<br>1996<br>1996<br>1997<br>1997<br>1997<br>1998<br>1998<br>1998<br>1998<br>1998  | λουτά Οιι) Itingrum   λουτά Οιι) Itingrum   1.9402 509403   1.9124 209404   1.9124 10.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0   1.9125 1.0  |  |   | Control (Control (Contro) (Control (Control (Contro) (Control (Contro) (Contro) (Contro   |  |
| E B. 23-15 CT31 2413 U S.                | Abb Lds Erst, Pub Lds Erst,<br>Abb Lds Erst, Pub Lds Erst,<br>2 1<br>4 5 4<br>2 2<br>4 5 4<br>2 2<br>4 2 2 2 2 2 4<br>2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Votes (PUblic Lds Expl<br>2 Micromote Manuel<br>2   | Yates<br>12,15,86<br>20356<br>24<br>24   | Yates Pt.<br>400<br>511<br>1212<br>1212<br>1212<br>1212<br>1212<br>1212<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>1202<br>120  |  | o'Function Carlos Control Carlos Ca   |





# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTIMENT

OIL CONSERVATION DIVISION ARTESIA DISTRICT OFFICE

March 19, 1982

P.O. DRAWER DD ARTESIA, NEW MEXICO 86210 (505) 748-1283

BRUCE KING GOVERNOR LARRY KEHOE SECRETARY

> Sun Oil Company P.O. Box 1861 Midland, Texas 79702

> > Re: Chaves "A" Federal #1-B-21-7-26 Chaves County, New Mexico

Gentlemen:

. .

We hereby acknowledge receipt of the Application For Permit to Drill the subject well, approved by the USGS on March 15, 1982.

However, Form 9-331C has the operator as Sun Oil Company, Form C-102 has the operator as Sun Production Company, and you are dedicating the East 1/2 section to the Penn. This is an unorthodox location according to Division Rules and you must dedicate the North 1/2 or get the NSL approved by our Santa Fe office.

Further we just recently processed changes in operator name on all your wells from Sun Oil Company to Sun Exploration and Production Company.

Please contact this office at your earliest convenience concerning this matter.

Sincerely,

W.a. Sussett

W.A. Gressett

WAG:mm