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NEW XICO SECONSERVATION COMMISSION WELL LUCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

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			Att. Cl.S. Lanes	Second Strand	June	8, 1979
			NEW ME	A. S. M.	shown notes under is true	by certify that the well-location on this plat was plotted from field at actual surveys made by me or my supervision, and that the same e and correct to the best of my idge and belief
			999	 		Arrier Stratter Strat

Attachment to Form 9-331 C Application for Permit to Drill

Sundance Oil Company, Cone Federal #16 660' FSL and 1980' FWL of Section 31, T.7S., R.32E. Roosevelt County, New Mexico

- 1. The geologic name of the surface information is Triassic red beds overlain by wind blown sands.
- 2. The estimated tops of important geologic markers are as follows:

1800'
1830'
2220'
3380'
4080'
4165 '
4350'

3. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations will be encountered are as follows:

Ogalala	150'	wate	er	
Salado	1830'	salt	t	
San Andres	3380'	oil	and	gas
P-1	4080'	oil	and	gas
P-2	4165 '	oil	and	gas

4. The proposed casing program is as follows:

Surface: New 8 5/8", 24#/ft., ST&C, Secondary 45 (J&L). Production: New 4½", 10.5#/ft., ST&C, K-55, JCW-36 (J&L).

- 5. A sketch of an API Series 900 Blowout Preventer is attached. Pipe rams and blinds will be checked to 1000 psi for 30 minutes when BOP is installed. BOP will be checked when casing is set and operated daily for checks.
- 6. The proposed mud program is as follows:

0-1800'	spud mud	8.5 - 9.0#/gal.
1800-3500'	native mud	9.0 - 9.5#/gal.
3500-T.D.	salt gel	9.0 - 10.0#/gal.

- 7. The auxiliary equipment to be used is:
 - Kelly cocks.
 Floats at the bit.
 - 3. Stabbing valve on rig floor with sub to fit drill pipe.

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- 8. It is proposed to run 2" and 5" GR, CNL, FDC, DLL/MLL logs from TD to 1800'.
- 9. No abnormal pressures or temperatures are expected to be encountered in this well.
- 10. The anticipated starting date for this well is July 18, 1979. Estimated duration of drilling operations is 10 to 12 days.

BLONDOUT PREVENTER 4 CHOKE MIMIFOID API 3M- SHID-RdS



MULTI-, JINT SURFACE USE & OPERATIONS PL. ..

Sundance Oil Company, Cone Federal #16 660' FSL and 1980' FEL of Section 31, T.7S., R.32E. Roosevelt County, New Mexico

This plan is to accompany "Application for Permit to Drill" the subject well which is located approximately $15\frac{1}{2}$ miles south of Kenna, New Mexico. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage.

- 1. Existing Roads
 - A. The proposed well site is 660' FSL and 1980' FWL of Section 31, T.7S., R.32E., Roosevelt County, New Mexico.
 - B. Exhibit "A" is portion of a map showing existing roads with directions to the location from Kenna, New Mexico. The route to the location is marked in red along side of roads to be used. The well location is approximately 15¹/₂ miles south of Kenna, New Mexico.

C., D. & E. Access roads are shown on Exhibit "A".

F. No improvement or maintenance is anticipated for the existing roads.

2. Planned Access Roads

- A. Length & Width: New road required will be 1320' long and 12' wide. This new road is labeled and color coded RED on Exhibits "A" and "B". The center line of the proposed new road has been flagged and staked with the stakes visible from one to the next.
- B. Surfacing Material: Six inches of caliche, watered, compacted and graded.
- C. Drainage Design: New road will have a drop of 6 inches from center line on each side.
- D. Culverts: None.
- E. Turnouts: None.
- F. Cuts and Fills: The location and pits will be constructed as shown on Exhibit "C". Maximum cut and maximum fill will be 3' on the location, other than leveling sand dunes.
- G. Gates, Cattleguards, Fences: None.
- 3. Location of Existing Wells

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- A. See Exhibit "B".
- 4. Location of Existing and/or Proposed Facilities
 - A. The tank battery and production facilities are located on this lease at or near the Cone Federal #1 location (NE NE Section 31).
 - B. If commercial production is established, a flow line will be connected to the existing tank battery and no additional surface disturbance will occur. Facilities will be fenced and/or covered to protect livestock and wildlife.

Multi-Point Surface Use Operations Plan Cone Federal #16 Page 2

- C. All unused areas disturbed by construction will be restored to natural terrain profile after construction is completed.
- 5. Location and Type of Water Supply
 - A. Water will be obtained from well at Kenna and/or Crossroads.
 - B. Water will be transported by truck.

6. Source of Construction Materials

A. Caliche will be obtained from a pit in Section 7, T.7S., R.32E.

- 7. Methods for Handling Waste Disposal
 - A. Drill cuttings will be disposed of in the reserve pit.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
 - C. Water produced during tests 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 of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of trash pit is shown on Exhibit "C". If well is productive, maintenance waste will be placed in special trash cans and hauled to an approved sanitary landfill, periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted to the Survey for appropriate approval.
- 8. Ancillary Facilities: None.
- 9. Wellsite Layout
 - A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit and location of major rig components.
 - B. The reserve pit will be lined with plastic.
 - C. The pad and pit area has been flagged and staked.

د معرف محمد مراجع

- 10. Plans for Restoration of Surface
 - A. Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

Multi-Point Surface Use & Operations Plan Cone Federal #16 Page 3

- 11. Other Information
 - A. Terrain: Low rolling sand hills.
 - B. Soil: Sandy.
 - C. Vegetation: Scrub oak, bear grass and very sparse vegetation.
 - D. Surface Use: Grazing.
 - E. Ponds and Streams: None within one mile.
 - F. Water Wells: One mile northwest of location.
 - G. Residences and Buildings: One mile northwest of location.
 - H. Arroyos, Canyons, Etc.: Caprock escarpment approximately one mile west of location.
 - I. Well Sign: Sign identifying and locating well will be maintained at drill site with the spudding of the well.
 - J. Open Pits: All pits containing mud or other liquid will be fenced.
 - K. Archaeological Resources: None observed.
- 12. Lessee's or Operator's Representative

Richard O. Dimit Sundance Oil Company Suite 510, 1776 Lincoln St. Denver, CO 80203

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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 SUNDANCE OIL COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date 1. 190

Richard O. Dimit Vice President, Production





June 8, 1979

U.S.G.S. P.O. Box 1157 Hobbs, NM 88240

> RE: Agreement with Surface Landowner and Sundance Oil Company Cone Federal #16 SW SE Section 31, T.7S., R.32E. Roosevelt County, New Mexico

Gentlemen:

This is to certify that in regard to captioned well, Sundance Oil Company has an agreement with the surface owner in regard to the surface restoration.

If this well is completed as a producing well, the pits are to be filled and covered and the location cleaned of all trash and junk in order to leave the well site in an aesthetically pleasing condition. Prior to the filling of the pits, any unguarded pit containing fluid will be fenced.

If the well is completed as a dry hole and plugged and abandoned, pits will be covered and location cleaned of all trash and junk. The road will remain in place. The drilling pad will either remain or be ripped at the landowner's option.

Yours truly, Dimit Richard O.

Vice President, Production

RD:ds

1776 lincoln street, suite 510 denver, colorado 80203 telephone (303) 861-4694





LOCATION, MUD PIT AND PROPOSED TANK BATTERY AREA SPECIFICATIONS



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JUN 26 19**79**

