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Form approved. Budget Bureau No. 42-R1425.

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5. LEASE	DESIGNATION	AND	SERIAL	NO.
NIA	_15015	٨		

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GEOLOGICAL SURVEY						NM-15015-A		
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2. NAME OF OPERATOR							Oakason Federal	
SUNDANCEC	III COMBANIV						9. WELL NO.	erai
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<u>San Andres</u>							Section 33	T. 7S., R. 31
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OR APPLIED FOR, ON THIS LEASE, FT. 1320			1 4000'				Rotary Tools	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)						22. APPROX. DATE WO	BK WILL START*
4274.6 GL							On Approval	
23.		PROPOSED CASH	NG AND	CEMENTING	PROGRA	м	, <u> </u>	·
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Well will be drilled to TD and evaluated, if further evaluation is required, will log to determine if casing will be run.

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NOV 30 1977

U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to zone. If proposal is, to drill or deepen directionally, give per preventer program if any.	o deepen tinent da	or plug back, give data on prese ta on subsurface locations and i	ent productive zone and proposed new productive measured and true vertical depths. Give blowout
SIGNED A DEMINE ALLEGED	TITLE _	Chief Engineer	DATE November 17, 1977
(This space for Federal or State office use)			
PERMIT NO.		APPROVAL DATE	DEC 1 5 1977
CONDITIONS OF APPROVAL, IF ANY:	TITLE _	ACTING DISTRICT EN	GINEER DEC 1 5 1977

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS. MAR 15 1978

*See Instructions On Reverse Side

CIL COMMINERS, N. M.

NEW TICO OIL CONSERVATION COMMISSION TO WELL LOCATION AND ACREAGE DEDICATION PL.

All distances must be from the outer boundaries of the Section

N 33 7 South 31 East Chaves Actual Fortige Location of Well: 660 teer from the South line and 1980 teet from the West line	perator			L.ease			Well No.
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Attachment to Form 9-331 C Application for Permit to Drill

Sundance Oil Company, #2 Cakason Federal 660' FSL and 1980' FWL of Section 33, T. 7S., R. 31E. Chaves 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:

Rustler	1450'
Salado	1510'
Yates	1900'
San Andres	3010'
P-1	3710'
P-2	3 7 95'
T.D.	3950'

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

Ogalala	150' water
Salado	1450' salt
San Andres	3010' oil and gas
P-1	3710' oil and gas
P-2	3950' oil and gas

4. The proposed casing program is as follows:

```
Surface - New 8 5/8", 28 lb/ft., ST&C, Secondary 45 (J&L). Production - New 4_2^{1}", 10.5 lb/ft., ST&C, K-55 and 11.6 lb/ft., ST&C, JCW-36 (J&L).
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- 5. A sketch of an API Series 900 Blowout Preventer is attached. Pipe rams and blinds will be checked to 1,000 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:

8.5 - 9.0 lbs./gal.
9.0 - 9.5 lbs./gal.
9.0 - 10.0 lbs./gal.

101077

CIL COASSILLANDERS, N. M.

Attachment to Form 9–331 Application for Permit to Drill Oakason Federal #2 Page Two

- 7. The auxiliary equipment to be used is:
 - (1) Kelly cocks.
 - (2) Floats at the bit.
 - (3) Stabbing valve on rig floor with sub to fit drill pipe.
- 8. It is proposed to run 2" and 5" GR, CNL, FDC, DLL/MLL Logs from TD to 1450'.
- 9. No abnormal pressures or temperatures are expected to be encountered in this well.
- 10. The anticipated starting date for this well is December 20, 1977. Estimated duration of drilling operations is 10 to 12 days.

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MULTI-POINT SURFACE USE & OPERATIONS PLAN

Sundance Oil Company: Oakason Federal #2 660' FSL and 1980' FWL of Section 33-T7S-R31E Chaves 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.

l. Existing Roads

- A. The proposed well site is 660' FSL and 1980' FWL of Section 33-T7S-R31E, Chaves 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 $15\frac{1}{2}$ 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 being 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 six (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 will be 3' on the east and maximum fill will be 3' on the west of the location, other than leveling sand dunes.

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CIL CONSTINTATION COMM.

Multi-Point Surface Use & Operations Plan Oakason Federal #2 Page 2

G. Gates, Cattleguards, Fences: None

3. Location of Existing Wells

A. See Exhibit B.

4. Location of Existing and/or Proposed Facilities

- A. There are no existing tank battery or production facilities or flow lines on this lease owned by Lessee/Operator.
- B. If commercial production is established, the tank battery and flow line will be located on the well pad and no additional surface disturbance will occur. Facilities will be fenced and/or covered to protect livestock and wildlife.
- 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 NW NW Section 4-T8S-R31E.

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.

CIL CONSCIONATION COMM.

7. Methods for Handling Waste Disposal (cont.)

E. Trash, waste paper, garbage, and junk will be buried in a separate trash pit and covered with a minimum of twenty-four (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. Well Site 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.

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 forty-five (45) days from commencement.

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.
- 1. 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 liquids will be fenced.
- K. Archaeological Resourves: None observed.

12. Lessee's or Operator's Representative

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

Business phone: (303) 861-4694

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 SUNDANCE OIL COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

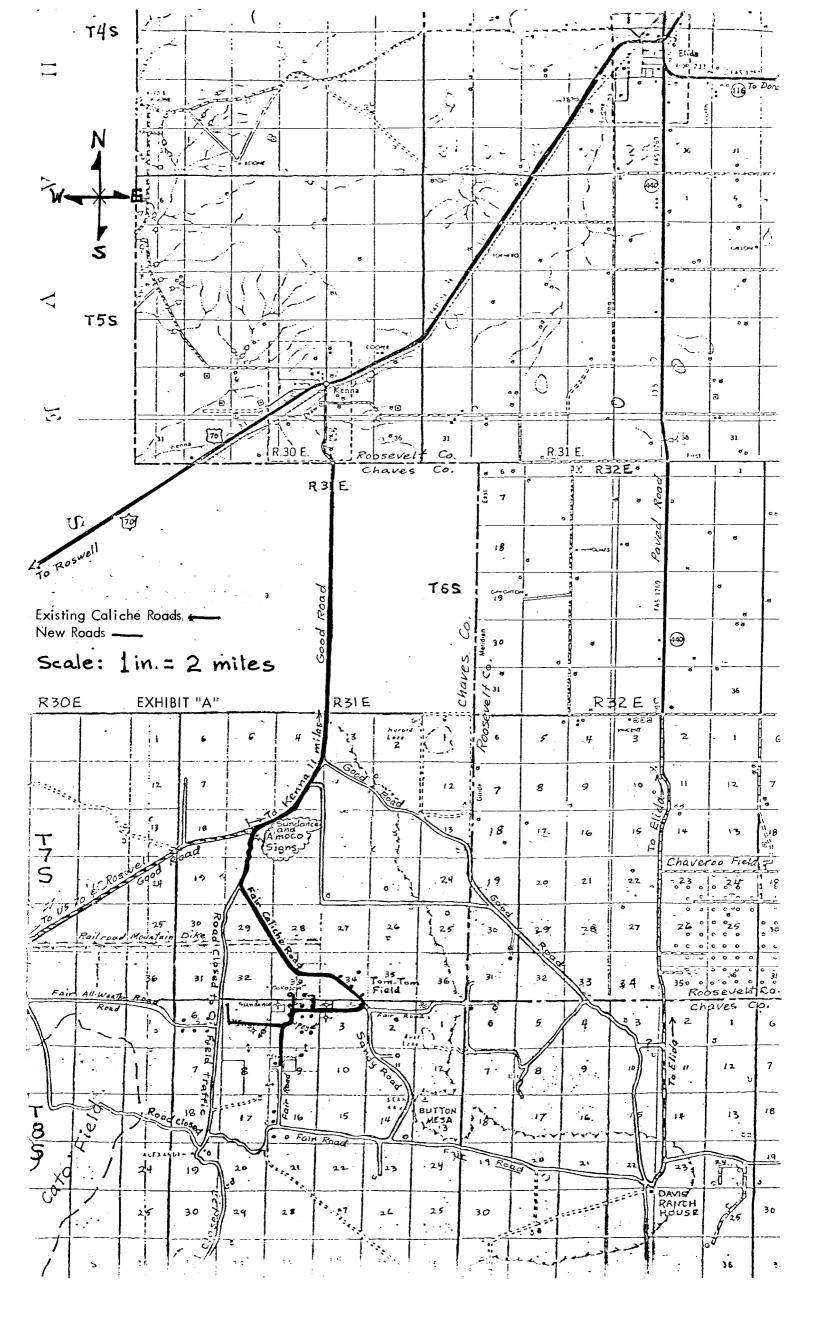
7/00.17,1977

Righard O. Dimit Chief Engineer

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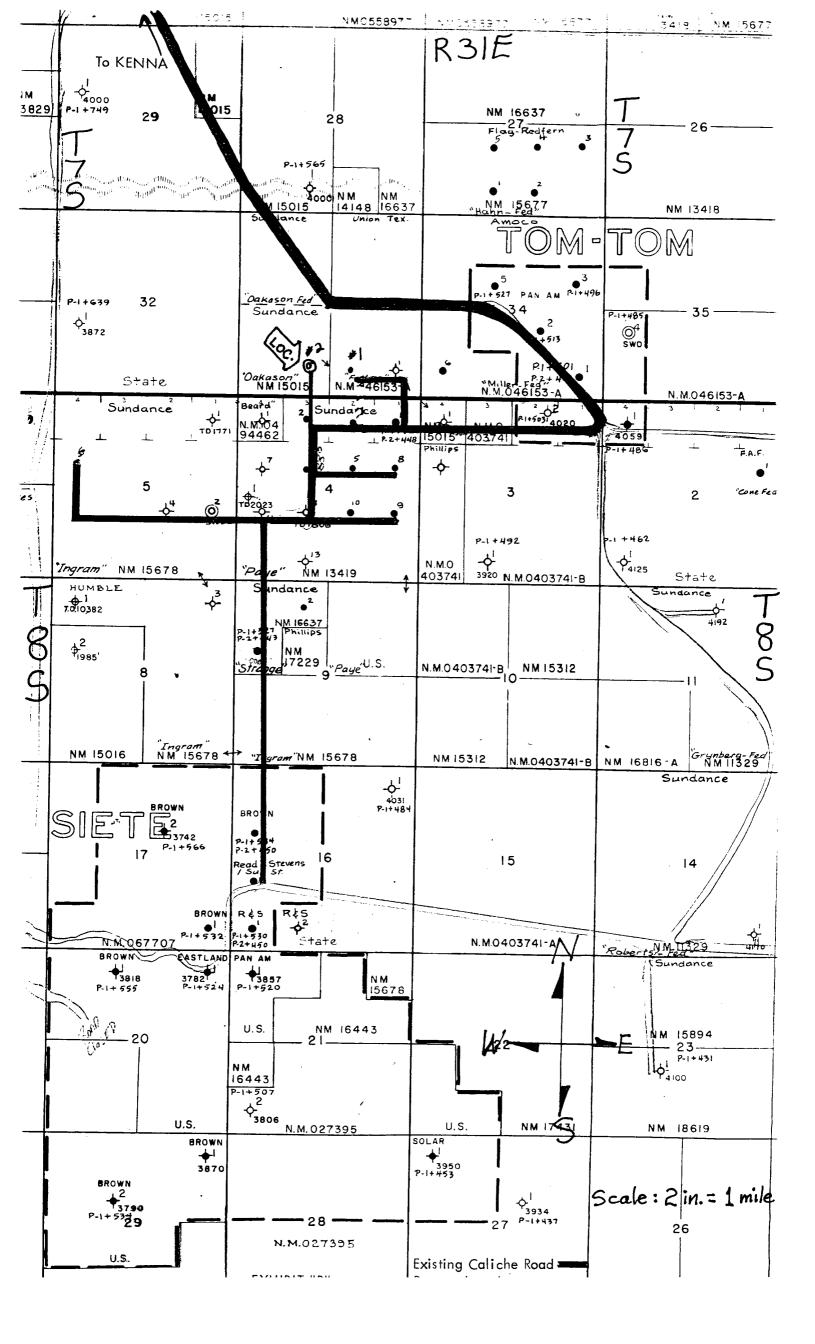
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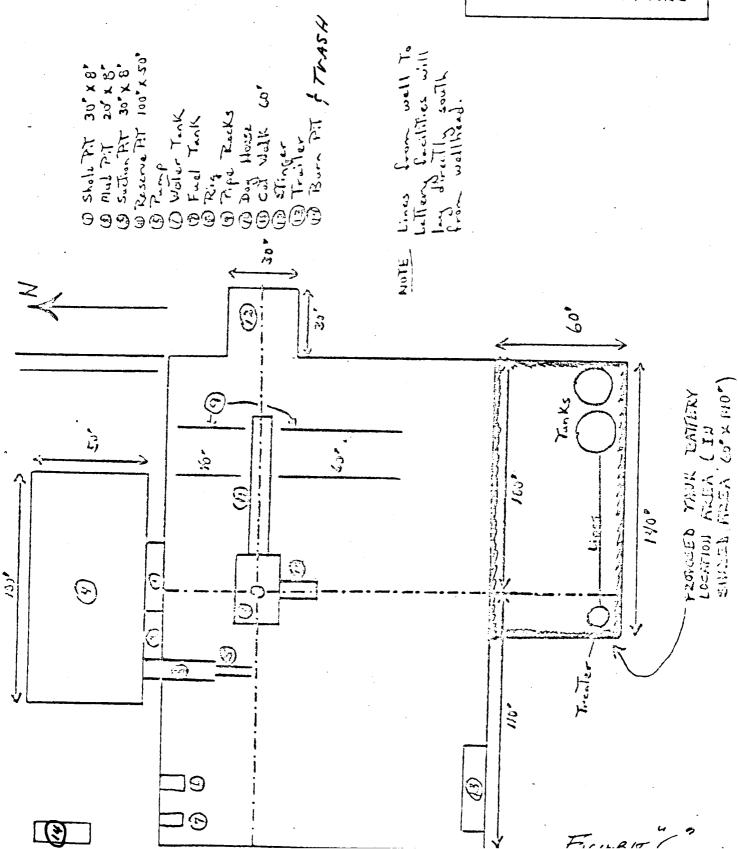


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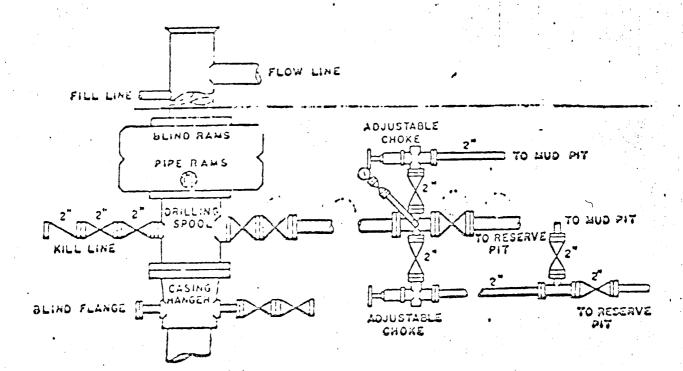
CAL COMSLAW ATOM: COMW. HOBBS, N. M.



LOCATION, MUD PIT AND PROPOSED TANK BATTERY AREA SPECIFICATIONS



BLONDOUT PREVENTER of CHOKE MIMITOID API 3M-8410-RdS



TO TO

OL COMM. SERVE, N. W.

RECEIVED

DEC 16 1077

D. C. D.