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2. NAME OF OPERATOR	9. WELL NO. 3 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CONSOLIDATED OIL & GAS INC. 3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME BASIN DAKOTA
P.O. BOX 2038 FARMINGTON, NEW MEXICO 1. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	11. SEC., T., R., M. OR BLK. AND SURVEY OF AREA
below.) (CHANGE LOCATION) AT SURFACE: 590' FSL & 1850' FNL AT TOP PROD. INTERVAL:	SEC. 27 TBIN RIBW
AT TOTAL DEPTH:	SAN JUAN
6. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
EQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	15. ELEVATIONS (SHOW DF, KDB, AND WD) 5570 GL
EST WATER SHUT-OFF RACTURE TREAT	
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including estimated date of starting any proposed work. If well is dimeasured and true vertical depths for all markers and zones pertinen. THE NANCE 1-E LOCATION HAS BEEN CHANGED FROM 27, T31N, R13W TO THE NEW LOCATION, 590' FS R13 W OF SAN JUAN COUNTY, NEW MEXICO. THIS TOM PERRY OF THE ARCHAEOLOGIST DEPT. OF THE FARMINGTON, NEW MEXICO. CONSOLIDATED HAS MEXICO. STATE FOR AN UNORTHODOX LOCATION.	M 790' FSL & 1850' FWL OF SEC. L & 1850' FWL FOF SEC 27 T31N, CHANGE WAS AT THE REQUEST OF BUREAU OF LANGE MANAGEMENT IN ADE AN APPLICATION WITH THE SAME IN THE SECOND IN THE SECON
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Consolidated Cil & Gas, BECEIVED

LINCOLN TOWER BUILDING 1860 LINCOLN STREET DENVER, COLORADO 80295 (303) 861-5252

U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.

April 2, 1980

U. S. Geological Survey P. O. Box 959 Farmington, New Mexico 87401

Application for Permit to Drill Nance No. 1-E

San Juan County, New Mexico

Gentlemen:

Following is the information requested in NTL-6 to accompany the permit to drill:

- Location: 790' FSL & 1850' FWL, "M", Sec. 27, T31N, R13W San Juan County, New Mexico
- 2. Elevation of Unprepared Ground: 5590'
- 3. Geologic Name of Surface Formation: Nacimiento
- <u>ن</u>. Type of Drilling Tools: Rotary
- 5. Proposed Drilling Depth: 6600'
- 6. Estimated Geologic Markers: 7. Anticipated Gas & Oil Ojo Alamo 300' Pictured Cliffs 1700' Χ Cliff House 3315' Χ Pt. Lookout 4090' Χ 6160' Greenhorn 6280' Χ Dakota

8. Casing Program and Setting Depth:

	Size	Weight	Grade	Condition	Setting Depth
Surface	8-5/8"	24.0#	K-55	New	250'
Production	5-1/2"	15.5#	K-55	New	6600'

9. Casing Setting Depth and Cementing:

Surface casing will be set at 250'. Cement will be circulated to surface with approximately 200 sx. Class "B" neat cement containing $2\%\ \text{CaCl}_2$.

Cementing Prognosis:

Production casing will be run to total depth. Two stage collars will be run in the casing string at approximately 1350' and 4900'. The casing will be cemented in three stages as follows:

1st Stage: 60 sx. 65/35 Pozmix with 12% gel, tailed in with 160 sx. 50/50 Pozmix with 4% gel and 0.5% FLA.

2nd Stage: 120 sx. 65/35 Pozmix with 6% gel, tailed in with 160 sx. 50/50 Pozmix with 4% gel and 0.4% FLA.

3rd Stage: 240 sx. 65/35 Pozmix with 12% gel, tailed in with 50 sx. 50/50 Pozmix with 2% gel and 0.4% FLA.

Note: Exact volume of cement to be determined after running Caliper log.

- 10. Pressure Control Equipment: See attached diagram "A".
- 11. Circulating Media: 0-250' fresh water spud mud; 250'-TD fresh water, low solid mud with following properties:

Viscosity 32-28 sec., water loss 20-6 cc, weight 8.5-9.0 ppg with heavier weights if required by well conditions.

- 12. Testing, Logging and Coring Programs:
 - a. Open hole logs will be run prior to running production casing.
 - b. Coring is not planned.
- 13. Abnormal Pressure or Temperature and Hydrogen Sulfide Gas:

We do not anticipate abnormal pressure, temperature or hydrogen sulfide gas; however, a remote control blowout preventer as shown on attached diagram "A" will be installed.

- 14. Anticipated Starting Date: Drilling operations should start shortly after April 25, 1980.
- 15. Other Facets of the Proposed Operations: None

Yours very truly,

CONSOLIDATED OIL & GAS, INC.

Merle J. Savage

Senior Production Engineer

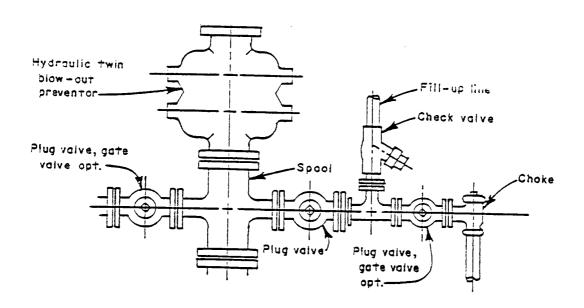
MJS:1t Attach.

DIAGRAM "A"

U.S.G.S. APPLICATION FOR PERMIT TO DRILL

CONSOLIDATED OIL & GAS, INC - OPERATO

NANCE No. 1-E SF 078463 SE SW Sec. 27, T31N, R13W San Juan County, New Mexico



DEVELOPMENT PLAN FOR SURFACE USE

NANCE No. 1-E

Consolidated Oil & Gas, Inc. - Operator

SF 078463

SE SW Sec. 27, T31N, R13W

San Juan County, New Mexico

1. Existing Roads

See enclosed topographic map (Attachment "A") which shows existing improved and unimproved roads.

2. Planned Access Roads

See enclosed topographic map (Attachment "A"). The new road will be approximately 300' long & 12' wide approaching the well from the southeast.

3. Location of Existing Wells

See enclosed lease map (Attachment "B").

4. Location of Existing and/or Proposed Facilities

See enclosed lease map (Attachment "B") showing location of wells and facilities operated by Consolidated Oil & Gas, Inc. If production is encountered, the tank battery and other required producing equipment will be located per attached completion plat (Attachment "C").

5. Location and Type of Water Supply

Water for drilling will be trucked approximately fifteen miles from an irrigation canal in Aztec, New Mexico or purchased locally and transported via irrigation pipe if water is available.

6. Source of Construction Materials

No additional construction material will be required.

7. Methods of Handling Waste Disposal

All waste material will be contained by earthen and steel pits. Earthen pits will be subsequently backfilled and buried. A portable chemical toilet will be furnished for drilling personnel.

8. Ancillary Facilities

No separate drill campsites are proposed.

9. Wellsite Layout

The drilling site location will be graded and will approximate $200' \times 250'$ with natural drainage to the northwest. Care will be taken while grading to control erosion.

10. Plans for Restoration of Surface

- A. Following drilling and completion operations, all equipment and material not needed for operations will be removed. Pits containing fluid will be fenced until filled with any additional pits filled and the location cleaned of all trash and junk.
- B. After abandonment, any special rehabilitation and/or revegetation requirements (reseed with seed mixture No. 2) will be complied with and accomplished as expeditiously as possible. All pits should be filled and leveled within 90 days after abandonment.

11. Other Information

The location is on the side of a slope in a rolling hills area, with sandy clay topsoil and vegetation consisting of scattered scrub cedar and pine as well as rabbit brush and native grasses. No residences or structures are nearby. The surface rights are leased by Warren Utton, Aztec, New Mexico. If, during operations, any historic or prehistoric ruin, monument or site, or any object of antiquity is discovered, work will be suspended and the discovery will be reported to the appropriate regulatory agency.

12. Operator's Representative

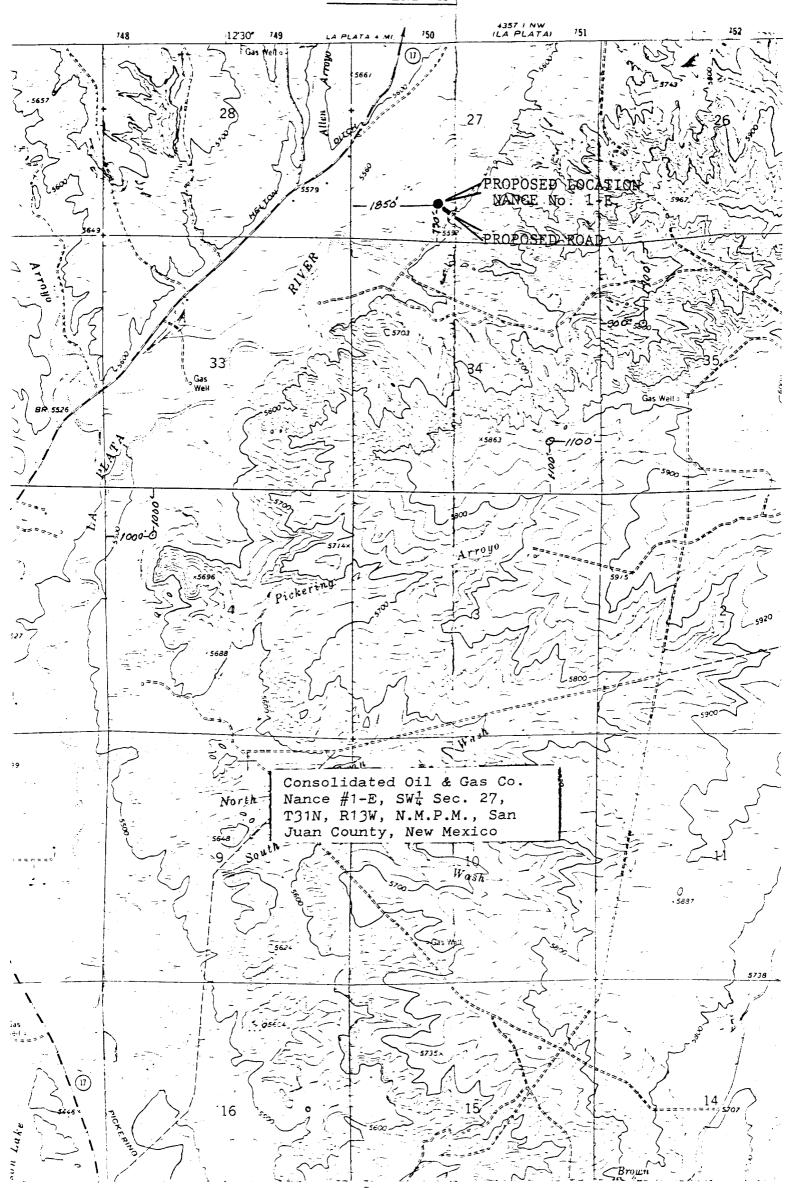
Consolidated Oil & Gas, Inc. Merle J. Savage, Senior Production Engineer 1860 Lincoln Street, Suite 1300 Denver, Colorado 80295 Phone (303) 861-5252

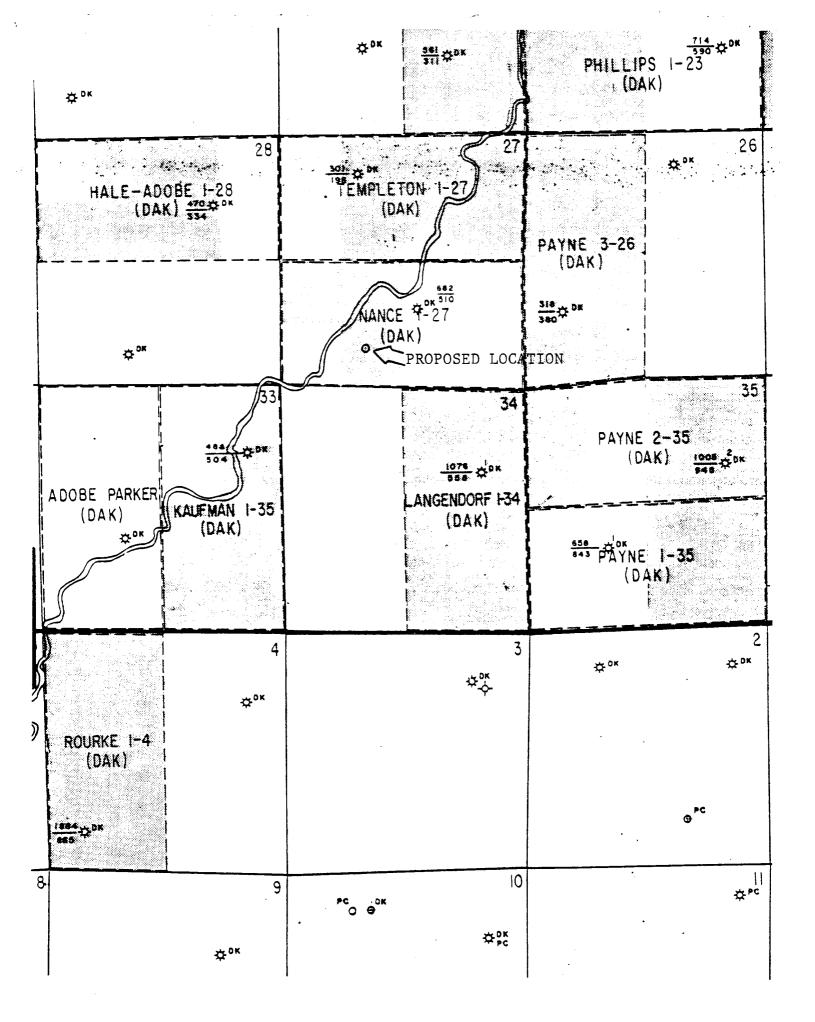
13. Certification

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 Consolidated Oil & Gas, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

8 April 80
Date

Merle J. Savage
Senior Production Engineer





ATTACHMENT "B"

Development Plan for Surface Use Consolidated Oil & Gas, Inc.

NANCE No. 1-E

SF 078463

SE SW Sec. 27, T31N, R13W San Juan County, New Mexico

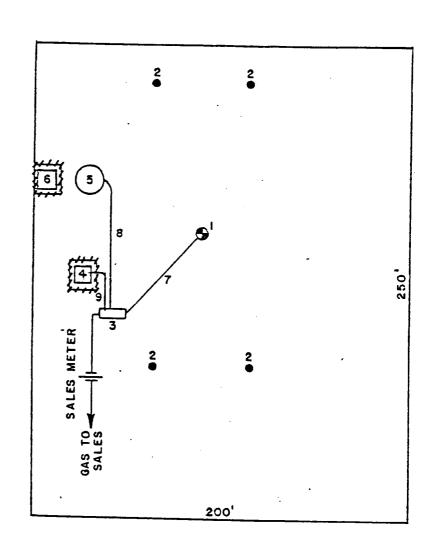
ATTACHMENT "C"

DEVELOPMENT PLAN FOR SURFACE USE

CONSOLIDATED OIL & GAS, INC. - OPERATOR

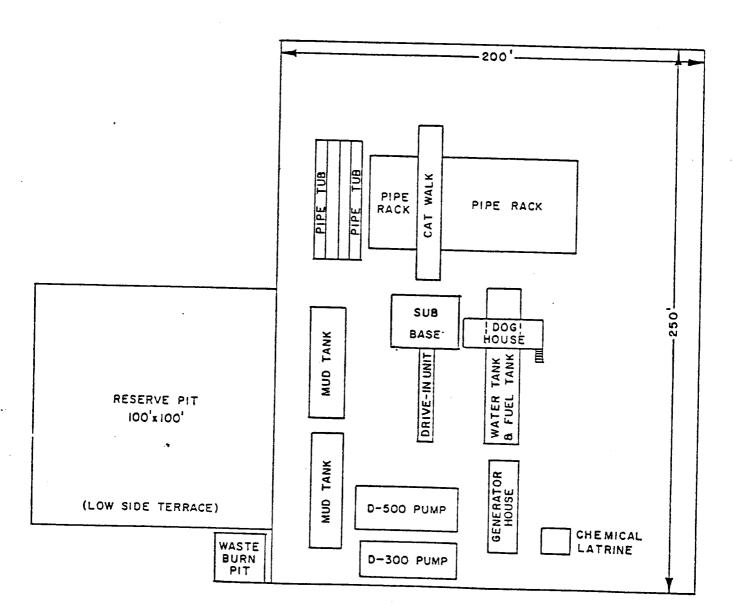
NANCE No. 1-E SF 078463 SE SW Sec. 27, T31N, R13W San Juan County, New Mexico

- 1. Well
- 2. Dead Men
 - 3. Prod. Unit
 - 4. Water Pit
 - 5. 300 bbl. 0il Tank
 - 6. Water Pit
 - 7. 2" Buried flow line
 - 8. 1½" Oil Line
- 9. 1½" Water Line



1" equals 50'

Fence -////



ATTACHMENT "D"

DEVELOPMENT PLAN FOR SURFACE USE

CONSOLIDATED OIL & GAS, INC. - OPERATOR

NANCE No. 1-E SF 078463 SE SW Sec. 27, T31N, R13W San Juan County, New Mexico