

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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  
 Consolidated Oil & Gas, Inc.  
 3. ADDRESS OF OPERATOR  
 1860 Lincoln Street, Denver, Colorado 80295  
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface SWNESE Sec. 2, T25N, R10W (1800' FSL, 800' FEL)  
 At proposed prod. zone Same

30-045-245-39  
 5. LEASE DESIGNATION AND SERIAL NO.  
 14-20-603-1926-1327  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Navajo  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 Navajo  
 9. WELL NO.  
 1-E  
 10. FIELD AND POOL, OR WILDCAT  
 Basin Dakota  
 11. SEC., T., R., M., OR BLK.  
 AND SURVEY OR AREA  
 Sec. 2, T25N, R10W, NMPM  
 12. COUNTY OR PARISH  
 San Juan  
 13. STATE  
 New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 2 miles north of Huerfano Trading Post, New Mexico  
 15. DISTANCE FROM PROPOSED\*  
 LOCATION TO NEAREST  
 PROPERTY OR LEASE LINE, FT.  
 (Also to nearest drlg. unit line, if any.) 800'  
 16. NO. OF ACRES IN LEASE  
 320<sup>2</sup> 160  
 17. NO. OF ACRES ASSIGNED  
 TO THIS WELL 160 E/319.79  
 18. DISTANCE FROM PROPOSED LOCATION\*  
 TO NEAREST WELL, DRILLING, COMPLETED,  
 OR APPLIED FOR, ON THIS LEASE, FT. 2800'  
 19. PROPOSED DEPTH  
 6815'  
 20. ROTARY OR CABLE TOOLS  
 Rotary  
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6837' GR  
 22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	250'	200 sk. Class "B"
7-7/8"	5-1/2"	15.5#	6815'	3 stages - 850 total sk.

1. Drill 12-1/4" hole to 250'. Run and cement to surface 8-5/8", 24# casing.
2. Install and test BOP and casinghead. Stand cemented a top of 8-5/8" hrs.
3. Drill 7-7/8" hole to TD. Run electrical surveys.
4. Run 5-1/2", 15.5#, K-55 production casing and cement.
5. Perforate Dakota sand, stimulate and complete well.

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 surface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED John E. Wey TITLE Division Oper. Engineer DATE July 23, 1980

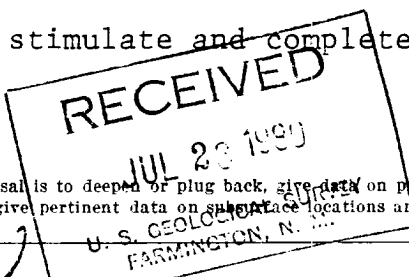
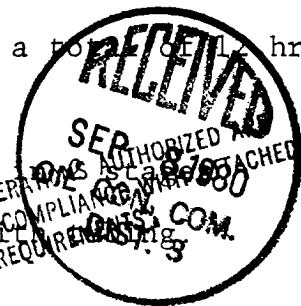
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PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

ok 3/24



**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Superseded C-128  
Effective 1-4-65

All distances must be from the outer boundaries of the Section.

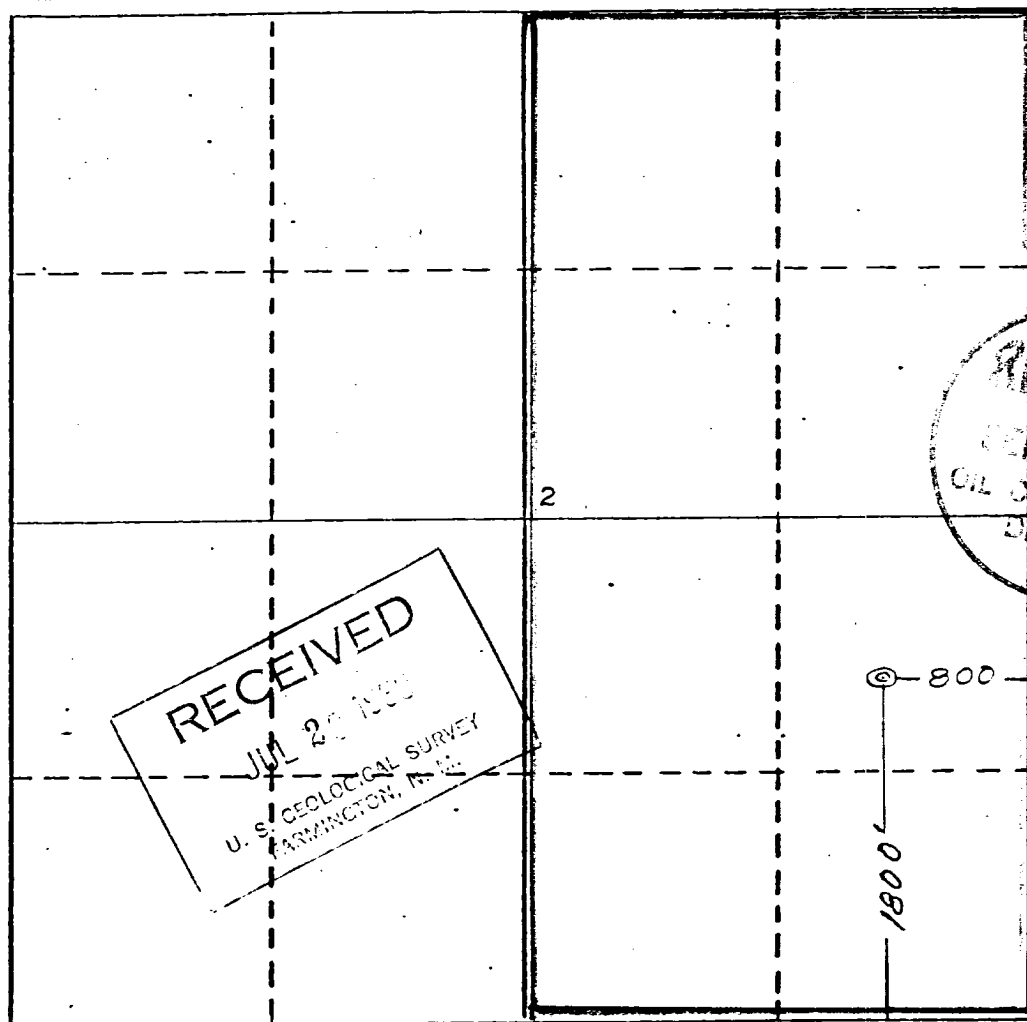
Operator <b>CONSOLIDATED OIL &amp; GAS INC.</b>			Lease <b>NAVAJO</b>		Well No. <b>1 - E</b>
Unit Letter <b>I</b>	Section <b>2</b>	Township <b>25 NORTH</b>	Range <b>10 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>1800</b> feet from the <b>SOUTH</b> line and <b>800</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6837</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>320</b> 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?

☐ 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.

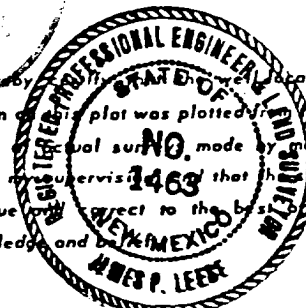


**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **John E. Wey**  
 Position **Division Operations Engineer**  
 Company **Consolidated Oil & Gas, Inc.**  
 Date **July 23, 1980**

I hereby certify that the location shown on this plat was plotted from field notes of actual survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed **June 23, 1980**  
 Registered Professional Engineer and/or Land Surveyor  
**James P. Leese**

Certificate No.  
**1463**



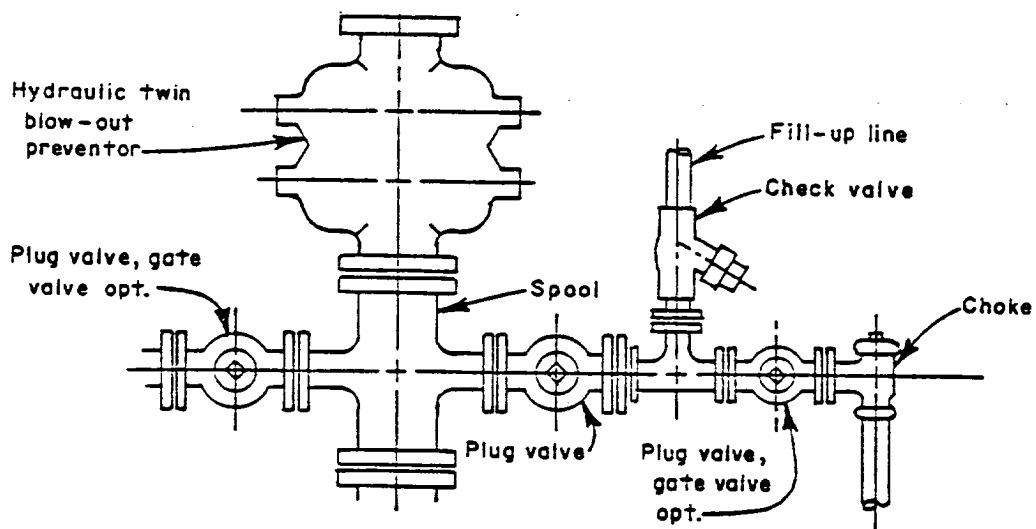
DIAGRAM "A"

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

CONSOLIDATED OIL & GAS, INC - OPERATOR

NAVAJO COM No. 1-E  
SWNESE, "I", Sec. 2, T25N, R10W  
San Juan County, New Mexico  
14-20-603-1326 1327

Schematic of BOPE



DEVELOPMENT PLAN FOR SURFACE USE

Consolidated Oil & Gas, Inc. - Operator

NAVAJO COM 1-E

SWNESE, "I", Sec. 2, T25N, R10W,  
San Juan County, New Mexico

14-20-603-~~1326~~ 1327

1. Existing Roads

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

2. Planned Access Roads

There is an existing road adjacent to the east edge of the well location.

3. Location of Existing Wells

See enclosed lease map (Attachment "E")

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, if available, and transported via irrigation pipe.

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' x 250' with natural drainage to the northwest. Care will be taken while grading to control erosion. See Attachment "D".

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 re-vegetation 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 a gently rolling plain with northwesterly drainage. The surface soil is a clayey, sandy loam and vegetation is sagebrush, galleta, vobb, thrush and blue gamma. No residences or structures are nearby. The surface rights are owned by the Navajo Tribe. If, during any 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.  
John E. Wey  
Division Operations Engineer  
1860 Lincoln Street, Suite 1300  
Denver, Colorado 80295  
Phone (303) 861-5252

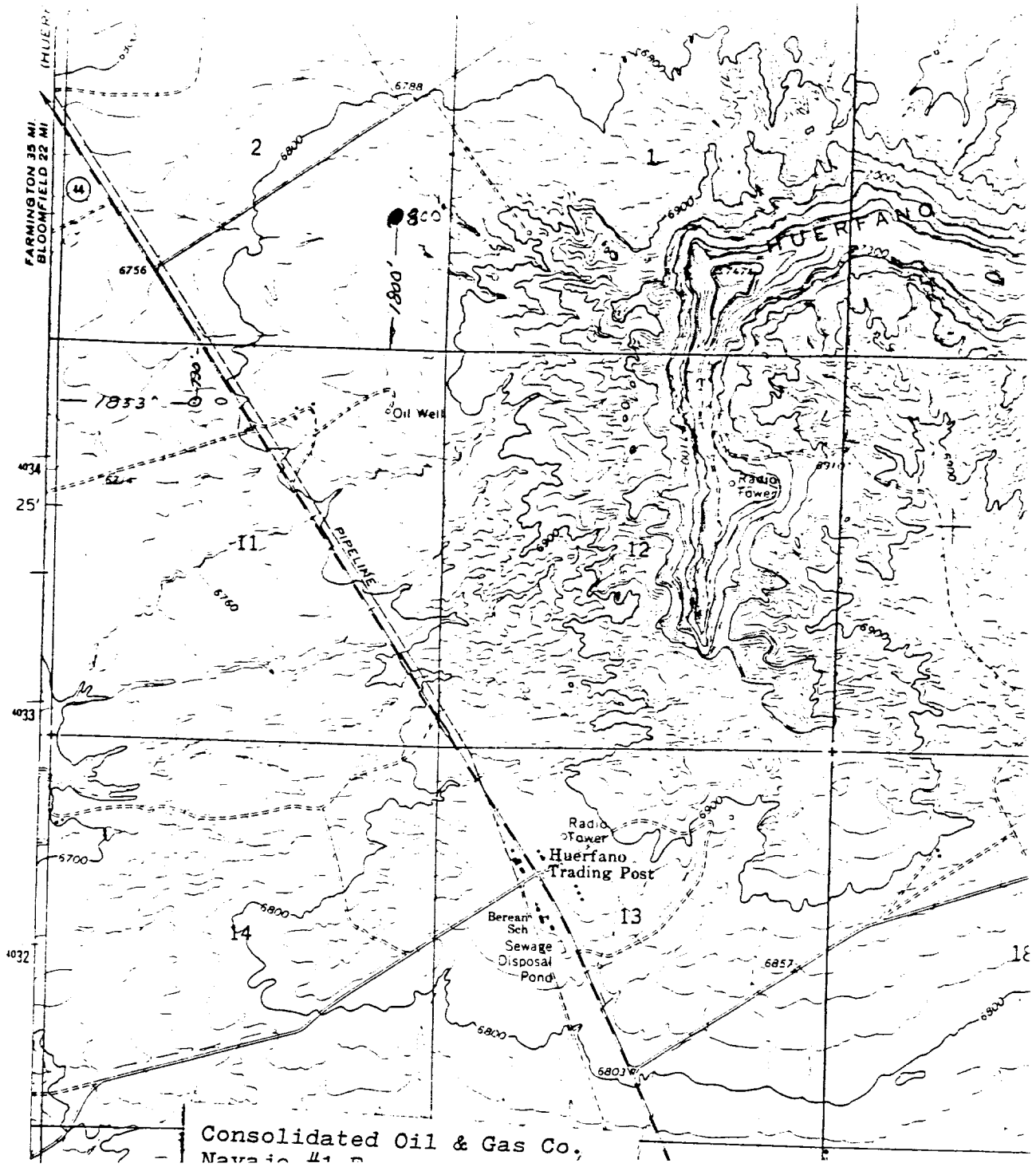
### 13. Certification

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.

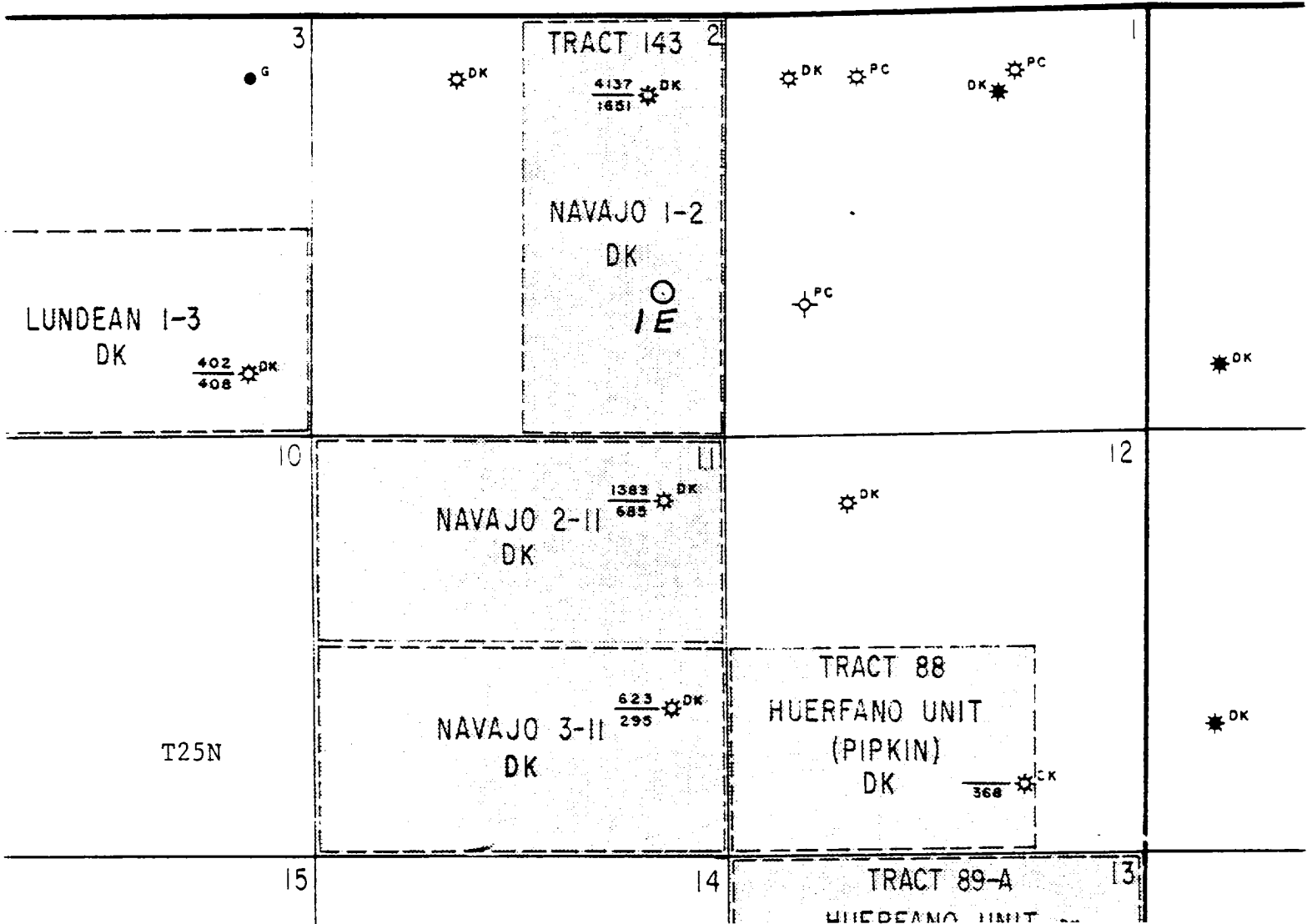
July 23, 1980

Date

  
John E. Wey  
Division Operations Engineer



R10W



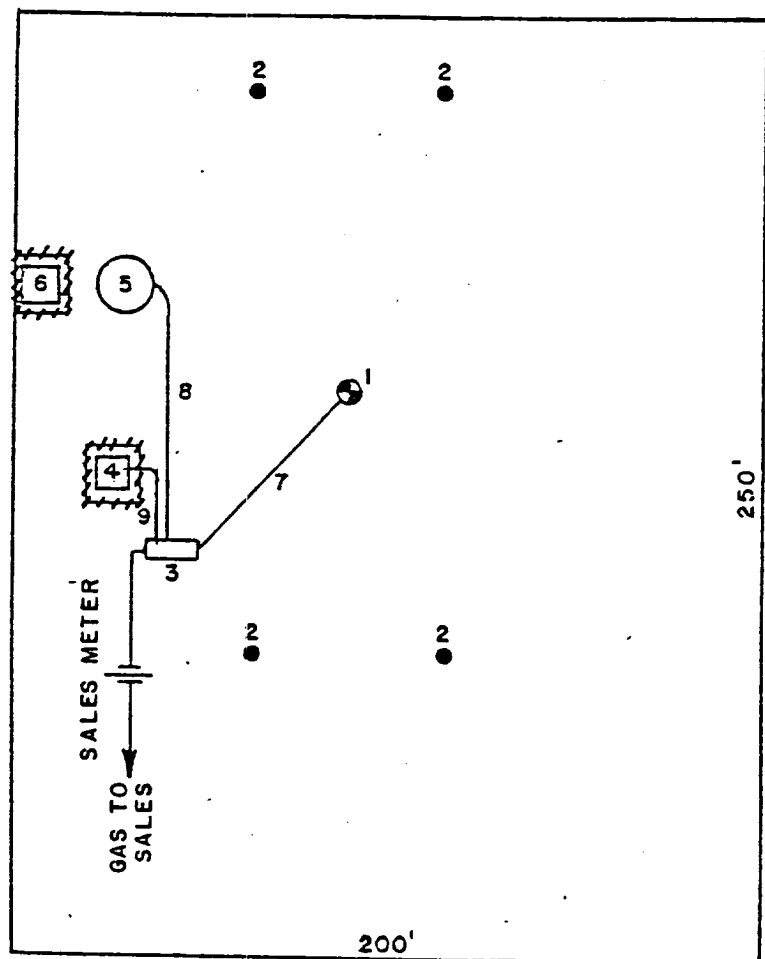
ATTACHMENT "C"

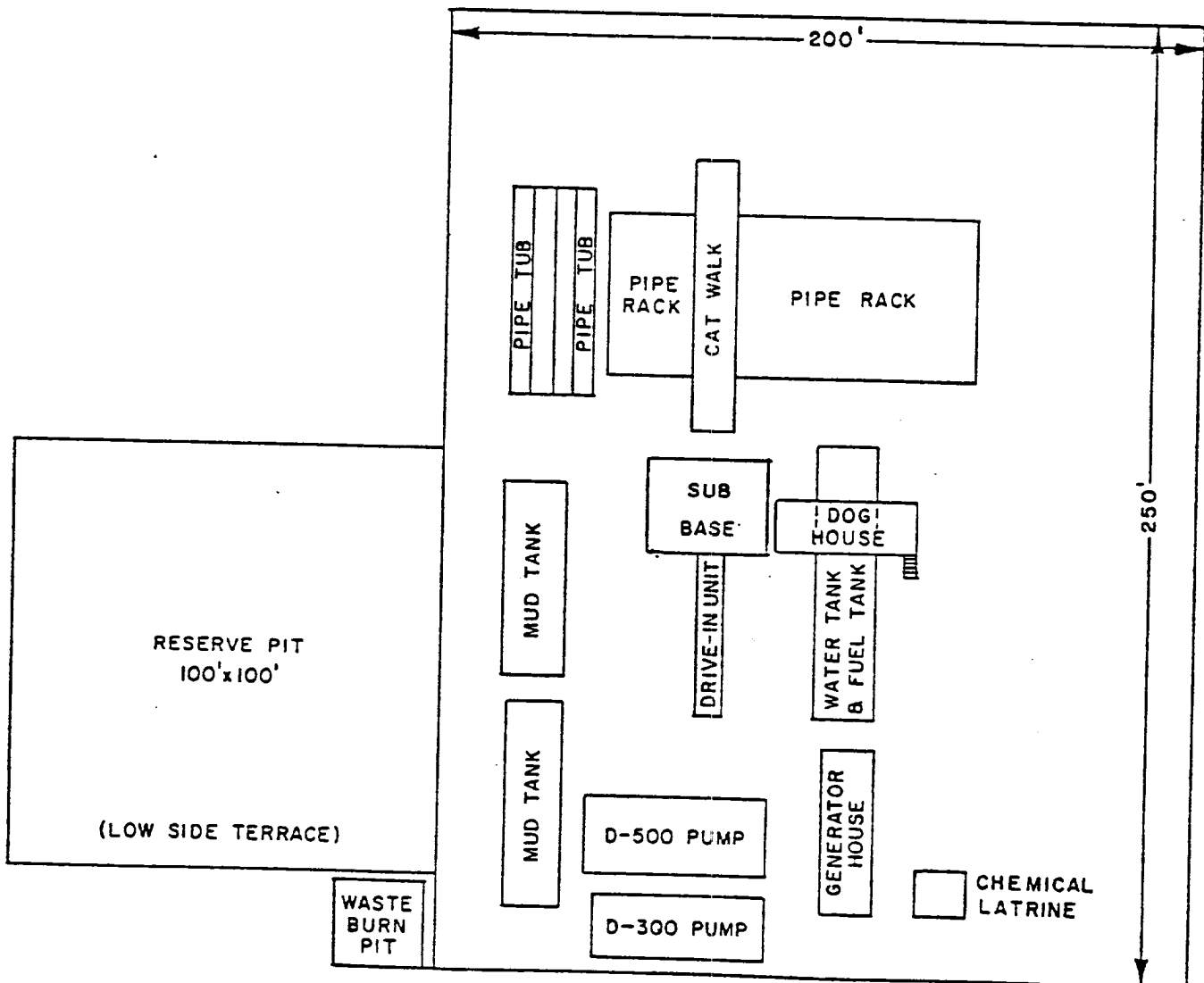
DEVELOPMENT PLAN FOR SURFACE USE

CONSOLIDATED OIL & GAS, INC. - OPERATOR

NAVAJO COM No. 1-E  
SWNESE, "I", Sec. 2, T25N, R10W  
San Juan County, New Mexico  
14-20-603-1326 1327

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



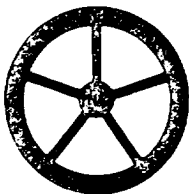


ATTACHMENT "D"

DEVELOPMENT PLAN FOR SURFACE USE

CONSOLIDATED OIL & GAS, INC. - OPERATOR

NAVAJO COM No. 1-E  
 SWNESE, "I", Sec. 2, T25N, R10W  
 San Juan County, New Mexico  
 14-20-603-~~1326~~ 1327



# Consolidated Oil & Gas, Inc.

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

July 23, 1980

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

Re: Application for Permit to Drill  
Navajo Com. No. 1-E  
San Juan County, New Mexico  
14-20-603-~~1326~~-1327

Gentlemen:

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

1. Location: 1800' FSL, 800' FEL, "I", Sec. 2, T25N, R10W  
San Juan County, New Mexico
2. Elevation of Unprepared Ground: 6837'
3. Geologic Name of Surface Formation: Nacimiento
4. Type of Drilling Tools: Rotary
5. Proposed Drilling Depth: 7015'
6. Estimated Geologic Markers:
7. Anticipated Gas & Oil

Ojo Alamo	1300'	
Pictured Cliffs	2195'	X
Pt. Lookout	4640'	
Greenhorn	6550'	
Dakota	6715'	X

8. Casing Program and Setting Depth:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Condition</u>	<u>Setting Depth</u>
Surface	8-5/8"	24.0#	K-55	New	250'
Production	5-1/2"	15.5#	K-55	New	7015'

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. One stage collars will be run in the casing string at approximately 1350'. The casing will be cemented in two 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: 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:

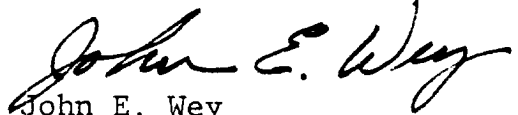
We do not anticipate abnormal pressure, temperature or hydrogen sulfide gas; however, a remote control blowout preventer as shown on attached Diagram "A" will be installed.

14. Anticipated Starting Date: Drilling operations should start within 20 days after approval.

15. Other Facets of the Proposed Operations: None

Yours very truly,

CONSOLIDATED OIL & GAS, INC.



John E. Wey  
Division Operations Engineer  
Rocky Mountain Division

JEW:lt  
Attach.