

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-034-21389
5. LEASE DESIGNATION AND SERIAL NO.

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 1850' FSL & 790' FEL of Section 5, T26N, R4W, NMPM
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 34 miles northwest of Lindrith

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790

16. NO. OF ACRES IN LEASE 2587.18

17. NO. OF ACRES ASSIGNED TO THIS WELL 320 (MU) . 160 (GL)

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1500

19. PROPOSED DEPTH 8500

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7231' Ungraded GR

22. APPROX. DATE WORK WILL START* April 15, 1977

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	40.5#	300	Circ. (approx. 250 sx.)
9-7/8"	7-5/8"	26.4#	4300	Circ. (approx. 600 sx.)
6-3/4"	5-1/2"	15.5 & 17#	8500	Approx. 375 sx.

1. Drill 15" hole to + 300'. Set 10-3/4" casing. Circulate cement to surface.
2. WOC 12 hrs.
3. Install blowout preventers. Pressure test surface casing and blowout preventer to 1000#
4. Drill 9-7/8" hole to approximately 300' below top of Pictured Cliff or to approximately 4300' with fresh water gel mud. Log. Run 7-5/8" casing and cement with approximately 600 sx. WOC 12 hrs.
5. Air or gas drill 6-3/4" hole to 8500'. Log
6. Set 5-1/2" casing with approximately 250 sx.
7. Selectively perforate and stimulate the Gallup and Mesaverde and complete as required by rules and regulations.

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 subsurface locations and measured and true vertical depths. Blowout preventer program, if any.

24. SIGNED *Thos E. Ellsworth* TITLE Area Production Manager DATE 3/17/77

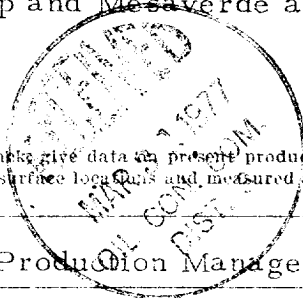
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

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MAR 20 1977

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

All distances must be from the outer boundaries of the Section

Operator CONSOLIDATED OIL AND GAS, INC.		Lease HOYT		Well No. 2 A
Unit Letter I	Section 5	Township 26 NORTH	Range 4 WEST	County RIO ARRIBA
Actual Footage Location of Well: 1850 feet from the SOUTH line and 790 feet from the EAST line				
Ground Level Elev. 7231	Producing Formation Gallup Mesaverde		Pool BS Mesa Gallup Blanco Mesaverde	Dedicated Acreage: 160 acres S/ 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?
 Yes No If answer is "yes," type of consolidation
- If answer is "no," list the owners and tract descriptions which have actually 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.

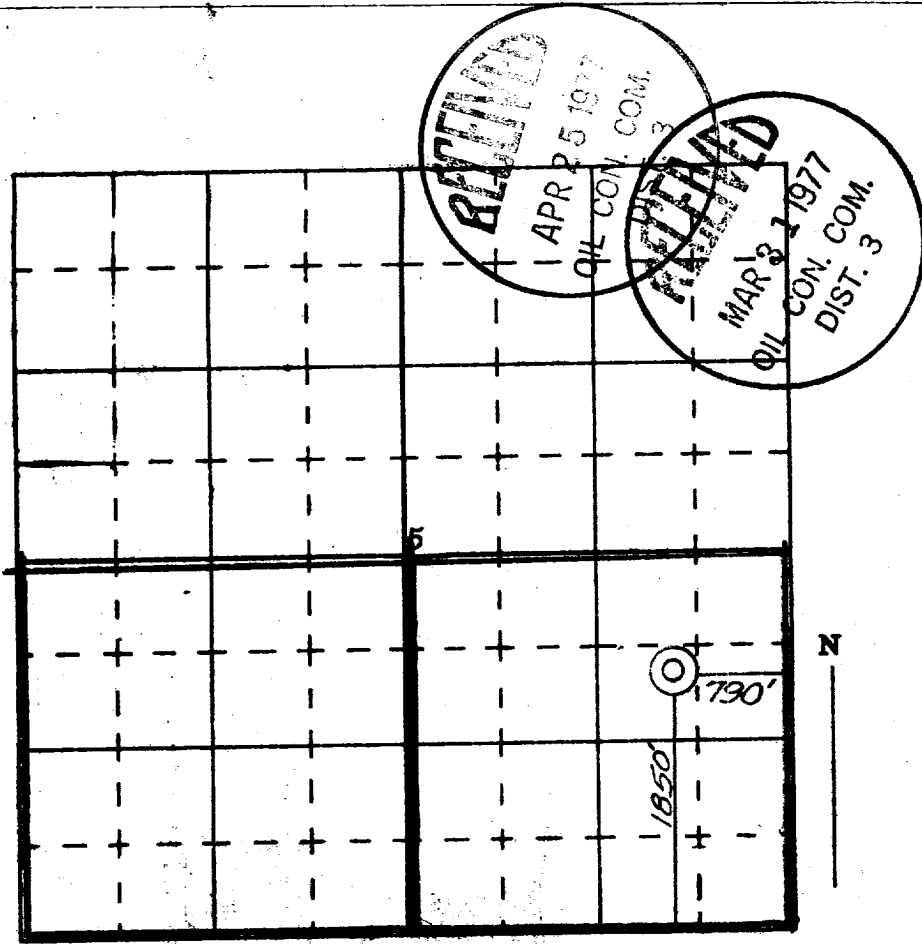
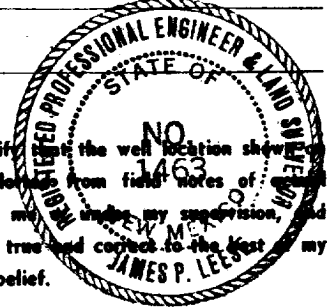
CERTIFICATION

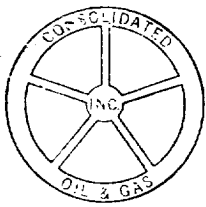
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Floyd E. Ellison Jr.
Name
Area Production Manager
Position
Consolidated Oil & Gas, Inc.
Company
4/22/77
Date

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

25 February 1977
Date Surveyed
James P. Leese
Registered Professional Engineer
and/or Land Surveyor **James P. Leese**





Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1880 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

80295

March 17, 1977

U. S. Geological Survey
P. O. Box 1809
Durango, Colorado 81301

Re: Application for Permit to Drill
Hoyt 2A-5
Rio Arriba County, New Mexico

Gentlemen:

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

1. Location: 1850' FSL and 790' FEL Sec. 5, T26N, R4W, Rio Arriba County, New Mexico
2. Elevation of Unprepared Ground: 7231 GL
3. Geologic Name of Surface Formation: San Jose
4. Type Drilling Tools: Rotary
5. Proposed Drilling Depth: 8500'
6. Estimated Tops of Geologic Markers: Ojo Alamo 3700'; Pictured Cliff 3990'; Cliff House 5660'; Pt. Lookout 6145'; Gallup 7350'; Dakota 8340'
7. Estimated Depths at Which Anticipated Gas or Oil Bearing Formations Expected: Pictured Cliff 3990'; Cliff House 5660'; Pt. Lookout 6145'; Gallup 7350'; Dakota 8340'
8. Casing Program and Setting Depth:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Condition</u>	<u>Setting Depth</u>
Surface	10-3/4"	40.5#	X-42	New	300'
Intermediate	7-5/8"	26.4#	K-55	New	4300'
Liner	5-1/2"	15.5 & 17	K-55	New	8500'

9. Casing Setting Depth and Cementing:

- a. Surface casing will be set at 300'. Cement will be circulated to surface with approximately 250 sx. neat cement containing 2% CaCl_2 .
- b. Intermediate casing will be set to approximately 300' below the top of the Pictured Cliff or approximately 4300'. Cement will be circulated to surface using approximately 500 sx. 65/25 Pozmix containing 12% gel followed by 100 sx. neat containing 2% CaCl_2 .
- c. Liner will be set to total depth of approximately 8500' using estimated 375 sx. 50/50 Pozmix containing 4% gel and some lost circulation material (Tuf-plug or Gilsonite).

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

10. Pressure Control Equipment: See attached diagram "A"

11. Circulating Media: 0-300' fresh water spud mud; 300-4300' fresh water low solid mud with following properties:

Viscosity 32-38 sec., water loss 20-6 cc, weight 8.5-9.0 ppg. with heavier weights if required by well conditions; 4300-8500' air or gas with conversion to mud of above characteristics if hole becomes wet.

12. Testing, Logging and Coring Programs:

- a. Open hole logs will be run prior to running intermediate casing and production liner
- b. Coring is not planned

13. Abnormal Pressure or Temperature and Hydrogen Sulfide Gas:

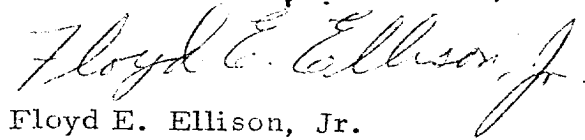
We do not anticipate abnormal pressure, temperature, or hydrogen sulfide gas; however, remote control blowout preventer as shown on attached diagram "A" will be installed.

U. S. Geological Survey
March 17, 1977
Page 3

14. Anticipated Starting Date: Drilling operations should start shortly after April 15, 1977
15. Other Facets of the Proposed Operations: None

Yours very truly,

CONSOLIDATED OIL & GAS, INC.



Floyd E. Ellison, Jr.
Area Production Manager

FEE:lt
Attach.

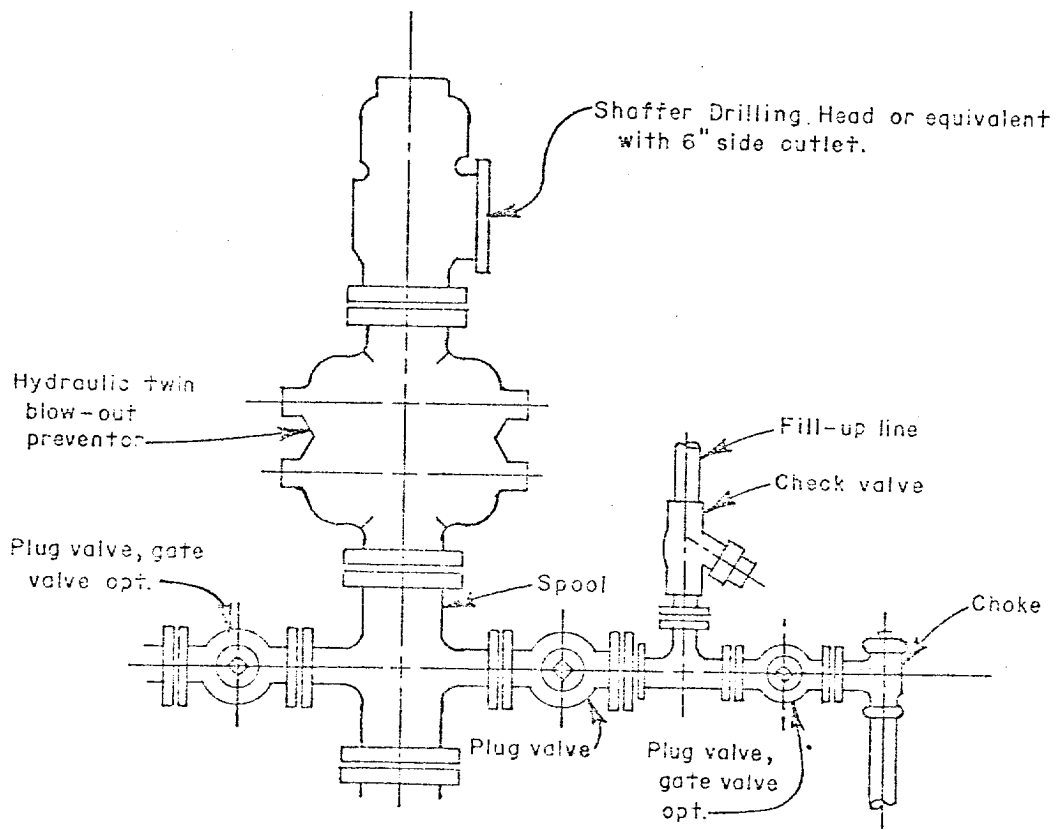


Diagram "A"

DEVELOPMENT PLAN FOR SURFACE USE

Hoyt 2A-5

Consolidated Oil & Gas, Inc. - Operator

Jicarilla Apache Tribal Contract #119
NE SE Sec. 5-T26N-R4W NMPM
Rio Arriba County, New Mexico

1. Existing Roads

See enclosed topographic map (Exhibit 1) which shows existing improved and unimproved roads. The town of Lindrith can be found by driving 1/4 mile northwest, then 3 miles southeast to Tapacito Creek, then east 2-3/4 miles on Tapacito Creek Road to Highway 537, then 15 miles south on Highway 537 and 13 miles east on a County road.

2. Planned Access Roads

See enclosed topographic map. The required new road will be approximately 1600' long and 12' wide.

3. Location of Existing Wells

See enclosed topographic map

4. Location of Existing and/or Proposed Facilities

See enclosed topographic map 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. (Exhibit 2)

5. Location and Type of Water Supply

Water for drilling will be trucked approximately nine miles from water hole in Cereza Wash

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 west. Care will be taken while grading to control erosion. A 6' cut will be required on the west side of the wellsite. See attached drillsite layout (Exhibit 3)

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 in an area of rolling hills with some sharp relief. The sandy clay soil has sagebrush, scrub cedar and gramma vegetation with the land used for grazing. There are no structures nearby. The surface is owned by the Indians.

12. Operator's Representative

Consolidated Oil & Gas, Inc.
Floyd E. Ellison, Jr.
Area Production Manager
1860 Lincoln Street
Denver, Colorado 80295
Phone (303) 255-1751

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 subcontractors in conformity with this plan and the terms and conditions under which it is approved.

3/18/77
Date

Floyd E. Ellison, Jr.
Floyd E. Ellison, Jr.
Area Production Manager