

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 &amp; 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

1550' FSL, 950' FWL

At proposed prod. zone Same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

35 miles northwest of Lindrith, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

950'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

400'

## 16. NO. OF ACRES IN LEASE

800 <sup>225817.18</sup>17. NO. OF ACRES ASSIGNED  
TO THIS WELL160320 <sup>W/329.52</sup>

## 19. PROPOSED DEPTH

8300'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7110' GR, ungraded

## 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
15-1/2"	10-3/4"	40.50 lb.	250'	300 sk, circulate
9-7/8"	7-5/8"	26.4 lb.	4,050'	200 sk
6-3/4"	5-1/2"	17 & 15.5 lb.	8,300'	300 sk.

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
GENERAL REQUIREMENTSThis action is subject to administrative  
approval pursuant to 30 CFR 250.

1. Drill 15-1/2" hole to 250'. Run and cement 10-3/4", 40 lb. casing to surface.
2. Install and test BOP and casinghead. Stand cemented 12 hrs.
3. Drill 9-7/8" hole to 4,050'. Cement intermediate casing with 200 sk.
4. Air or gas drill 6-3/4" hole to TD
5. Run 5-1/2", 17 lb. and 15.5 lb. liner and cement with 300 sk.
6. Perforate Dakota sand, stimulate and complete.

RECEIVED

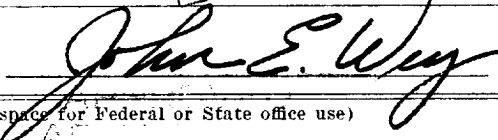
AUG 4 1980

GEOLOGICAL SURVEY  
FARMINGTON, N. M.

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. Give blowout preventer program, if any.

24.

SIGNED



TITLE Division Oper. Engineer

DATE July 31, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY



TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NWU 3-89

sh 3rd

NMOCC

All distances must be from the outer boundaries of the Section

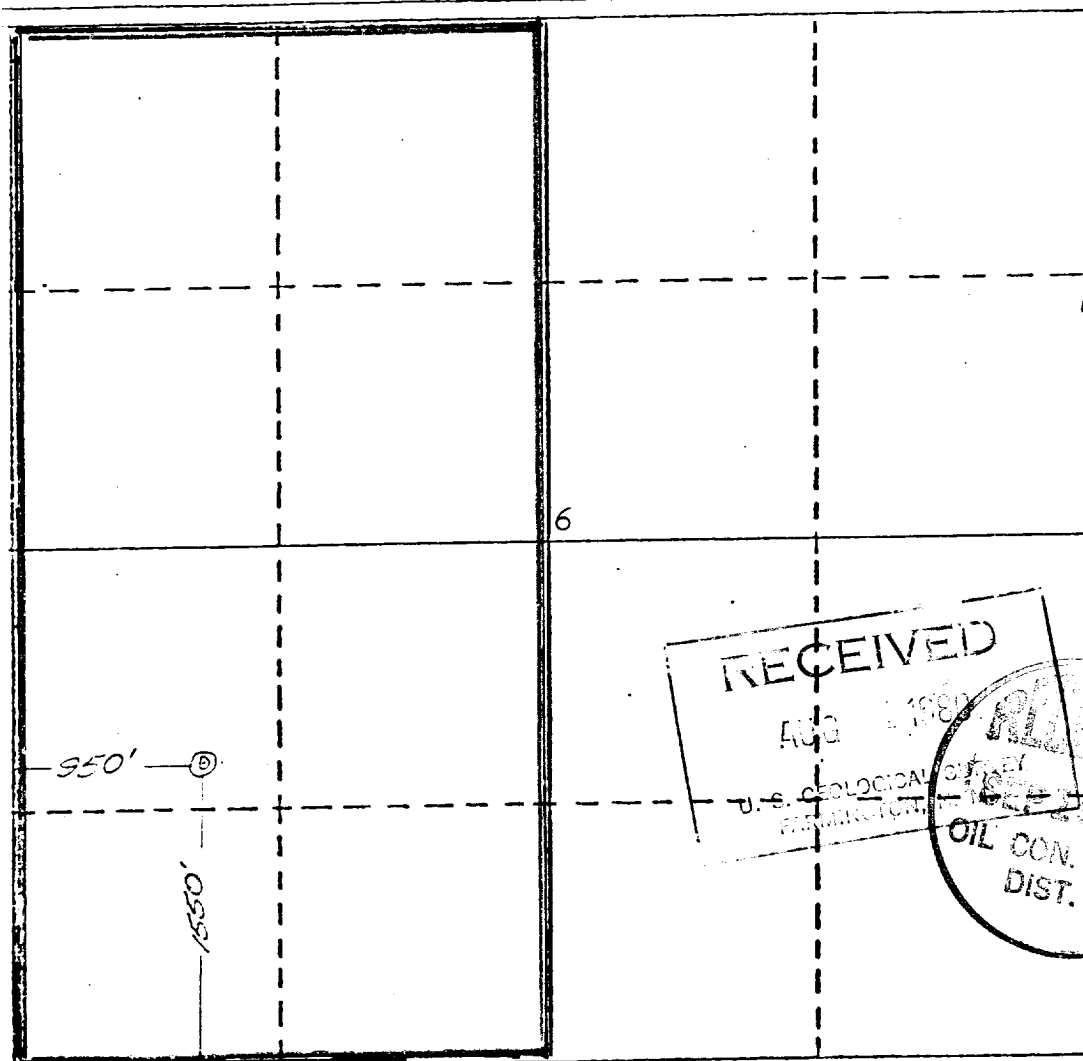
Operator <b>CONSOLIDATED OIL &amp; GAS, INC.</b>			Lease <b>NW <del>REDFIELD</del></b>		Well No. <b>3-E</b>
Unit Letter <b>L</b>	Section <b>6</b>	Township <b>26 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: 1550 feet from the <b>SOUTH</b> line and 950 feet from the <b>WEST</b> line					
Ground Level Elev. <b>7110</b>	Producing Formation <b>Dakota</b>	Pool <b>Jicarilla Area</b>		Dedicated Acres <b>40/329.52</b> <del>160320</del> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Division.



# CERTIFICATION

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

*John E. Wey*  
Name  
**John E. Wey**

Position  
**Division Operations Engineer**

Company  
**Consolidated Oil & Gas, Inc.**

Date  
**July 31, 1980**

I hereby certify that the well location shown on this plat was plotted from field notes and 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.

**REGISTERED PROFESSIONAL ENGINEER**  
**STATE OF NEW MEXICO**  
**1463**  
**JAMES P. LEASE**

Date Surveyed  
**June 14, 1980**

Registered Professional Engineer and/or Land Surveyor

*James P. Lease*  
**James P. Lease**

Certificate No.

**1463**

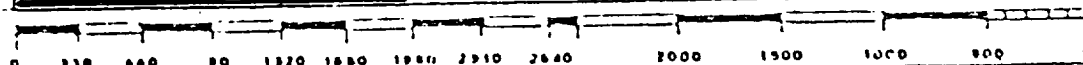


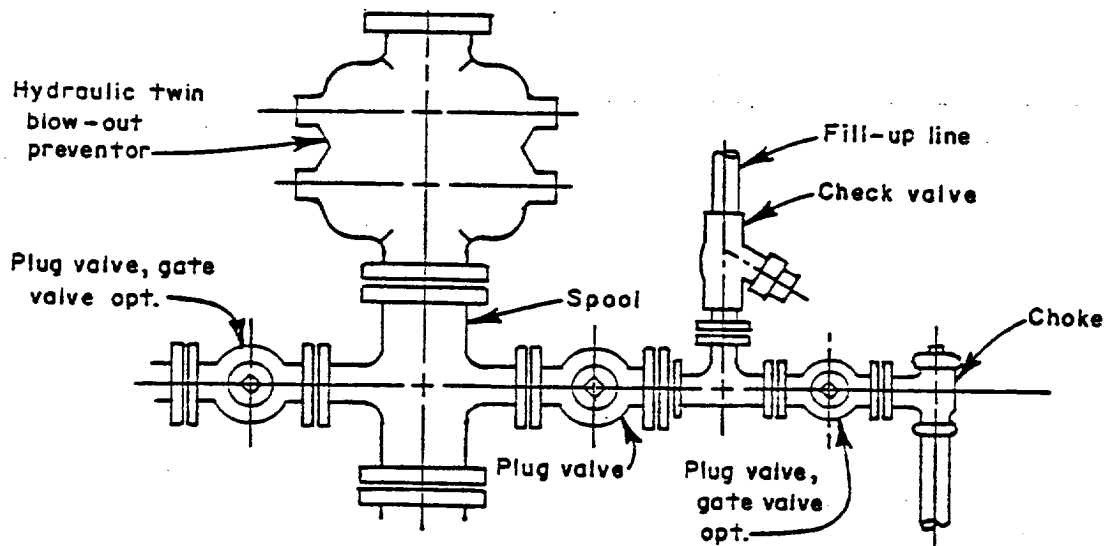
DIAGRAM "A"

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

CONSOLIDATED OIL & GAS, INC - OPERATOR

NORTHWEST FEDERAL No. 3-E  
NWSW Sec. 6, T26N, R4W  
Rio Arriba County, New Mexico  
(Contract No. 119)

PRESSURE CONTROL EQUIPMENT



DEVELOPMENT PLAN FOR SURFACE USE

Consolidated Oil & Gas, Inc. - Operator

NORTHWEST FEDERAL No. 1 WELL

NWSW Sec. 6, T25N, R4W  
Rio Arriba County, New Mexico

Contract No. 119

1. Existing Roads

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

2. Planned Access Roads

A short (20' wide x 50' long) road approaching the location from the north off an existing location will be constructed.

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 twenty miles 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 south. 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 rolling mesa top with alluvial surface deposits and sandstone outcrops. Vegetation consists of scrub oak, juniper, mountain mahogany, scarlet penstemon, antelope bitter brush, Indian rice grass, prickley pear, yucca and pinon. No residences or structures are nearby. The surface rights are owned by The Jicarilla Apache Tribe. During any operations, if 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

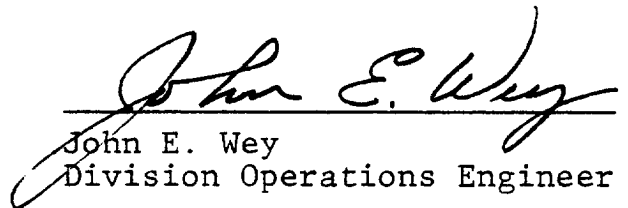
Consolidated Oil & Gas, Inc.  
John E. Wey  
Division Operations Engineer  
1850 Lincoln Street, Suite 1300  
Denver, Colorado 80295  
Phone: (303) 861-5252

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 31, 1980

Date

  
\_\_\_\_\_  
John E. Wey  
Division Operations Engineer

ATTACHMENT "C"

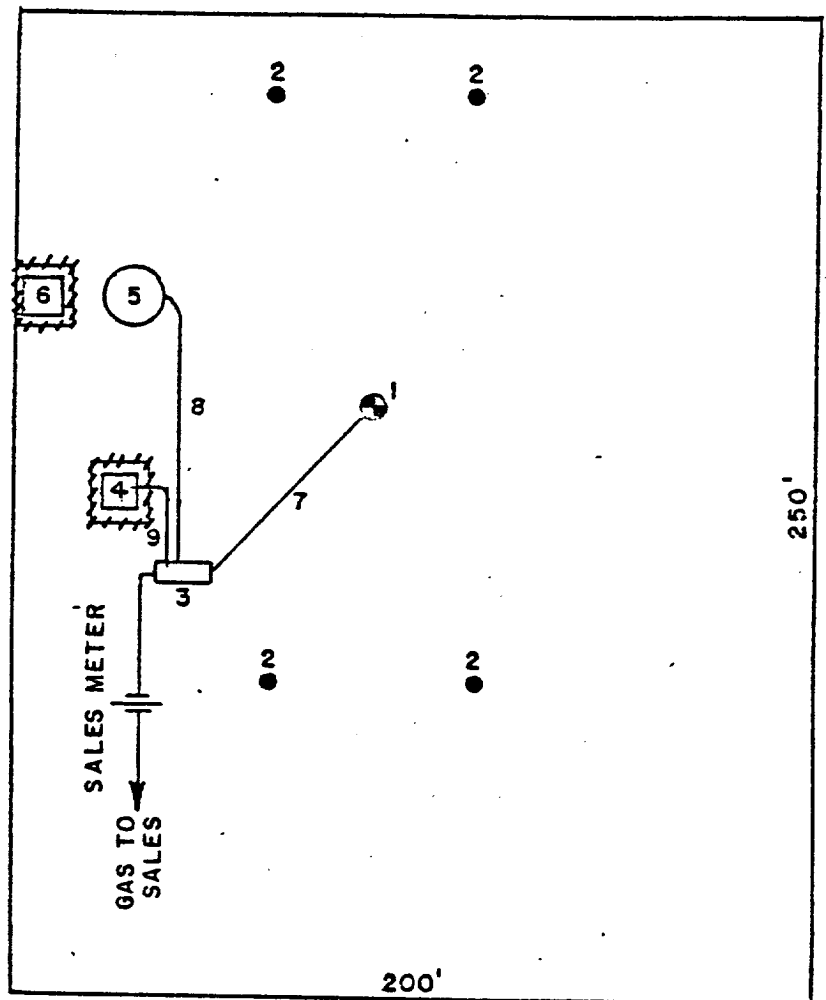
DEVELOPMENT PLAN FOR SURFACE USE

CONSOLIDATED OIL & GAS, INC. - OPERATOR

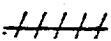
NORTHWEST FEDERAL No. 3-E  
NWSW Sec. 6, T26N, R4W  
Rio Arriba County, New Mexico  
(Contract No. 119)

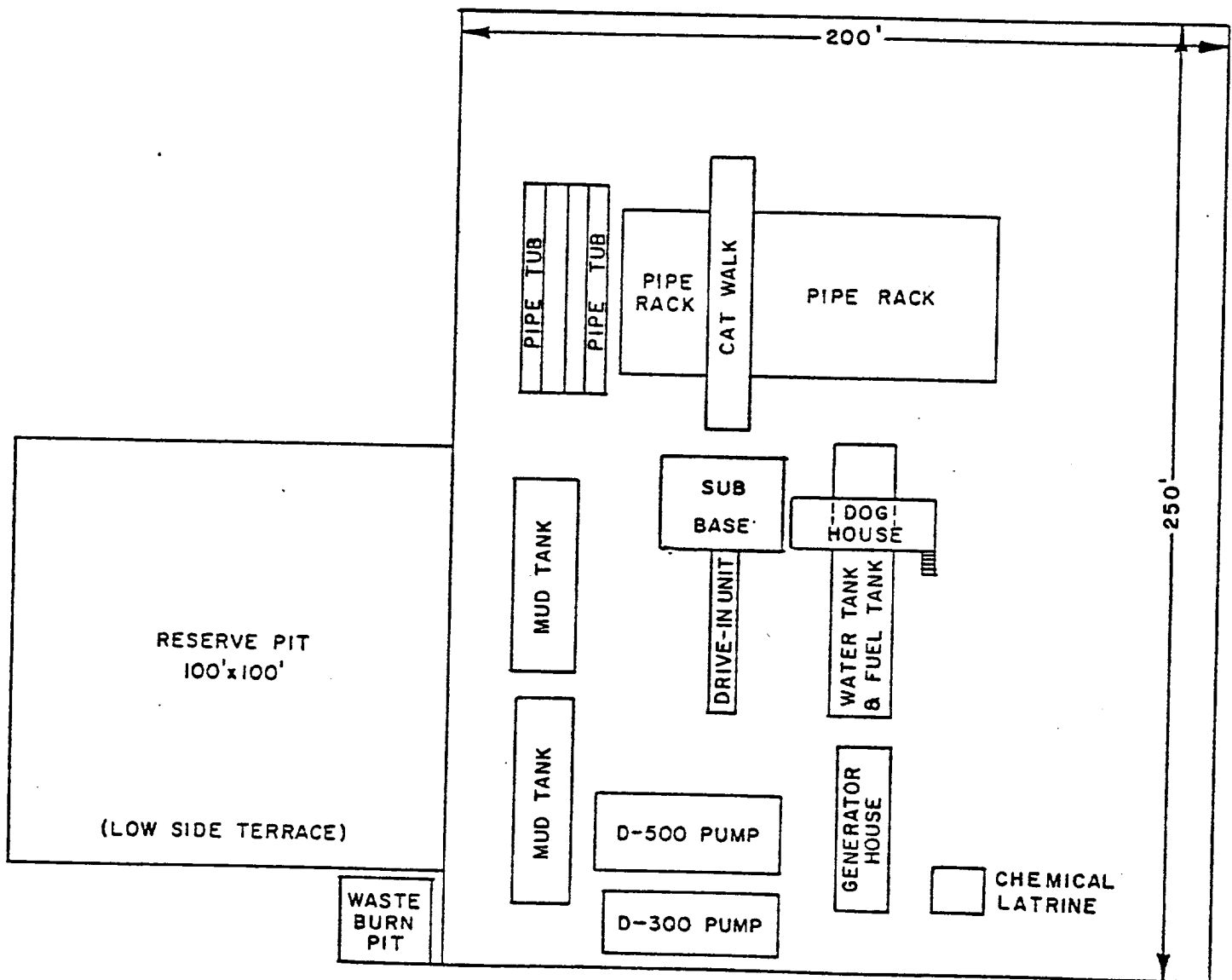
PROPOSED COMPLETION LAYOUT

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



1" equals 50'

Fence 



ATTACHMENT "D"

DEVELOPMENT PLAN FOR SURFACE USE

CONSOLIDATED OIL & GAS, INC. - OPERATOR

NORTHWEST FEDERAL No. 3-E

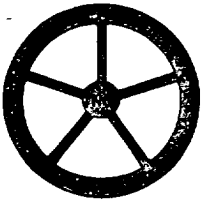
NWSW Sec. 6, T26N, R4W

Rio Arriba County, New Mexico

(Contract No. 119)

PROPOSED WELLSITE LAYOUT FOR DRILLING





# Consolidated Oil & Gas, Inc.

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

July 31, 1980

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

Re: Application for Permit to Drill  
Northwest Federal No. 3-E Well  
Rio Arriba County, New Mexico  
Contract No. 119

Gentlemen:

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

1. Location: 1550' FSL, 950' FWL, "L", Sec. 6, T26N, R4W  
Rio Arriba County, New Mexico
2. Elevation of Unprepared Ground: 7110'
3. Geologic Name of Surface Formation: Nacimiento
4. Type of Drilling Tools: Rotary
5. Proposed Drilling Depth: 8300'
6. Estimated Geologic Markers:
7. Anticipated Gas & Oil

Ojo Alamo	3250'	
Pictured Cliffs	3800'	X
Cliff House	5475'	X
Pt. Lookout	5955'	X
Greenhorn	7860'	
Dakota	8080'	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'
Intermediate	7-5/8"	26.4#	K-55	New	4,050'
Liner	5-1/2"	15.5# & 17#	K-55	New	3950-8300'

9. Casing Setting Depth and Cementing:

Surface casing will be set at 250'. Cement will be circulated to surface with approximately 300 sk. Class "B" neat cement containing 2%  $\text{CaCl}_2$ .

Cementing Prognosis:

- a. 7-5/8" Intermediate casing will be run to 4,050' and cemented with 100 sk. of 65/35 Pozmix, 12% gel, followed by 100 sk. of Class "B", all with 2%  $\text{CaCl}_2$ .
- b. 5-1/2" liner will be run from T.D. to 100' above shoe of 7-5/8" and cemented with 300 sk. of 50/50 Pozmix, 4% gel, 10 lb./sk. Gilsonite and 0.4% FLA.

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

11. Circulating Media: 0-250' fresh water spud mud; 250'-4050' fresh water, low solid mud with following properties: viscosity 32-28 sec., water loss 10-15 cc, weight 8.5-9.0 ppg with heavier weights if required by well conditions. 4050'-8300': air or gas drilling.

12. Testing, Logging and Coring Programs:

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

13. Abnormal Pressure or Temperature and Hydrogen Sulfide Gas:

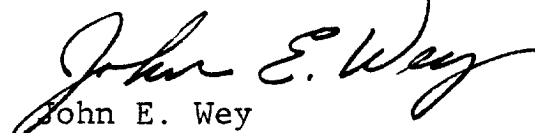
We do not anticipate abnormal pressure, temperature or hydrogen sulfide gas; however, a remote control blowout preventer as shown on attached Diagram "A" will be installed.

14. Anticipated Starting Date: Drilling operations should start within 60 days after receiving 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.