

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-22541

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

NM 4457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Schalk 57

9. WELL NO.

2A

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 12, T-30N, R-5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

N.M.

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

Schalk Development Company

3. ADDRESS OF OPERATOR

P. O. Box 25825, Albuquerque, N.M. 87125

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

C 986' FNL; 1660' FWL; Sec. 12, T-30N, R-5W;
Rio Arriba County, New Mexico

At proposed prod. zone

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

50 miles East of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

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

986'

16. NO. OF ACRES IN LEASE

200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

268.63

18. DISTANCE FROM PROPOSED LOCATION*

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

200'

19. PROPOSED DEPTH

6010'

20. ROTARY OR CABLE TOOLS

Rotary

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

6589' GR

22. APPROX. DATE WORK WILL START*

10-01-80

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	6-5/8"	24#	300'	300 sacks
8-5/8"	4-1/2"	10.5#	6010'	450 sacks

FORMATION TOPS

Ojo Alamo	2810'
Kirtland	2908'
Pictured Cliffs	3390'
Lewis	3448'
Cliff House	5574'
Menefee	5622'
Point Lookout	5808'
Mancos	5900'

Estimated depths at which
anticipated water, oil, gas or other
minerals are expected to be encountered

3390'

Blow-out Preventer: Schaffer, Double-
Gate, Hydraulic, 900 Series.

Tested open surface casing set.

No anticipated abnormal pressures
are expected.

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.

SIGNATURE

TITLE

DATE

9-5-80

(This space for Federal or State Office Use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

DISTRICT ENGINEER

*See Instructions On Reverse Side

NWA
3-535 Hold 0-104 for
oper name change

SCHALK DEVELOPMENT CO.		SCHALK 57		Well No. 2-A	
Oil Letter C	Section 12	Township 30 NORTH	Range 5 WEST	County RIO ARriba	
1661 Feet, Elevation of Well:					
986	Feet from the	NORTH	Line and	1660	Feet from the WEST
6589	Producing Formation	Blanco Mesa Verde		Indicated Reserves 268.63 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or barline 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 communitization

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 communization, 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.

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

John E. Schalk
Managing Partner

Date Surveyed
August 26, 1980

Registered Professional Engineer
and/or Land Surveyor

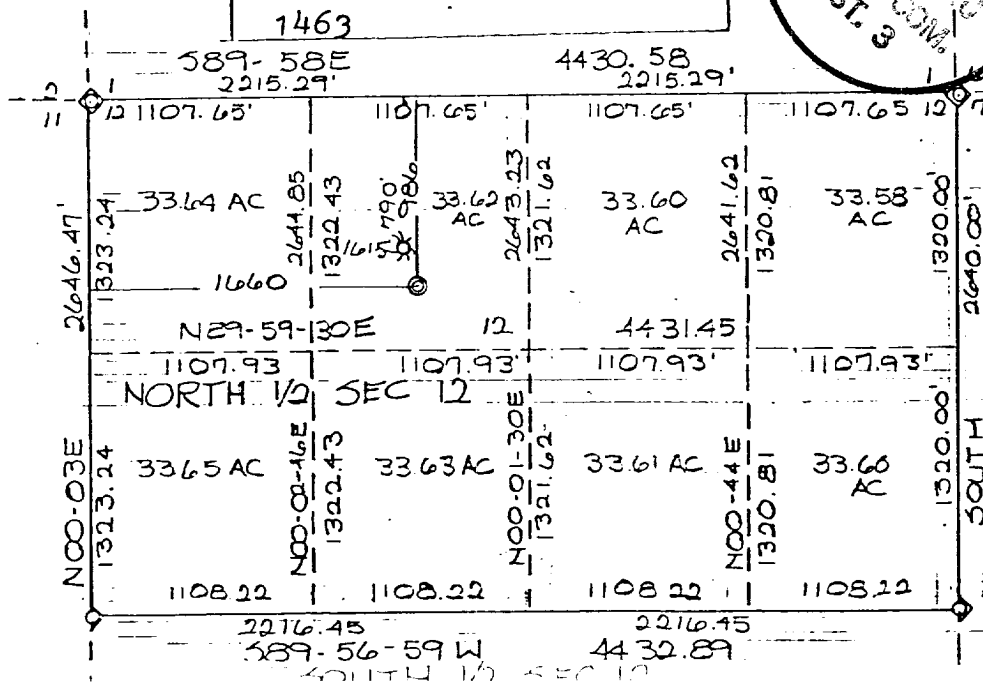
Schalk Development Co

JAMES P. LEESE

Date 10-29-80

Certificate No.

1463



MULTI-POINT SURFACE USE AND OPERATIONS PLAN


- 1) Existing Roads: Road departs from Highway 64. From the West edge of Section 2, road goes through Section into Section 1. Road then turns South, crossing Section line into Section 12. Road turns East past proposed location.
- 2) Planned access roads: None.
- 3) Location of existing wells: See attached map.
- 4) Location and type of water supply: Water will be taken from Navajo Lake and transported to location by truck.
- 5) Source of construction materials: None.
- 6) Methods of handling waste disposal: Cuttings to be disposed of in a reserve pit; a burn pit to be used for disposal of trash, garbage, etc.; and covered on clean-up of location.
- 7) Ancillary facilities: None.
- 8) Well site layout: Per attached drawing.
- 9) Restoration of Surface: Upon completion of drilling operations, the disturbed surface area will be restored as near as practical to its original contours. If sufficient top soil is encountered, it will be stockpiled for restoration of surface. Restoration will be to the satisfaction of the U.S.G.S.
- 10) This location slopes at an increase of 12' per 400' to the South. There will be approximately an 18' to 20' cut on the South side of the proposed location. Vegetation is described in the attached archaeological report. The surrounding area is comparable and any disturbances to the wildlife will be only temporary. With the restoration of surface, surface damage will be minimal.
- 11). Lessee's or Operator's representatives: John E. Schalk, P. O. Box 25825, Albuquerque, New Mexico, 87125; Steve Schalk, 6200 Rio Hondo, NE, Albuquerque, New Mexico; or Joe D. Christesson, 2301 Southside River Road, Farmington, New Mexico, 87401.

CERTIFICATION

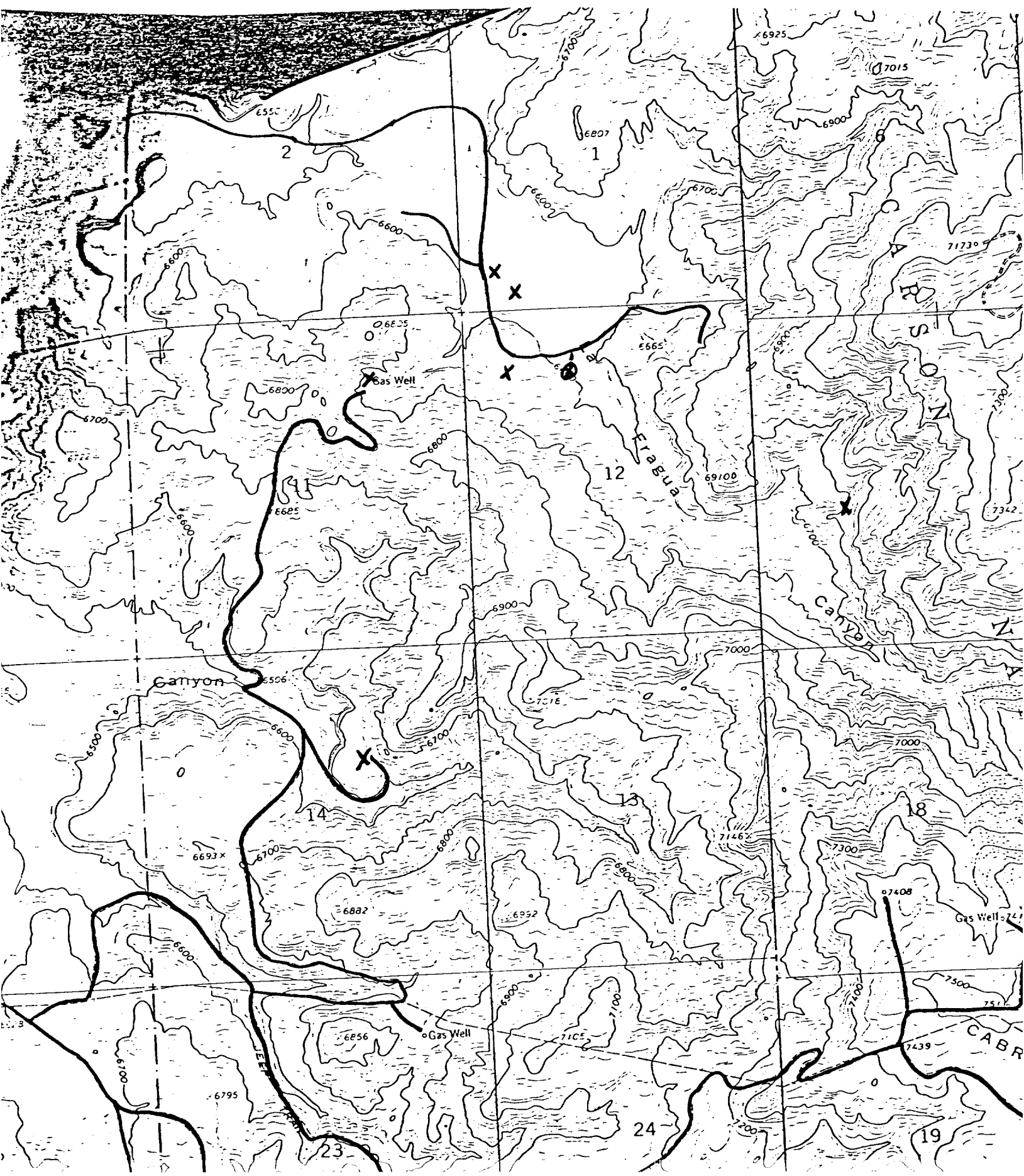
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Arapahoe Drilling Co. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

9-5-80

Date _____


John E. Schalk

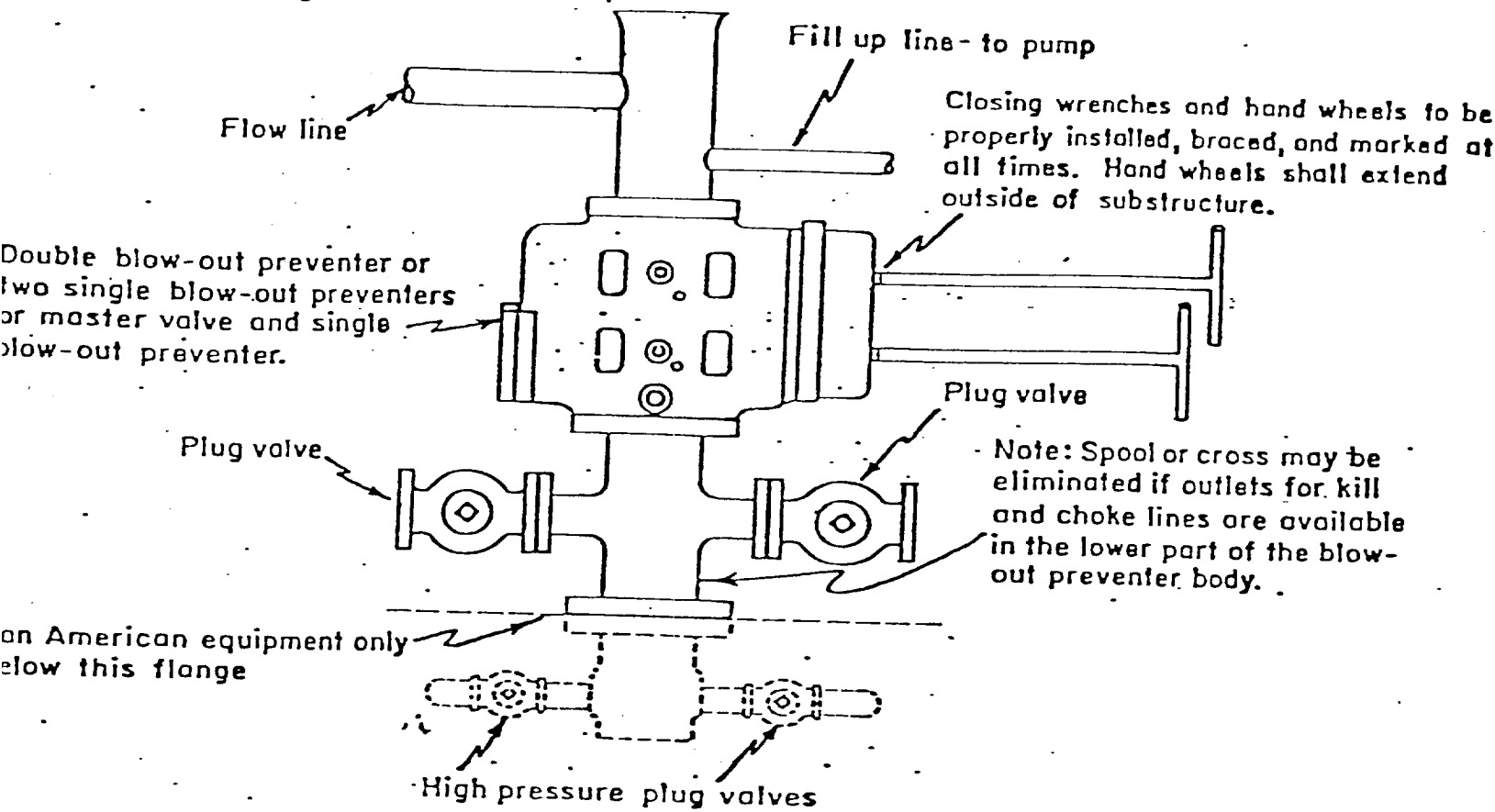
	Existing Roads
-----	Proposed Roads
X	Existing Wells
⊗	Proposed Location

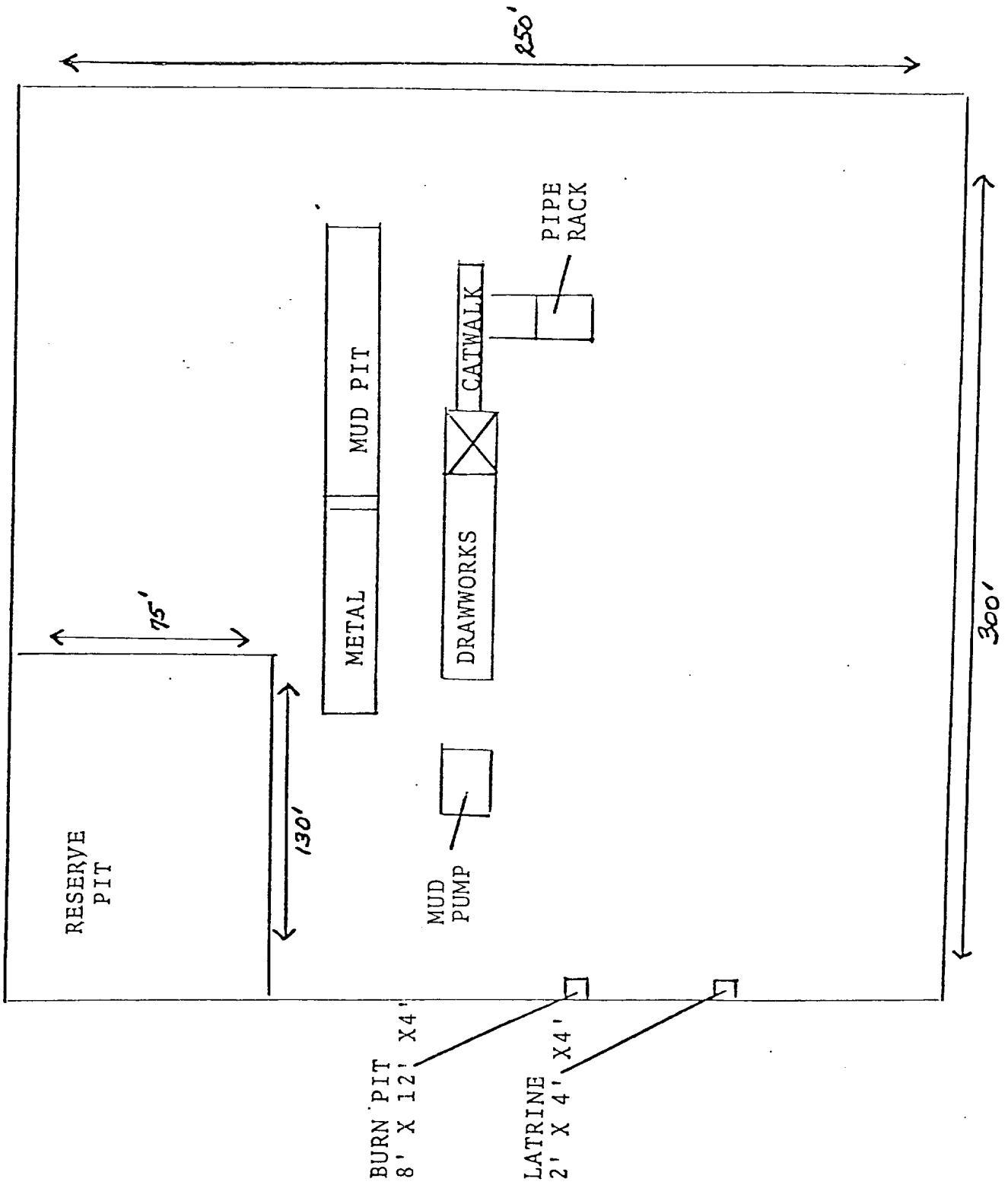


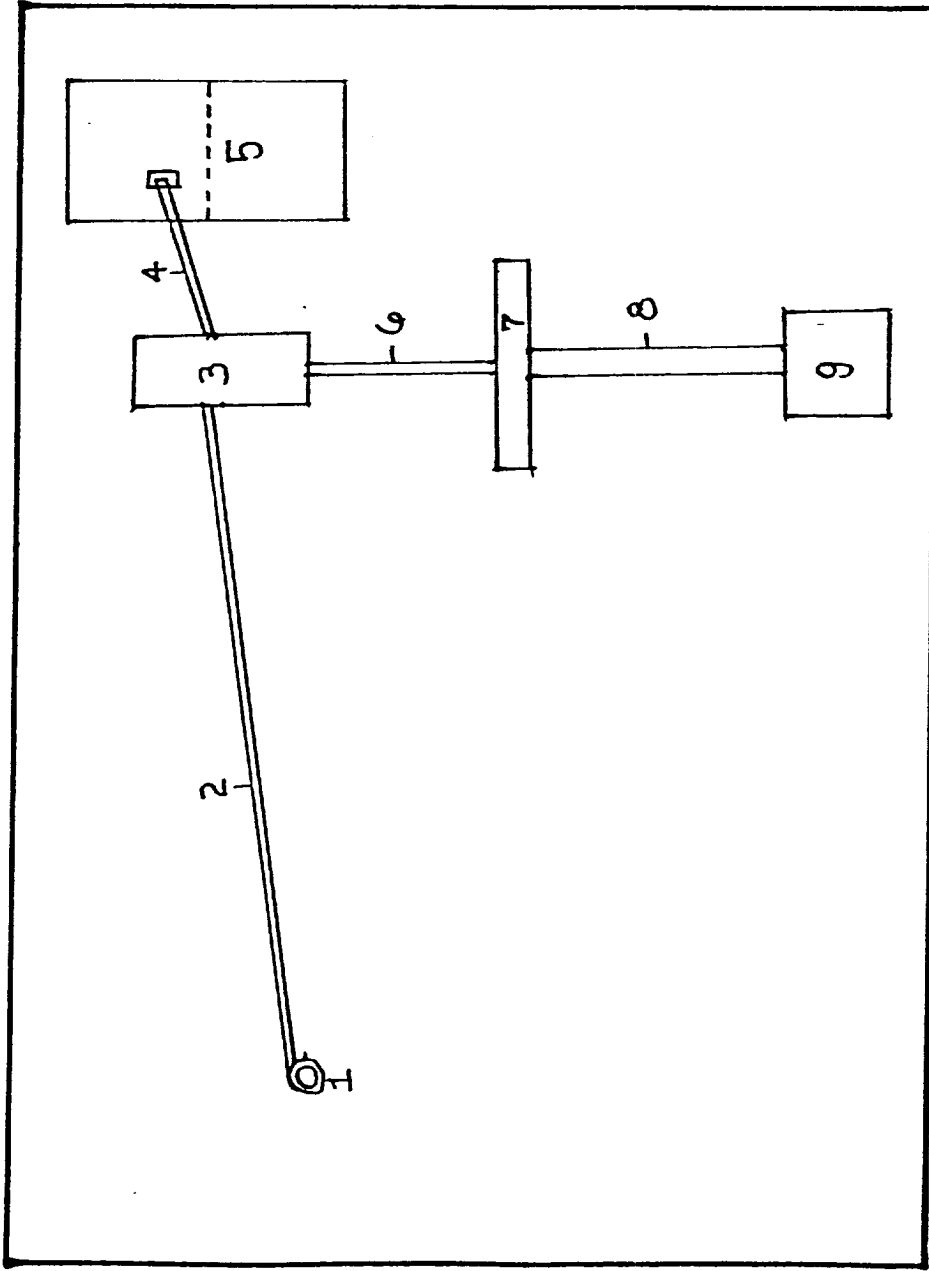
ARAPAHOE DRILLING CO.

BLOW-OUT PREVENTER HOOK-UP

Drilling nipple to be so constructed that it can be removed, without use of a welder, through rotary table opening







- 1) W-K-M Wellhead; 2" - 2000# valves throughout.
- 2) Fifty foot long, 2" underground line from the wellhead to the separator; rated to 4000#.
- 3) P & A, Inc. separator. Rated to handle 2000 MCF/day.
- 4) 2" above ground line to water pit.
- 5) Water pit; 10' x 10' x 4'.
- 6) 2" underground line from separator to dehydrator.
- 7) Northwest Pipeline's dehydrator.
- 8) 40 foot long, 4" meter run from dehydrator to meter house.
- 9) Northwest Pipeline's meter house.

United States Department of Agriculture
Forest ServiceSPECIAL USE
APPLICATION AND REPORT

Ref: FSM 2712

FOREST SERVICE USE ONLY	a. Record no. (1-2) 70	b. Region (3-4) --	c. Forest (5-6) --
	d. District (7-8) --	e. User number (9-12) ----	f. Kind of use (13-15) ---
	g. State (16-17) --	h. County (18-20) ---	k. Card No. (21) 1

PART I - APPLICATION (To be completed by applicant)

Application is hereby made for a permit to use National Forest land as indicated below:

1. Description of land: (Attach MAP or PLAT)

A one acre plot in the NW/4 of Section 12, Township 30 North,
Range 5 West. Lease No. NM 4457.

2. Purpose of use.

Construction and drilling the Schalk 57 Well No. 2A gas well
located 986' from the North Line, 1660' from the West Line,
Section 12, Township 30 North, Range 5 West, Rio Arriba County,
New Mexico.

3. Land Area applied for (For Rights-of-Way show length and width and convert to acres; for other uses show acres)

Length in: (Miles) or (Feet) × Width (Feet) = (Acres)

4. Improvements

a. Description

Improvements will consist of a one acre gas well location,
storage tanks, collection pits, and other paraphernalia neces-
sary for the drilling maintenance and production of natural
gas.

b. Plans attached ☐ Yes ☐ No. If "NO" show date plans will be furnished

c. Estimated cost

\$ 5,000.00

d. Construction will begin within

2

(Months)

e. Construction will be completed within

2

(Months)

Date of Application

9-9-80

Applicant's name and signature

SCHALK DEVELOPMENT COMPANY

Steve Schalk, Agent

Applicant's address

P. O. Box 25825
Albuquerque, New Mexico

87125

(ZIP Code)

(OVER)

2700-3 (7/71)

Report 80-SJC-311
Permit N.M. State National
Forest

An Archaeological Clearance Survey of
Four Proposed Well Locations
Conducted for Schalk Development Company

Submitted by
L. Jean Hooton
Cultural Resource Management
New Mexico State University
San Juan Campus

9 September 1980

An Archaeological Clearance Survey of
Four Proposed Well Locations
Conducted for Schalk Development Company

On 2 September 1980, L. Jean Hooton from the Cultural Resource Management Program, New Mexico State University, San Juan Campus, conducted an archaeological clearance survey of four proposed well locations for Schalk Development Company at the request of Mr. Johnny Ahlm from Arapahoe Drilling Company.

Present during the survey were Mr. Jack Evans from Arapahoe Drilling Company, Mr. John Keller from the U.S. Geological Survey - Farmington office, Mr. Henry Brill from the Carson National Forest, and Mr. Harold Maez from Northwest Pipeline Corporation.

The proposed well locations are on land administered by the U.S. Forest Service, Carson National Forest, Jicarilla Ranger District, and were surveyed under a New Mexico State National Forest Federal Antiquities permit.

The most recent listing of the National Register of Historic Places has been consulted and no sites which are on the Register and no sites which have been nominated to the Register occur in the project area. No sites which are eligible for nomination to the Register occur in the project area. This proposal complies with the provisions of the Historic Preservation Act of 1966 and with Executive Order 11593. It is recommended that archaeological clearance be given.

METHODOLOGY

The proposed well locations were surveyed by walking parallel transects, seventyfive feet apart, over the 300 by 300 foot easements.

Proposed Well: SCHALK DEVELOPMENT - SCHALK 57 #2A

Land Status: Carson National Forest.

Location: The proposed well location is in the SW $\frac{1}{4}$ of the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 12, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. The well will be 986 feet from the north line and 1660 feet from the west line of Section 12. (Figure 1)

U.T.M.: Center - 13; 2,93,890 mE; 40,78,475 mN.

Access: Existing.

Area Surveyed: 2.07 acres.

Terrain: Moderately eroded slope with northeasterly drainage, alluvial surface deposits, and sandstone outcrops.

Soil: Sandy clay loam.

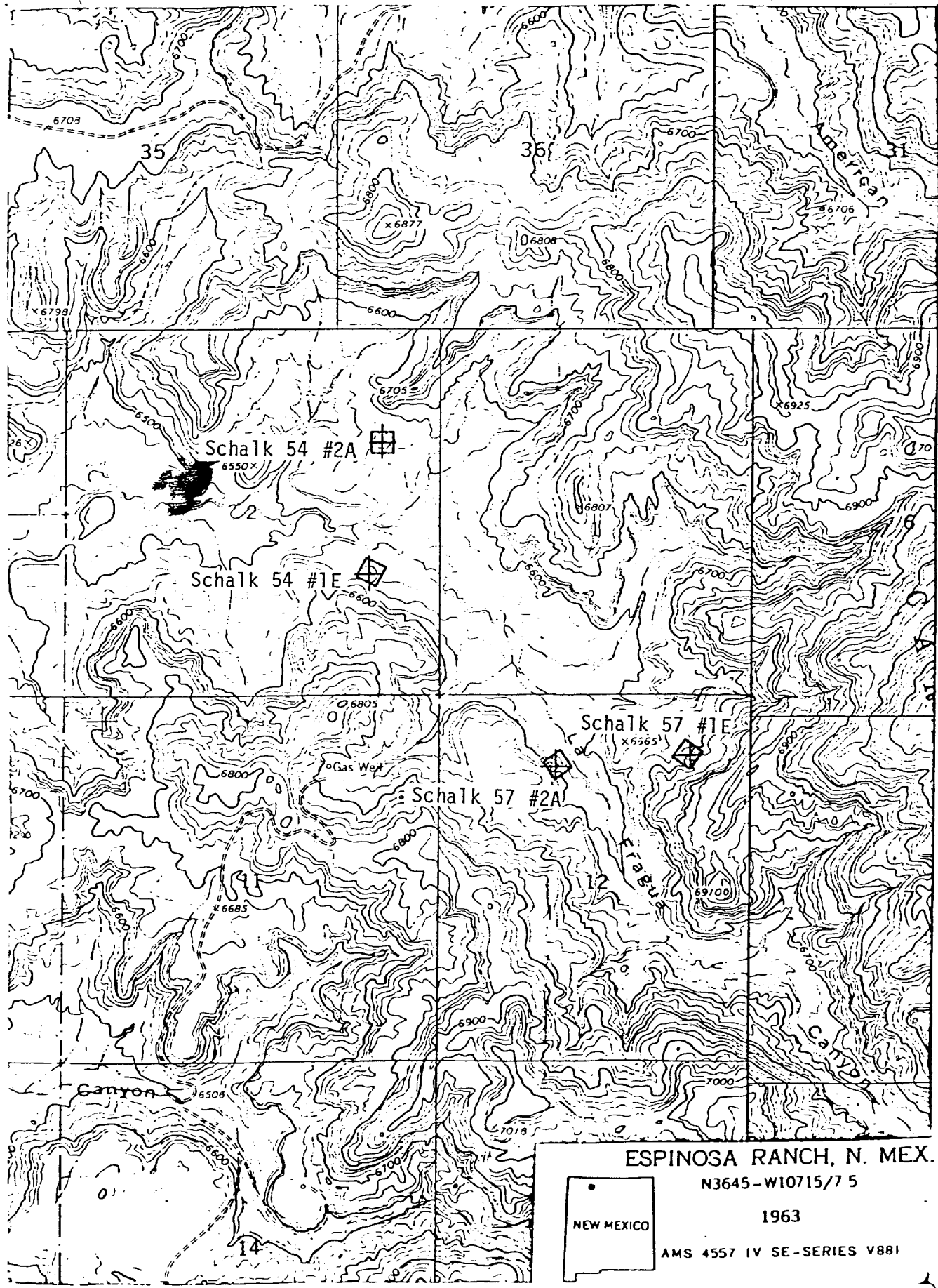
Vegetation: Piñon, juniper, scrub oak, sagebrush, snakeweed, serviceberry, mock orange, mountain mahogany, bitterbrush, scarlet gilia, prickly pear cactus, squirreltail, indian ricegrass.

Cultural Resources: None found.

Recommendations: Clearance recommended.

R 5W R 4W

T 31N
T 30N



ESPINOSA RANCH, N. MEX.

N3645-W10715/7 5

1963

AMS 4557 IV SE-SERIES V881



NEW MEXICO