

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_

DATE FILED **7-28-86**

LAND: FEE & PATENTED  STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. \_\_\_\_\_ INDIAN \_\_\_\_\_

DRILLING APPROVED: **8-14-86 - (Exception Location)**

SPUDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GOR: \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: **6754 G.P.**

DATE ABANDONED: **Application Rescinded 11-4-86**

FIELD: **WILDCAT**

UNIT: \_\_\_\_\_

COUNTY: **SUMMIT**

WELL NO. **U. P. RR 27-1** API #**43-043-30281**

LOCATION **829' FNL** FT. FROM (N) (S) LINE. **1204' FWL** FT. FROM (E) (W) LINE. **NW NW** 1/4 - 1/4 SEC. **27**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
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				<b>1N</b>	<b>5E</b>	<b>27</b>	<b>EXXON CORPORATION</b>
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**EXXON** COMPANY, U.S.A.

POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

PRODUCTION DEPARTMENT  
SOUTHWEST/ROCKY MOUNTAIN DIVISION

July 22, 1986

**RECEIVED**  
JUL 23 1986

**DIVISION OF  
OIL, GAS & MINING**

U. P. RR 27-1  
Sec. 27, T-1-N, R5E  
Summit Co., Utah  
Request for Exception to Rule 302

Division of Oil, Gas & Mining  
4241 State Office Bldg.  
Salt Lake City, Utah 84114

Gentlemen:

Attached is an application for Permit to Drill and plat for U. P. RR 27-1. The surface hole location is 829' FSL and 1204' FWL of Sec. 27, T-1-N, R5E, Summit County, Utah.

Due to topographic reasons, the surface hole location requires an exception to Rule 302.

Exxon controls all acreage within a 460' radius of the wellbore.

Please grant administrative approval to drill this well.

Sincerely,

*Melba Knipling*

Melba Knipling, Section Head  
NGPA and Permits

MK:cdc

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

4

5. Lease Designation and Serial No.

FEE

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

U.P. RR

9. Well No.

27-1

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 27, T-1-N, R-5-E

12. County or Parrish 13. State

Summit Utah

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

Exxon Corporation

3. Address of Operator

P. O. Box 1600, Midland, Texas 79702

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface

829' FNL and 1204' FWL of Section (NWNW)

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

2.5 miles SE from Wanship

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

829

16. No. of acres in lease

640

17. No. of acres assigned to this well

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.

N/A

19. Proposed depth

12,800'

20. Rotary or cable tools

Rotary

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

GR. 6754

22. Approx. date work will start\*

9-1-86

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
36"	30"	Line Pipe	80'	RediMix
17 1/2"	13 3/8"	61	2500	3500 ft3
12 1/4"	9 5/8"	43.5	10,900	5000 ft3
7 7/8"	5"	15.0	12,800	1000 ft3

Surface Owner: Wanship Livestock and Range Co.  
c/o Ren Wilde  
Coalville, Utah 84017  
(801) 336-5507

RECEIVED  
JUL 28 1986

DIVISION OF  
OIL, GAS & MINING

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

Melba Kripling

Title Section Head

Date 7-22-86

(This space for Federal or State office use)

Permit No. 43-043-30281

Approval Date APPROVED BY THE STATE

OF UTAH DIVISION OF  
OIL, GAS, AND MINING

Approved by

Title

Conditions of approval, if any:

DATE: 8-14-86

BY: [Signature]

\*See Instructions On Reverse Side

WELL SPACING: 3021

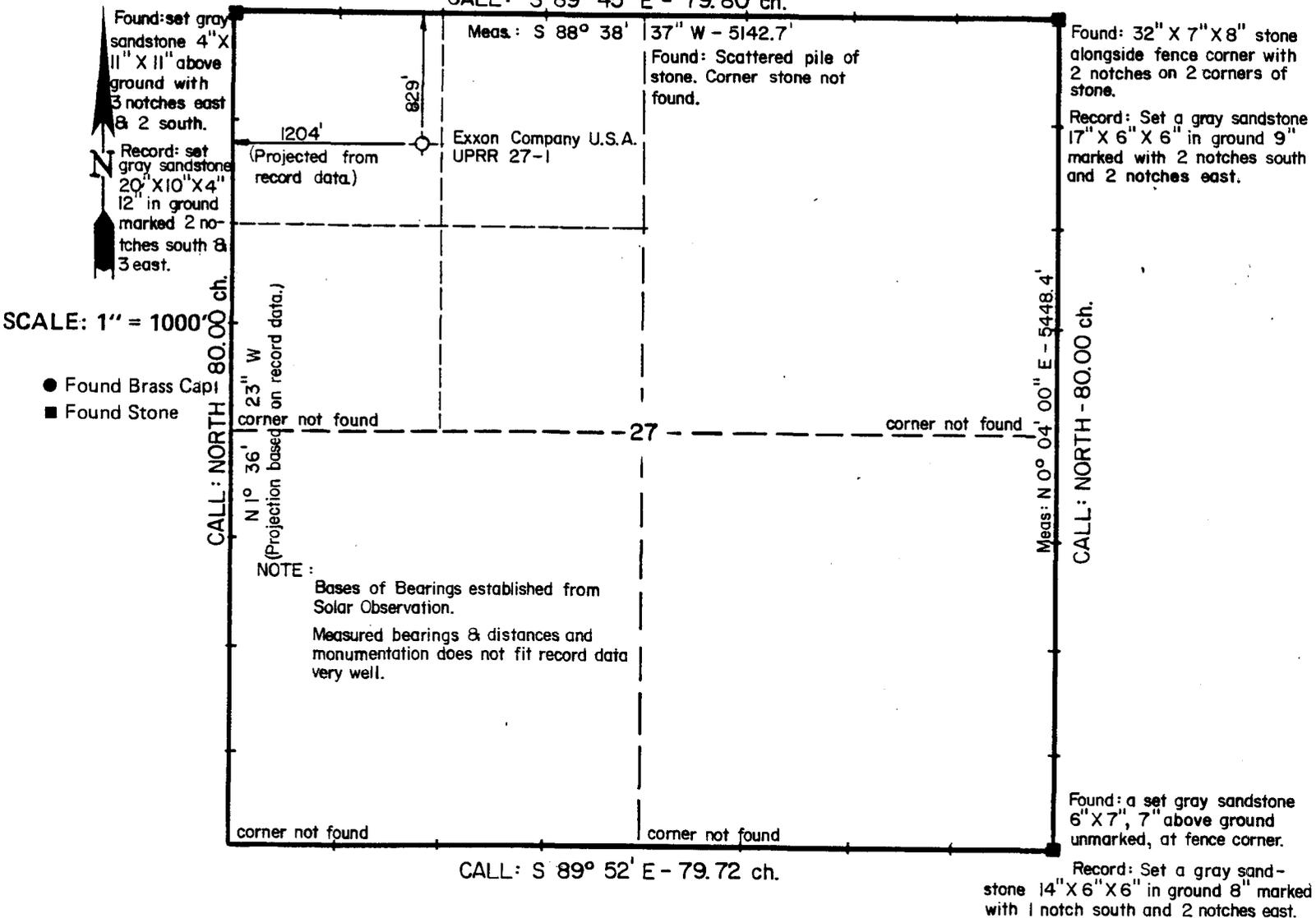
# WILLIAM H. SMITH & ASSOCIATES P.C.

## SURVEYING CONSULTANTS

POST OFFICE BOX 820  
GREEN RIVER, WYOMING 82935

T 1 N                      R 5 E

550 EAST 2 NORTH  
PHONE 307-875-3638



I, John I. Dolinar of Green River, Wyoming hereby certify that in accordance with a request from Tom Walsh of Denver, Colorado for Exxon Company U.S.A. made a survey on the 27 day of June 1986 for location and elevation of the Exxon Company U.S.A. UPRR 27-1 As shown on the above map, the wellsite is in the NW/4 of Section 27, Township 1 North, Range 5 East of the Salt Lake Base and Meridian Summit County, State of Utah Elevation is 6754 feet ungraded ground Datum based on spot elevation on 7 1/2' topo "Crandall Canyon, Utah", in NW/4 of Sec. 27, T1N, R5E, SLB & M.

Reference Point 300' NORTH, set 5/8" X 24" rebar and lath Elevation to top of rebar = 6784.0'

Reference Point 300' SOUTH, set 5/8" X 24" rebar and lath Elevation to top of rebar = 6754.1'

Reference Point EAST not practical

Reference Point WEST not practical

Job No. 86044.000  
Drawn By: MJW  
Revised: 7/7/86  
(measured distances added)

*John I. Dolinar*  
UTAH R.L.S. NO. 5909

REGISTERED  
WYOMING UTAH IDAHO  
NEVADA NEW MEXICO ARIZONA  
COLORADO

Exxon Corporation - UPRR No. 27-1  
 Section 27, T1N, R5W  
 Summit County, Utah  
 Eight Point Plan

1. The estimated tops of important geologic markers:

<u>Formation</u>	<u>Top</u>
K Kelvin	Surface
Fault/K Frontier	2,500'
K Kelvin	3,800'
J Stump-Preuss	8,220'
Salt	10,620'
J Twin Creek	10,700'
Tr Nugget	12,500'

2. The estimated depths at which the top and the bottom of anticipated water, oil, gas or other mineral-bearing formations are expected to be encountered:

Porous formations between surface and 2500' depth may contain fresh water. Possible gas bearing zones may be encountered below 2500' depth. Operator will use prudent drilling and completion practices to protect fresh water and mineral resources, including good well control practices, and good casing and cementing practices.

3. Minimum specifications for pressure control equipment:

See attached schematic. Operator will use well control equipment and operating practices that are designed to handle any problems that could reasonably be expected.

4. Proposed Casing Program:

<u>Casing</u>	<u>Estimated Depth</u>	<u>Size</u>	<u>Minimum Weight</u>	<u>Minimum Grade</u>	<u>Minimum Test Pres.</u>	<u>Cement Type</u>
Conductor	80'	30"	-----Line Pipe-----			Redi-Mix
Surface	2,500'	13-3/8"	61#	API-55	3000	Lite/Class H
Intermediate	10,900'	9-5/8"	43.5#	API-80	5000	Lite/Class H
Production	At or near TD	5"	15#	API-80	5000	Lite/Class H

Exact cement volumes and slurry type will be determined from logs, actual depth of hydrocarbons and water, hole caliper, etc. Fresh water, hydrocarbons, and other mineral resources will be adequately protected by cement and casing.

5. Drilling Fluid:

<u>Interval</u>	<u>Fluid Density Required For Hole Stability #/Gallon</u>	<u>Fluid Density Required For Formation Pressure #/Gallon</u>	<u>Type Fluid</u>	<u>pH</u>
Surface Hole	8.3-9.0	7.5	Water Base Mud	>9.5
Intermediate Hole	8.5-9.5	8.3	Water Base Mud	>9.5
Production Hole	9.0-10.0	8.3	Water Base Mud	>9.5

A sufficient inventory of mud materials and treating equipment will be maintained to control mud properties adequately for well control and drilling requirements.

6. Testing, Logging, Coring, Completion Program:

Cores: (None planned)

Drill Stem Tests: (As indicated by logs, shows, etc.)

Logging Program: DIL and Sonic from surface casing to TD.  
FDG-CNL from 10,700' to TD

Completion Program: Perforate, stimulate, and production test the interval(s) based on electric logs and shows.

7. Abnormal Conditions/Hazards Expected:

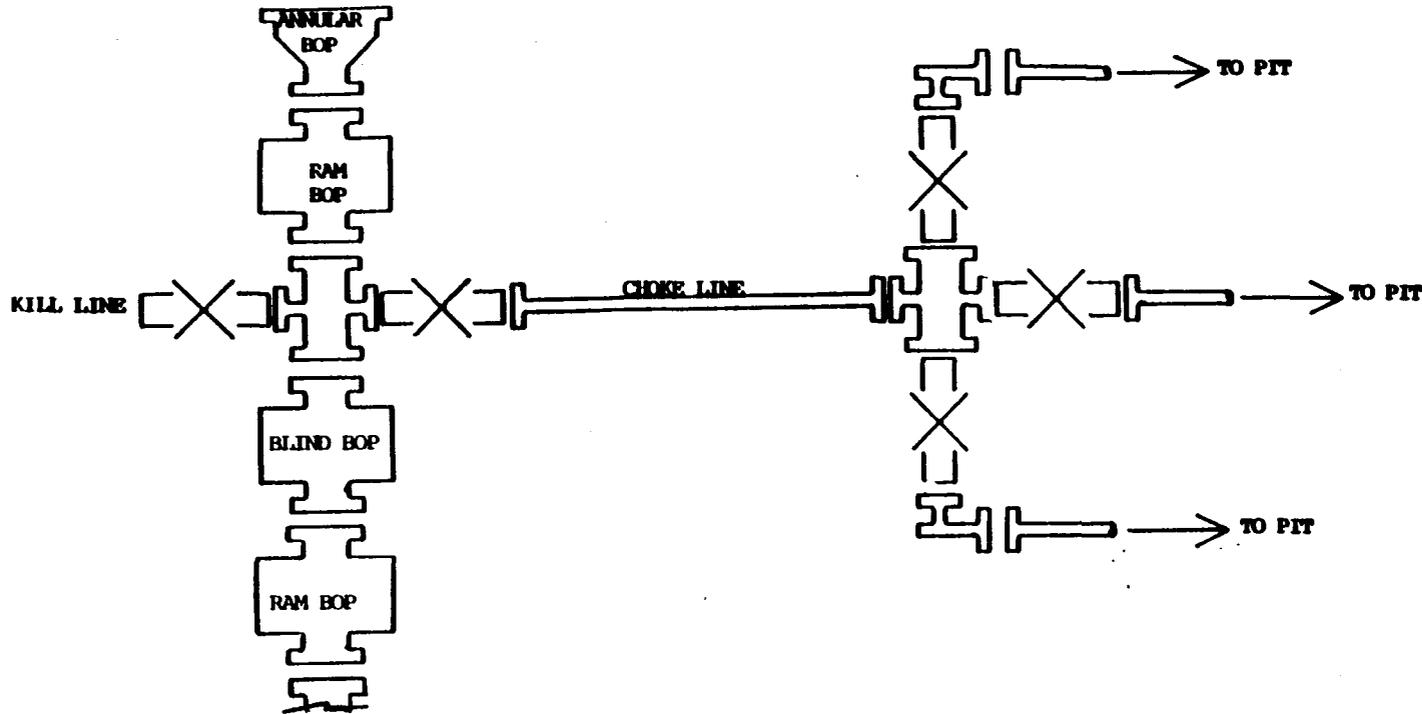
No abnormal pressures or conditions are expected. The bottom hole pressure at total depth is expected to be approximately 5500 psi.

H<sub>2</sub>S is not expected.

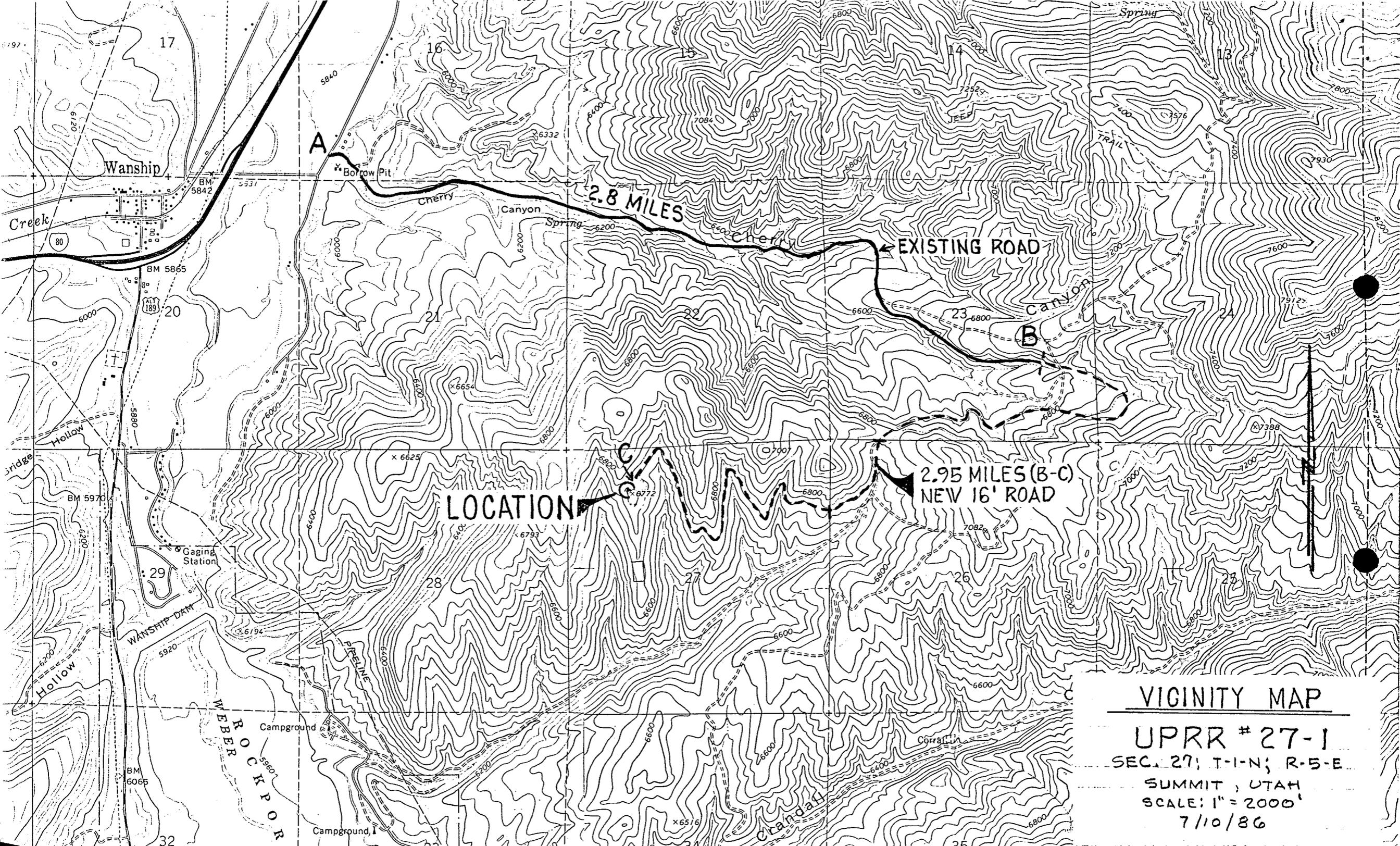
8. Other Considerations:

(None)

SCHEMATIC OF MINIMUM PRESSURE CONTROL EQUIPMENT



<u>Item</u>	<u>Minimum Size</u>	<u>Maximum WP</u>	<u>Description</u>	<u>Maximum Test Pressure</u>	<u>Maximum Test Interval</u>
Wellhead	API-11" Flanged	5000 psi	Flanged Top	5000 psi	30 Days
Ram BOP	API-11" Flanged	5000 psi	Hydraulically Operated	5000 psi	30 Days
Blind BOP	API-11" Flanged	5000 psi	Hydraulically Operated	5000 psi	30 Days
Annular BOP	API-11" Flanged	5000 psi	Hydraulically Operated	5000 psi	30 Days
Kill Line	2"-Flanged	5000 psi	Seamless Steel	5000 psi	30 Days
Choke Line	3"-Flanged	5000 psi	Seamless Steel	5000 psi	30 Days
Choke Manifold	2"-Flanged/Screwed	5000 psi	Standard Manual Chokes	5000 psi	30 Days
Accumulator	80 Gallon	N/A	Hydraulic Unit With Controls Located Both At the Unit And Near Rig Floor	N/A	N/A



Wanship

A

Borrow Pit

Cherry Canyon

2.8 MILES

EXISTING ROAD

B

LOCATION

2.95 MILES (B-C)  
NEW 16' ROAD

VICINITY MAP

UPRR # 27-1

SEC. 27; T-1-N; R-5-E

SUMMIT, UTAH

SCALE: 1" = 2000'

7/10/86



STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
DRILLING LOCATION ASSESSMENT

OPERATOR Exxon Company, U.S.A. WELL NAME U.P.R.R. 27-1  
LOCATION: COUNTY Summit SECTION 27 T 1N R 5E  
QTR/QTR NW NW 829' F N L & 1204' F W L  
SURFACE OWNERSHIP Wanship Livestock MINERAL LEASE # FEE

ASSESSMENT PARTICIPANTS: DATE 8 / 5 / 86  
Joe Glass Exxon Company  
Dean Geary Geary Construction (801) 336-5584  
Glenn Goodwin DOGM  
Carol Revelt DOGM

I. REGIONAL SETTING/TOPOGRAPHY

Utah thrust belt. Broad high peaks dissected by shallow or intermittent streams.

Major drainage is to the SW into Rockport Reservoir.

II. LAND USE

A. Current Surface Use:

Open rangeland.

B. Proposed Surface Disturbance:

2.95 miles of new 16' road (access to location from the NE), 425' x 220' (approx.) pad  
with a maximum cut of 30', and a 150' x 80' (approx.) reserve pit.

**C. Affected Floodplains and/or Wetlands:**

Location is 800' from two intermittent streams, 3500' from small stream south of location, and 1.5 miles from Rockport Reservoir.

**III. ENVIRONMENTAL PARAMETERS**

**A. Geology:**

**1. Surface Formation -**

Cretaceous Kelvin formation--interbedded sands and shales.

**2. Stability -**

Stable--location is on a point between two intermittent drainages.

**B. Soils:**

**1. Soil Characteristics -**

Thin layer of clay soil is a horizon of the surface formation--poor permeability.

**2. Erosion/Sedimentation -**

No current problems with erosion visible. Heavy rains could cause erosion of fill slopes.

**C. Water Resources:**

Location is centrally located between two south coursing intermittent streams and is 3500' from small stream which flows SW toward Rockport Reservoir. No apparent danger to groundwater.

**D. Flora/Fauna:**

Flora: sagebrush, rabbit brush, scrub oak, juniper trees, native grasses.

Fauna: deer, cows.

**E. Cultural Resources/Archeology:**

No survey to be conducted--no apparent danger to cultural resources or archaeological remains.

**F. Adequacy of Restoration Plans:**

Dry hole: recontour and reseed.

Producer: fill in pit and clean up location.

**IV. RESERVE PIT**

**A. Characteristics:**

20,000 bbls. pit. Approx 150' x 80' x 10'. Pit located on cut material.

**B. Lining:**

Will determine after digging pit--most likely not due to high clay content of soil.

**V. OTHER OBSERVATIONS**

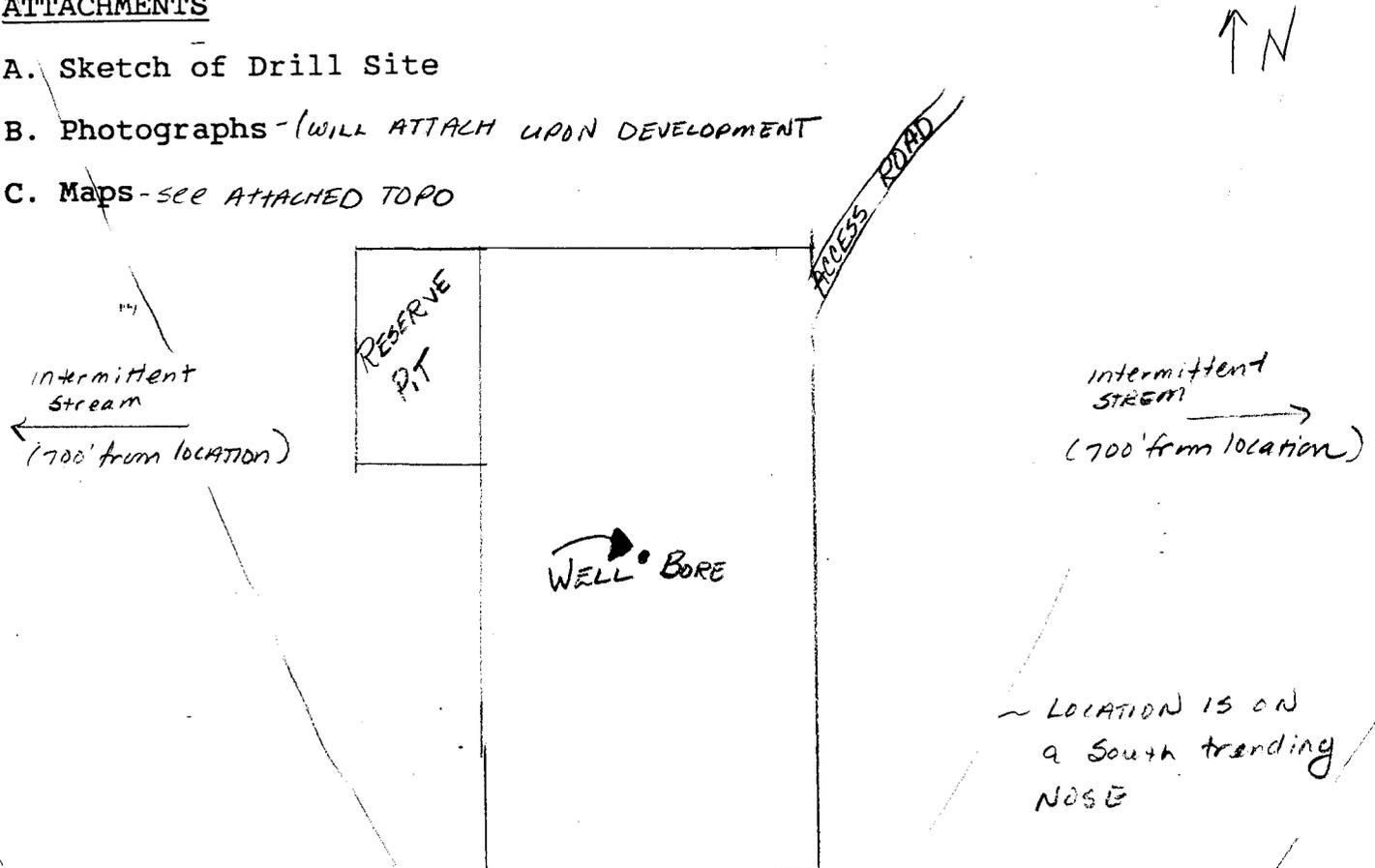
Rugged terrain necessitates topographic exception.

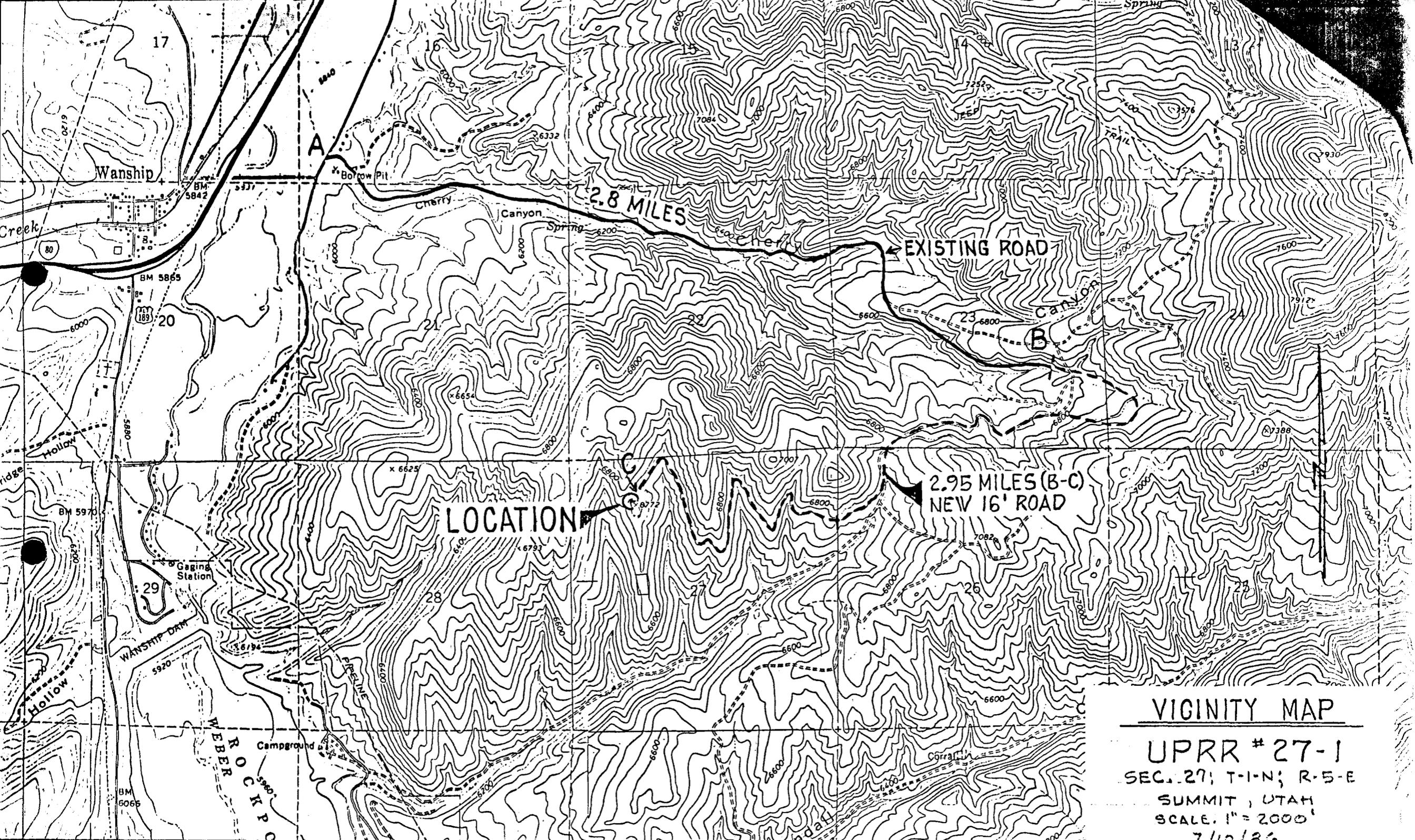
VI. STIPULATIONS FOR APD APPROVAL:

1. Line pit if clay not present.
2. Grant topographic exception due to rugged terrain (Exxon controls all acreage within 460' radius of wellbore.).

VII. ATTACHMENTS

- A. Sketch of Drill Site
- B. Photographs - (WILL ATTACH UPON DEVELOPMENT)
- C. Maps - SEE ATTACHED TOPO





Wanship

A

2.8 MILES

EXISTING ROAD

B

LOCATION

2.95 MILES (B-C)  
NEW 16' ROAD

VICINITY MAP

UPRR # 27-1

SEC. 27; T-1-N; R-5-E

SUMMIT, UTAH

SCALE. 1" = 2000'

7/10/25

081902

OPERATOR Eaton Co. DATE 8-12-86  
WELL NAME U.P. RR 27-1  
SEC NW NW 27 T 1N R 5E COUNTY Summit

43-043-30281  
API NUMBER

See  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in Sec 27.

Exception requested

Need water permit

APPROVAL LETTER:

SPACING:

203

UNIT

302

CAUSE NO. & DATE

302.1

STIPULATIONS:

1- water

2- If abnormal conditions are encountered (high pressures, salt section, etc.), the proposed casing program shall be modified accordingly and the Division shall receive notice of and approve such change.

3- The Division shall be notified upon excavation of reserve pit to determine the need for pit lining. 3 prior to placing fluids in pit



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

155 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 14, 1986

Exxon Corporation  
P. O. Box 1600  
Midland, Texas 79702

Gentlemen:

Re: Well Name: U. P. RR 27-1 - NW NW Sec. 27, T. 1N, R. 5E  
829' FNL, 1204' FWL - Summit County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302.1, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.
2. If abnormal conditions are encountered (high pressures, salt section, etc.), the proposed casing program shall be modified accordingly and the Division shall receive notice of and approve such change.
3. The Division shall be notified upon excavation of reserve pit and prior to placing fluids in the pit to determine the need for pit lining.

In addition, the following actions are necessary to fully comply with this approval:

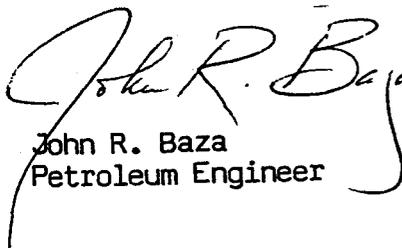
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2  
Exxon Corporation  
Well Name: U. P. RR 27-1  
August 14, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-043-30281.

Sincerely,



John R. Baza  
Petroleum Engineer

as  
Enclosures  
cc: Branch of Fluid Minerals  
D. R. Nielson

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/> Drill		5. LEASE DESIGNATION AND SERIAL NO.
<b>2. NAME OF OPERATOR</b> Exxon Corporation Attn: Janet L. Schaumburg		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
<b>3. ADDRESS OF OPERATOR</b> P. O. Box 1600, Midland, TX 79702		7. UNIT AGREEMENT NAME
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  829' FNL and 1204' FWL of Sec. 27 (NWNW)		8. FARM OR LEASE NAME U.P. RR
<b>14. PERMIT NO.</b> 43-043-30281		9. WELL NO. 27-1
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) GR-6754		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27, T1N, R5E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) <input type="checkbox"/> Cancel Permit to Drill	<input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Application for permit to drill subject well was approved on 8-14-86.  
Exxon does not plan to drill the well. Please cancel the permit.

**RECEIVED**  
OCT 27 1986

DIVISION OF  
OIL, GAS & MINING

**18. I hereby certify that the foregoing is true and correct**

SIGNED Janet L. Schaumburg TITLE Permits Supervisor DATE 10-23-86  
Janet L. Schaumburg

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

110408

November 4, 1986

Exxon Corporation  
P.O. Box 1600  
Midland, Texas 79702

Gentlemen:

RE: Well No. U.P.R.R. #27-1, Sec.27, T.1N, R.5E, Summit County, Utah  
API NO. 43-043-30281

Per your request, approval to drill the subject well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

A handwritten signature in cursive script, appearing to read "John R. Baza".

John R. Baza  
Petroleum Engineer

sh  
cc: D. R. Nielson  
R. J. Firth  
✓ Well file  
0327T-19