



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

1-14
✓

BRUCE KING
GOVERNOR
LARRY KEHGE
SECRETARY

December 17, 1979

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Northwest Pipeline Corporation
P. O. Box 90
Farmington, New Mexico 87401

Attention: W. J. Billman

Administrative Order NSL-1109

Gentlemen:

Reference is made to your application for a non-standard location for your San Juan 32-7 Unit Well No. 53 to be located 660 feet from the South line and 1070 feet from the East line of Section 4, Township 31 North, Range 7 West, NMPM, South Los Pinos Fruitland Pictured Cliffs Pool, San Juan County, New Mexico.

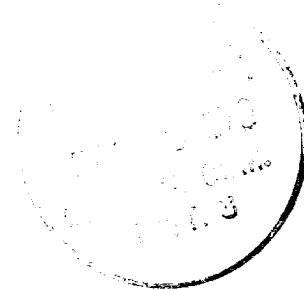
By authority granted me under the provisions of Rule 104 F, the above-described unorthodox location is hereby approved.

Sincerely,

JOE D. RAMEY,
Director

JDR/RLS/dr

cc: ✓ Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs
U. S. Geological Survey - Farmington



OIL CONSERVATION COMMISSION

Alto DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE November 13, 1979

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL X _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated October 23, 1979
for the Northwest Pipeline Corp., San Juan 32-72 Unit #53, P-4-31 N-7W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours very truly,

Frank S. Chang

Northwest Pipeline Corporation



PRODUCTION & DRILLING
P. O. BOX 90
FARMINGTON, NEW MEXICO 87401

5110.1-143-79

October 23, 1979

New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

ATT: Al Kendrick

Dear Mr. Kendrick:

Northwest Pipeline Corp. is requesting approval for an Unorthodox Location for the San Juan 32-7 Unit #53 well due to topography. The reason being the topography is such that rock cliffs limit the possible locations for a well site in this area.

Attached is a plat showing the ownership of all leases off setting the proration unit. Also, the operators of these leases have been notified by mail.

If you have any questions please call me at (505) 327-5351.

Sincerely,

M. Turnbaugh
M. Turnbaugh
Assoc. Drilling Engineer

MT/djb
Attachments



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | | |
|---|----------------|---|---------------|--------------------|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. SF 078996 | | |
| b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | | |
| 2. NAME OF OPERATOR Northwest Pipeline Corporation | | 7. UNIT AGREEMENT NAME San Juan 32-7 Unit | | |
| 3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, New Mexico 87401 | | 8. FARM OR LEASE NAME San Juan 32-7 | | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 1070' FEL At proposed prod. zone | | 9. WELL NO. #53 | | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* NA | | 10. FIELD AND POOL, OR WILDCAT South Los Pinios Fruitland Pictured Cliffs | | |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660' | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 4, T31N, R7W | | |
| 16. NO. OF ACRES IN LEASE NA | | 12. COUNTY OR PARISH 13. STATE San Juan New Mexico | | |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL 160 | | 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA | | |
| 19. PROPOSED DEPTH 3900' | | 20. ROTARY OR CABLE TOOLS Rotary | | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6660' GR | | 22. APPROX. DATE WORK WILL START* July 20, 1979 | | |
| 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# | 150' | 100' sks |
| 6-3/4" | 2-7/8" | 6.4# | 3900' | 210' sks |

Selectively perforate and stimulate the Pictured Cliffs formation.

A B.O.P. will be installed after the surface casing has been run and cemented.

All subsequent operations will be conducted through the BOP.

The SE/4 of Section 4, is dedicated to this well.

Gas is dedicated.

Unorthodox Location.

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 M. J. Turnbaugh TITLE Assoc. Drilling Engineer DATE 10/22/79
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

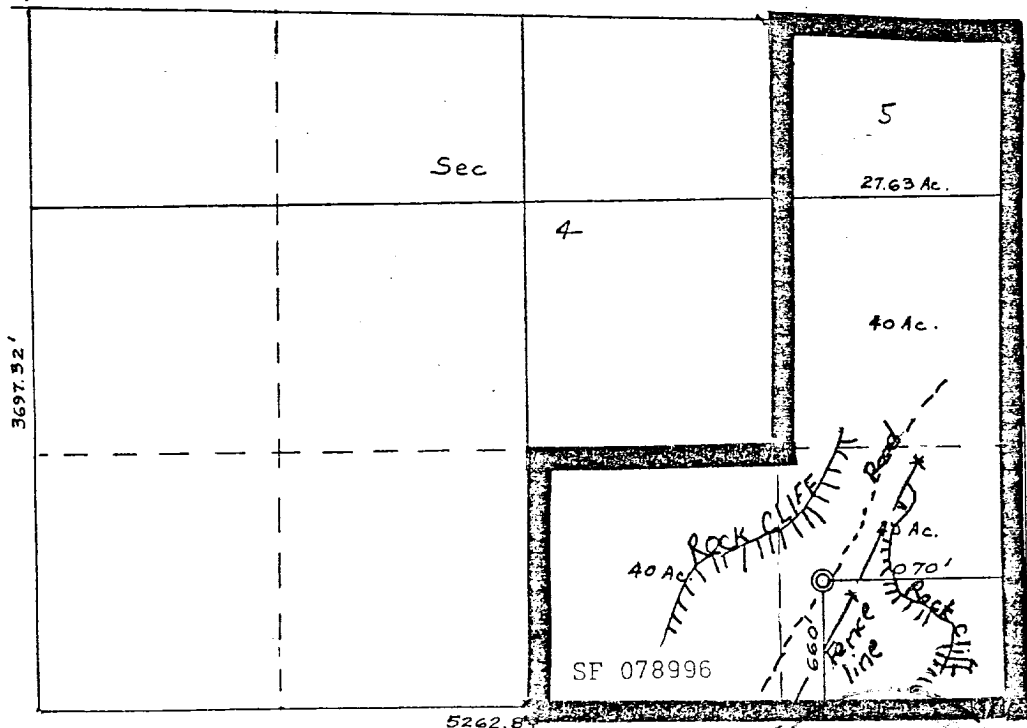
| | | | | | |
|---|--|--|-----------------------------|------------------------------------|----------------|
| Operator NORTHWEST PIPELINE CORPORATION | | | Lease SAN JUAN 32-7 UNIT | | Well No. 53 |
| Unit Letter P | Section 4 | Township 31N | Range 7W | County SAN JUAN | |
| Actual Footage Location of Well: 660 feet from the South line and 1070 feet from the East line | | | | | |
| Ground Level Elev: | Producing Formation Pictured Cliffs | Pool South Los Pinios Fruitland Pictured Cliffs | | Dedicated Acreage: 147.63 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 _____

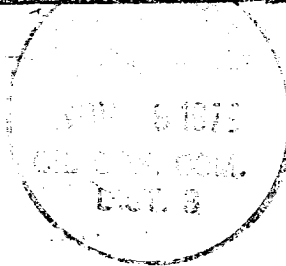
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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.



SCALE: 1"=1000'

DEDICATED ACREAGE: E/2 NE/4
E/2 SE/4
SW/4 SE/4



CERTIFICATION

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

William Billman
Name

W.J. Billman

Position
Drilling Engineer

Company
Northwest Pipeline Corp.

Date
July 20, 1979

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.

Date Surveyed
April 25, 1979
Registered Professional Engineer and Land Surveyor

Fred J. Keene Jr.
Fred J. Keene Jr.

Certificate No. 3950
J. KEENE, JR.

OPERATIONS PLAN

San Juan 32-7 Unit #53

June 4, 1979

I. LOCATION: SE/4 SE/4 Sec. 4, T31N, R7W

LEASE NUMBER: SF 078996

FIELD: South Los Pinios Fruitland Pictured Cliffs ELEVATION: 6660' GR

II. GEOLOGY:

| | |
|-------------------|--------|
| A. Formation Tops | Depth: |
| Ojo Alamo | 2315' |
| Kirtland | 2437' |
| Fruitland | 3154' |
| Pictured Cliffs | 3624' |
| Total Depth | 3900' |

B. Logging Program: IES & CNL-FDC

C. Coring Program: None

D. Testing Program: None

III. DRILLING:

A. Anticipated starting date and duration of activities: July 20, 1979, 2 weeks.

B. BOP: Blind rams and pipe rams, 10", 900 series, double gate, rated at 3000 PSI.

C. Mud Program:

- a) Spud Mud: Water, lime and gel.
- b) Surface to 3000'.

Viscosity: 25-30 sec/qt.

Weight: 8.9-9.0 #/gal.

Water Loss: 7-12 cc

Ph: 8.5-9.5

c) From 3000' to 3900'.

Viscosity: 38-60 sec/qt.

Weight: 9.0-9.5 #/gal.

Water Loss: 7-12 cc

Ph: 8.5-9.5

IV. MATERIALS:

A. Casing Program:

| <u>Hole Size</u> | <u>Depth O.H.</u> | <u>Casing Size</u> | <u>Wt. & Grade</u> | <u>Depth Set</u> |
|------------------|-------------------|--------------------|------------------------|------------------|
| 12 1/4" | 150' | 8 5/8" | 24# K-55 | 150' |
| 6 3/4" | 150'-3900' | 2 7/8" | 6.4# J-55 | T.D. |

V. CEMENTING:

- A. Surface Casing: 8 5/8" - Use 100 sx Class "B" cement with 1/4# flocele per sack and 3% Calcium Chloride (100% excess to circulate). WOC 12 hours. Test surface casing to 600 PSI for 30 minutes.
- B. Production Casing: 2 7/8" - Use 120 sacks 65/35 poz with 10% gel and 1/4 cu. ft. fine gilsonite per cu. ft. slurry and tail in with 50 sacks Class "B" cement with 2% Calcium Chloride. WOC 12 hours. Run temperature survey after 12 hours.

SGK/ ch

NORTHWEST PIPELINE CORPORATION

MULTI - POINT SURFACE USE PLAN

for the

San Juan 32-7 Unit

Well #53

1. Existing Roads: See attached topographic map. All existing roads used, shall be maintained in a serviceable condition at all times during the drilling operation.
2. Planned Access Roads: See attached topographic map. Maximum grade is approximately 1%. The road surface will not exceed twenty feet in width. Upon completion of drilling operations the access road will be adequately drained to control runoff and soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary. All activities will be confined to the access road and drill pad.
3. Location of Existing Wells: See attached topographic map.
4. Location of Tank Batteries; Production Facilities; and Production, Gathering and Service Lines: See attached topographic map for locations of existing and proposed gas gathering lines.
5. Location and Type of Water Supply: Water needed for the drilling operation will be hauled from the Pine River.
6. Source of Construction Materials: No additional materials will be needed.
7. Methods for Handling Waste Disposal: All garbage, debris, and trash will be buried at least three feet deep. A portable toilet will be supplied for human waste. After drilling operations have been completed the reserve pit will be fenced and the liquid portion will be allowed to evaporate before the location is cleaned up and leveled. The earthen pits will not be located on natural drainages and will be constructed in such a manner so that they will not leak. Any evaporator pit containing toxic liquids will be fenced.
8. Ancillary Facilities: There will be no camps or airstrips associated with the drilling of this well.
9. Well Site Layout: See attached location layout sheet. There will be a drainage ditch above the cut slope.
10. Plans for Restoration of the Surface: Upon completion of drilling, the location will be cleaned, and leveled so that no cut or fill banks will be steeper than 3:1.

All of the area disturbed in connection with the drill site will be seeded as close as possible for any above ground equipment while still allowing for access to the equipment. Seeding will be done within one year after drilling is completed and during the period from July 1 through September 15. Seeding will be done with seed Mixture #1.

All equipment above ground will be painted a non-glare, non-reflective, non-chalking color that simulates the natural color of the site. For this well code number 595-34127, green.

11. Other Information: If, during operations, any historic or prehistoric ruin, monument or site, or any object of antiquity is discovered, then work will be suspended and the discovery will be reported to the District Manager of the BLM.

All liquids from the line will be contained at the site unless otherwise specified by the surface agency's representative.

When drilling with gas, the line used to discharge and burn off the gas will be located so as not to damage vegetation in the area, and if necessary an earthen screen will be constructed to protect the vegetation. All liquids from the line will be contained at the site unless otherwise specified by the surface agency's representative.

The area covered by the location and proposed access road is gently sloped with scattered brush and some grasses.

12. Operator's Representative: S.G. Katirgis, P.O. Box 90 - Farmington, New Mexico 87401. Phone: 327-5351 Extension #107.

13. Certification:

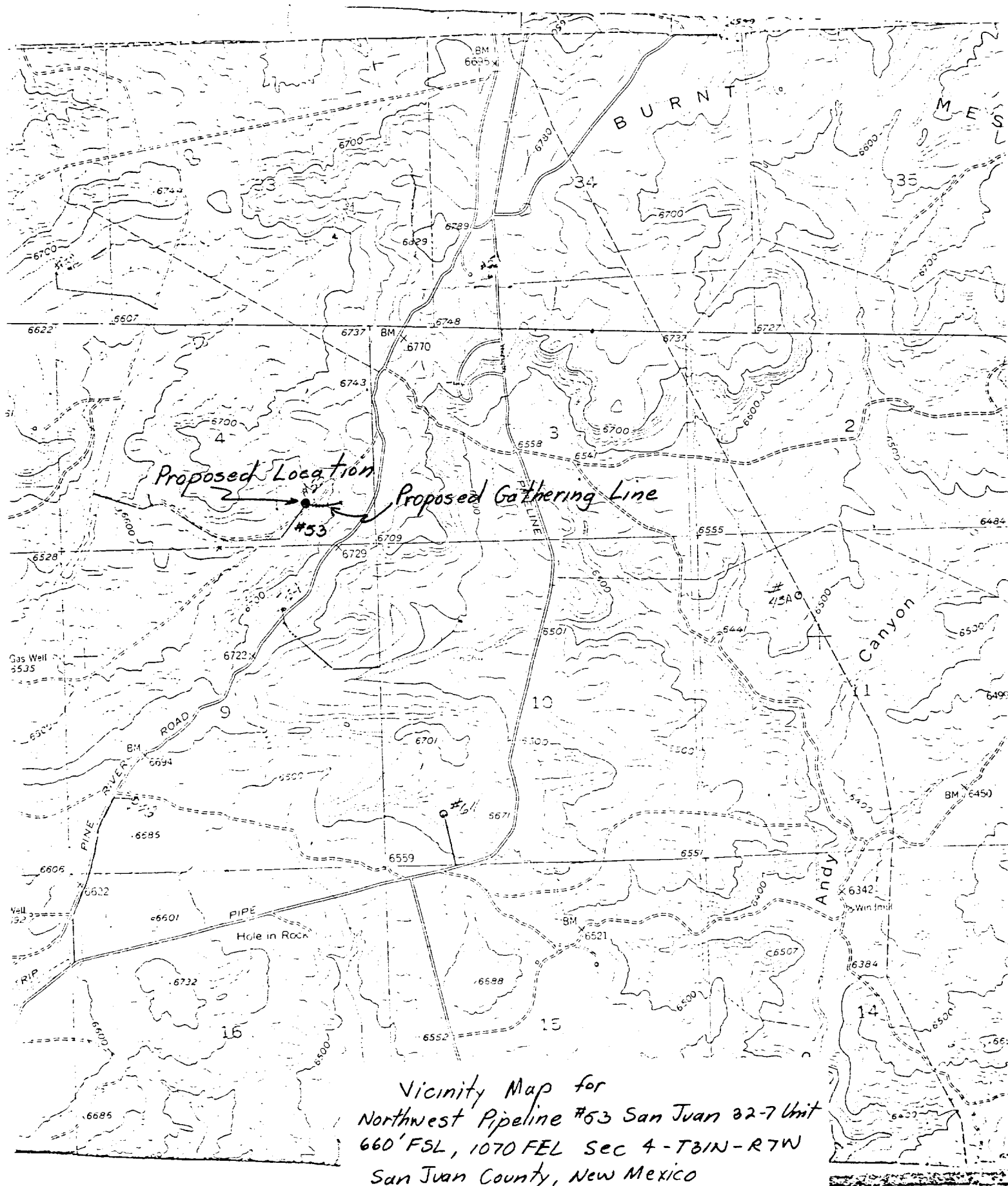
I hereby certify that I have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by Northwest Pipeline Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

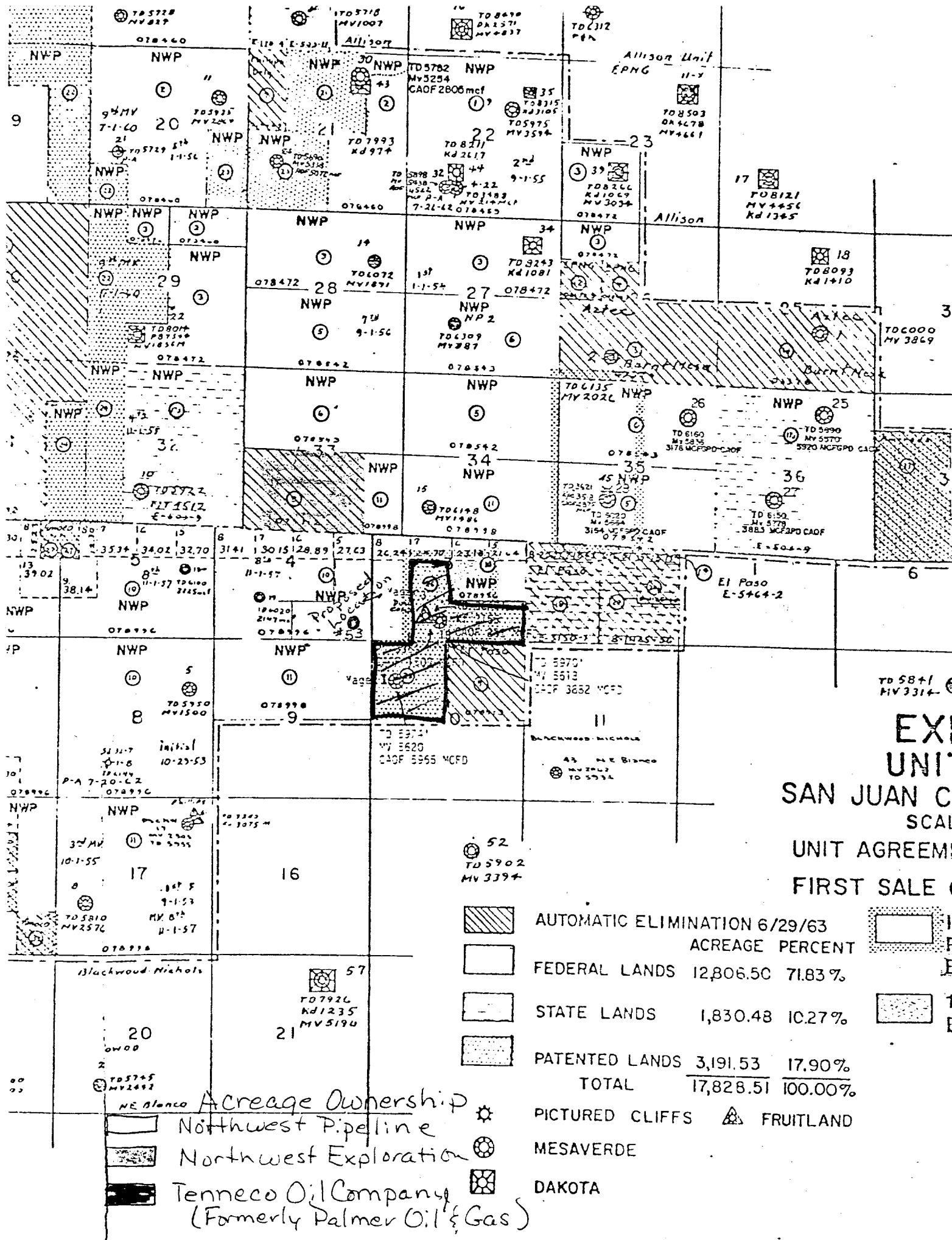
6-11-79

Date

S. Katirgis
S.G. Katirgis
Production Engineer

SGK/ch



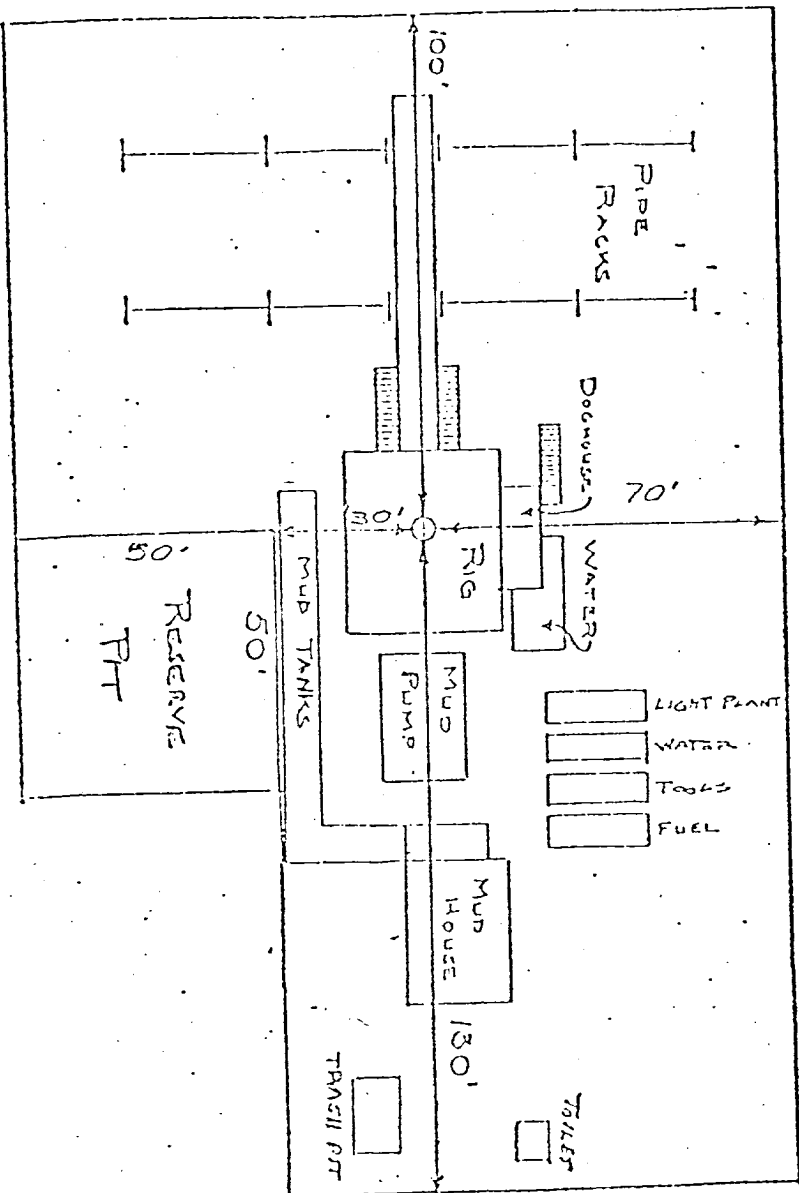


EXI
UNI
SAN JUAN C
SCAL
UNIT AGREEMENT
FIRST SALE

| | |
|-------------------------------|-------------------|
| AUTOMATIC ELIMINATION 6/29/63 | |
| ACREAGE PERCENT | |
| FEDERAL LANDS | 12,806.50 71.83% |
| STATE LANDS | 1,830.48 10.27% |
| PATENTED LANDS | 3,191.53 17.90% |
| TOTAL | 17,828.51 100.00% |

PICTURED CLIFFS
MESAVERDE
DAKOTA

NORTH WEST PIPELINE CORPORATION
 Location Layout
 San Juan 32-7 #53



DATE: 6-11-79

Scale: 1 cm = 20'