



If any additional information is needed, please contact me at the letterhead address or telephone (505) 599-3431.

Sincerely,



L.M. Sanders, Supervisor  
Regulatory Affairs

LMS/jgb

cc: Oil Conservation Division  
Aztec, N.M.

Northwest Pipeline Corporation  
Farmington, N.M.

Meridian Oil Inc.  
Farmington, N.M.

Submit to Appropriate District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)  
30-039-246-10

5. Indicate Type of Lease  
STATE  FEE

6. State Oil & Gas Lease No.  
E-289-45

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. Type of Work:  
DRILL  RE-ENTER  DEEPEN  PLUG BACK

b. Type of Well:  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
Northwest Pipeline Corporation

3. Address of Operator  
3539 East 30th St., Farmington, NM 87401

4. Well Location  
Unit Letter AB: 826 Feet From The North Line and 947 Feet From The East Line  
Section 36 Township 29N Range 6W NMPM Rio Arriba County

7. Lease Name or Unit Agreement Name  
San Juan 29-6 Unit

8. Well No.  
231

9. Pool name or Wildcat  
Basin Fruitland Coal Gas

10. Proposed Depth  
3375' (±)

11. Formation  
Fruitland

12. Rotary or C.T.  
Rotary

13. Elevations (Show whether DF, RT, GR, etc.)  
6438' (GL Unprepared)

14. Kind & Status Plug. Bond  
Blanket

15. Drilling Contractor  
Advise Later

16. Approx. Date Work will start  
Upon Approval

17. **PROPOSED CASING AND CEMENT PROGRAM** E/234.16

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	9-5/8"	36# K-55 ST&C	250'	150 Sxs	Circ to Surface
8 1/2"	7"	23# K-55 LT&C	3050'	380 Sxs	Circ to Surface
* 6-1/8"	5 1/2" Liner	15.5# or 23#	3400'		Top of Liner

\*If the coal is cleated a 5 1/2", 23#, P-110 liner will be run in the opened hole without being cemented.

\*If the coal is not cleated a 5 1/2", 15.5#, J-55 liner will be run, cemented w/85 Sxs and the well will be fractured.

**RECEIVED**  
16  
JAN 2 1990  
**OIL CON. DIV.**  
**DIST. 3**

Use mud additives as required for control.

BOP EQUIP: (See attached schematic - Fig. 7-9 or 7-10)

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Paul C Thompson TITLE Manager Prod. & Drlg. DATE 1-12-90  
TYPE OR PRINT NAME Paul Thompson TELEPHONE NO. 599-3400

(This space for State Use)

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE JAN 16 1990  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

SUPERVISOR DISTRICT #:

(Sanders)

Submit to Appropriate District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

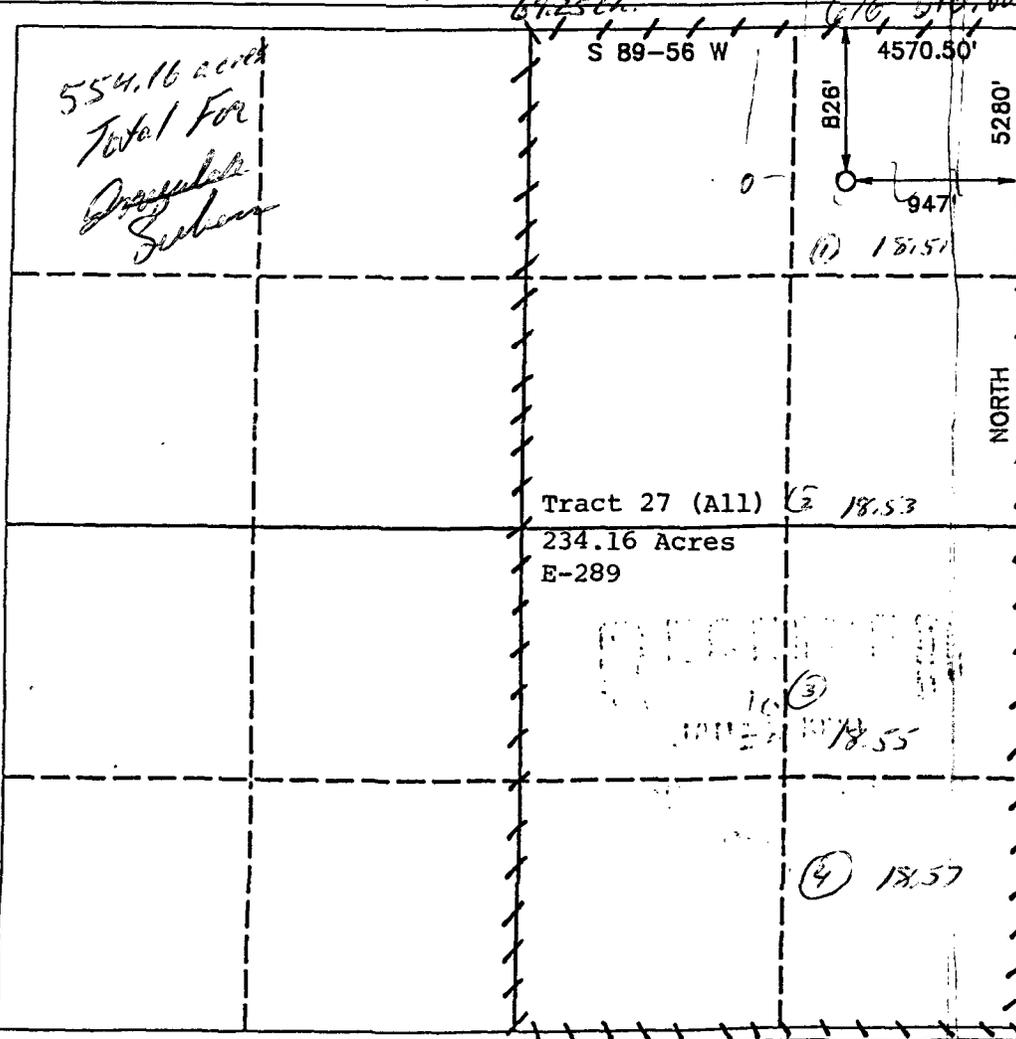
All Distances must be from the outer boundaries of the section

Operator <b>NORTHWEST PIPELINE CORP.</b>		Lease <b>SAN JUAN 29-6 UNIT</b>		Well No. <b>231</b>
Unit Letter <b>AB</b>	Section <b>36</b>	Township <b>T.29 N.</b>	Range <b>R.6 W.</b>	County <b>RIO ARRIBA COUNTY</b>
Actual Footage Location of Well: <b>826</b> feet from the <b>NORTH</b> line and <b>947</b> feet from the <b>EAST</b> line				
Ground Level Elev. <b>6438</b>	Producing Formation <b>Fruitland</b>	Pool <b>Basin Fruitland Coal Gas</b>	Dedicated Acreage: <b>234.16 Acres</b>	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



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

Signature: *Paul C. Thompson*  
 Printed Name: Paul Thompson  
 Position: Manager Prod. & Drlg.  
 Company: Northwest Pipeline Corp.  
 Date: 1-12-90

**SURVEYOR CERTIFICATION**  
 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.

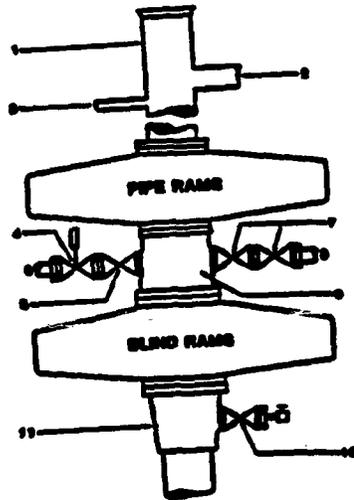
Date Surveyed: **DECEMBER 13, 1989**  
 Signature & Seal: *R. Howard Daggett*  
 Professional Surveyor  
 R. HOWARD DAGGETT  
 PROFESSIONAL LAND SURVEYOR

Certificate No. \_\_\_\_\_  
 Registered Professional Land Surveyor

69-2864

# FIELD PRACTICES AND STANDARDS

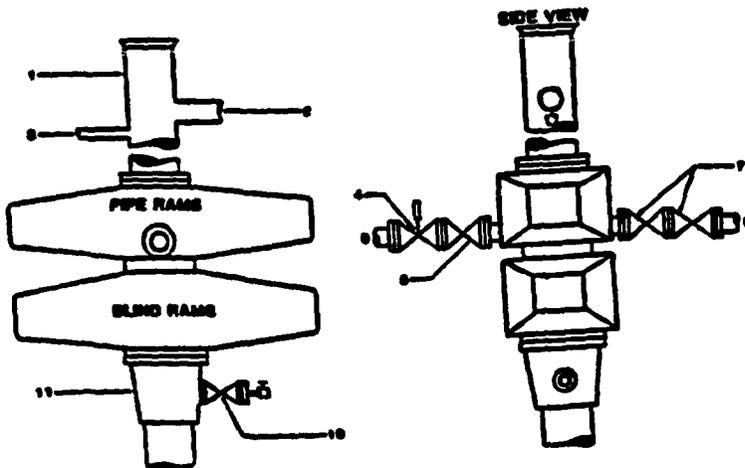
## ALTERNATIVE



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 2" FE PRESSURE OPERATED CHOKE LINE VALVE
5. 2" FE GATE VALVE
6. 2" FE CHOKE LINE TO MANIFOLD
7. 2" FE GATE VALVES
8. 2" FE KILL LINE
9. DRILLING SPOOL
10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

NOTE: THE DRILLING SPOOL MAY BE LOCATED BELOW BOTH SETS OF RAMS IF A DOUBLE PREVENTER IS USED AND IT DOES NOT HAVE SUITABLE OUTLETS BETWEEN RAMS

Figure 7-9. Standard Hydraulic Blowout Preventer Assembly  
3 M Working Pressure Alternative 1



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 2" FE PRESSURE-OPERATED CHOKE LINE VALVE
5. 2" FE GATE VALVE
6. 2" FE CHOKE LINE TO MANIFOLD
7. 2" FE GATE VALVES
8. 2" FE KILL LINE
10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

Figure 7-10. Standard Hydraulic Blowout Preventer Assembly  
3 M Working Pressure Alternative 3 (without Drilling Spool)

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-039-24610
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-289-45

**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" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
 OIL WELL  GAS WELL  OTHER

7. Lease Name or Unit Agreement Name  
San Juan 29-6 Unit

2. Name of Operator  
Phillips Petroleum Co.

8. Well No.  
231

3. Address of Operator  
300 W. Arrington, Suite 200, Farmington, N.M. 87401

9. Pool name or Wildcat  
Basin Fruitland Coal Gas

4. Well Location  
 Unit Letter AB: 826 Feet From The North Line and 947 Feet From The East Line  
 Section 36 Township 29N Range 6W NMPM Rio Arriba County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
6438' (GL Unprepared)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: Designation of Agent <u>Operator</u> <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.  
 Phillips Petroleum Company has been designated as agent, by Northwest Pipeline Corporation, with full authority to drill and operate Well No. 231.

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

SIGNATURE L. M. Sanders TITLE Supv. Regulatory Affairs DATE 2-15-90  
 TYPE OR PRINT NAME L. M. Sanders TELEPHONE NO. 599-3431

(This space for State Use)

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



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

RECEIVED

FRANK J. CARRUTHERS  
GOVERNOR

90 MAR 7 AM 8 56

1000 MID HAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-0170

Date: 3-6-90

Oil Conservation Division  
P.O. Box 2088  
Santa Fe, NM 87504-2088

Re: Proposed HC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed HSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen: NSP ~~X~~

I have examined the application dated 3-1-90

for the PHILLIPS PET. CO. S.T. 29-6 Unit # 231  
Operator Lease & Well No.

A-36-29N-6W and my recommendations are as follows:  
Unit, S-T-R

APPROVE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

Ernie Busch

MERIDIAN OIL

90 APR 16 AM 8 52

March 15, 1990

New Mexico Oil Conservation Division  
Attention: Mr. William J. Lemay  
Post Office Box 2088  
Santa Fe, New Mexico 87504

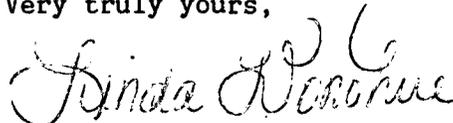
Re: Application for Non-Standard  
Proration Unit  
San Juan 29-6 Unit #231  
826' FNL, 947' FEL  
Section 36, T-29-N, R-6-W  
Rio Arriba County, New Mexico

Dear Mr. LeMay:

This is to advise that Meridian Oil, as an offset operator, does not object to the referenced location proposed by Phillips Petroleum, as Operator.

Please contact the undersigned at 505-326-9760 if there are any questions relating to this matter.

Very truly yours,



Linda Donohue  
Petroleum Landman

LD:gm  
Enclosure

Phillips Pet. Corresp.

cc: Phillips Petroleum Corp.  
Attention: L. M. Sanders  
300 W. Arrington, Suite 200  
Farmington, New Mexico

45+

P 565 391 817

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED

NOT FOR INTERNATIONAL MAIL

(See Reverse)

NSP 1596

DELIVERED TO THE ADDRESSEE  
RECEIVED

'90 FEB 29 AM 9 29

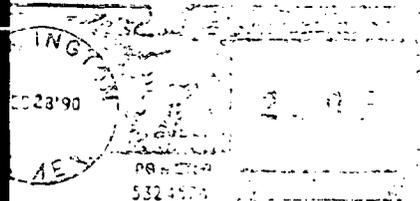
U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to		MERIDIAN Oil Inc.
Street and No.		3535 N. 30th St.
P.O., State and ZIP Code		Farmington, N.M.
Postage	\$	.45
Certified Fee		.85
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		.90
Return Receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees	\$	2.20
Postmark or Date		
2-28-90		

Fold at line over top of envelope to the right of the return address

HILLIPS PETROLEUM COMPANY  
100 W. ARRINGTON  
SUITE 200  
ARRINGTON, NEW MEXICO 87401



Meridian Oil, Inc.  
3535 E. 30th St.  
Farmington, N.M. 87401

P 565 391 818

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

NSP-1596

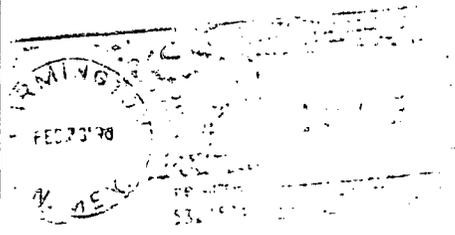
U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to	NW PL
Street and No.	3539 E. 30th Street
P.O., State and ZIP Code	Farmington, NM 87401
Postage	\$ .45
Certified Fee	.85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	.90
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 2.20
Postmark or Date	2-28-90

Fold at line over top of envelope to the right of the return address

PHILLIPS PETROLEUM COM  
300 W. ARRINGTON  
SUITE 200  
FARMINGTON, NEW MEXICO 87401



Northwest Pipeline Corporation  
3539 E. 30th St.  
Farmington, N.M. 87401