

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

DHC-5172 Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-039-23190
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. Federal – NMSF078995
7. Lease Name or Unit Agreement Name San Juan 31-6 Unit
8. Well Number 45
9. OGRID Number 372171
10. Pool name or Wildcat Blanco Mesaverde / Basin Dakota

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

2. Name of Operator
Hilcorp Energy Company

3. Address of Operator
382 Road 3100, Aztec NM 87410

4. Well Location
Unit Letter B: 1120 feet from the North line and 1850 feet from the East line
 Section 31 Township 31N Range 06W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6220' GR

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

<p>NOTICE OF INTENTION TO:</p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>DOWNHOLE COMMINGLE <input checked="" type="checkbox"/></p> <p>CLOSED-LOOP SYSTEM <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <p>REMEDIAL WORK <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/></p> <p>CASING/CEMENT JOB <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>	<p>PLUG AND ABANDON <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p> <p>MULTIPLE COMPL <input type="checkbox"/></p>	<p>ALTERING CASING <input type="checkbox"/></p> <p>P AND A <input type="checkbox"/></p>
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

It is intended to recomplete the subject well in the Blanco Mesaverde (pool 72319) and downhole commingle the existing Basin Dakota (pool 71599) with the Mesaverde. The production will be commingled per Oil Conservation Division Order Number 11363. See attached allocation methodology. Commingling will not reduce the value of the production. The Bureau of Land Management has been notified in writing of this application.

Proposed perforations are: MV - 4775' – 5803'; DK - 7620' - 7668' **These perforations are in TVD.**

As referenced in Order # R- 111188 interest owners were not re-notified.

- If the expected allocation changes, then the Operator shall submit a Form C-103 to the OCD Engineering Bureau with the amended allocation and all data used to determine it.
- No later than ninety (90) days after the fourth year, the Operator shall submit a Form C-103 to the OCD Engineering Bureau that includes the fixed percentage allocation plan and all data used to determine it.

Spud Date:

Rig Release Date:

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

SIGNATURE Amanda Walker TITLE Operations/Regulatory Technician Sr. DATE 5/3/2022

Type or print name Amanda Walker E-mail address: mwalker@hilcorp.com PHONE: 346-237-2177

For State Use Only

APPROVED BY: Dean R Mollure TITLE Petroleum Engineer DATE 06/02/2022

Conditions of Approval (if any):

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

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 811 S. First St., Artesia, NM 88210
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 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural
Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 August 1, 2011
 Permit 296436

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-039-23190	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 318839	5. Property Name SAN JUAN 31 6 UNIT	6. Well No. 045
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6220

10. Surface Location

UL - Lot B	Section 31	Township 31N	Range 06W	Lot Idn	Feet From 1120	N/S Line N	Feet From 1850	E/W Line E	County RIO ARRIBA
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00 E/2	13. Joint or Infill		14. Consolidation Code			15. Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

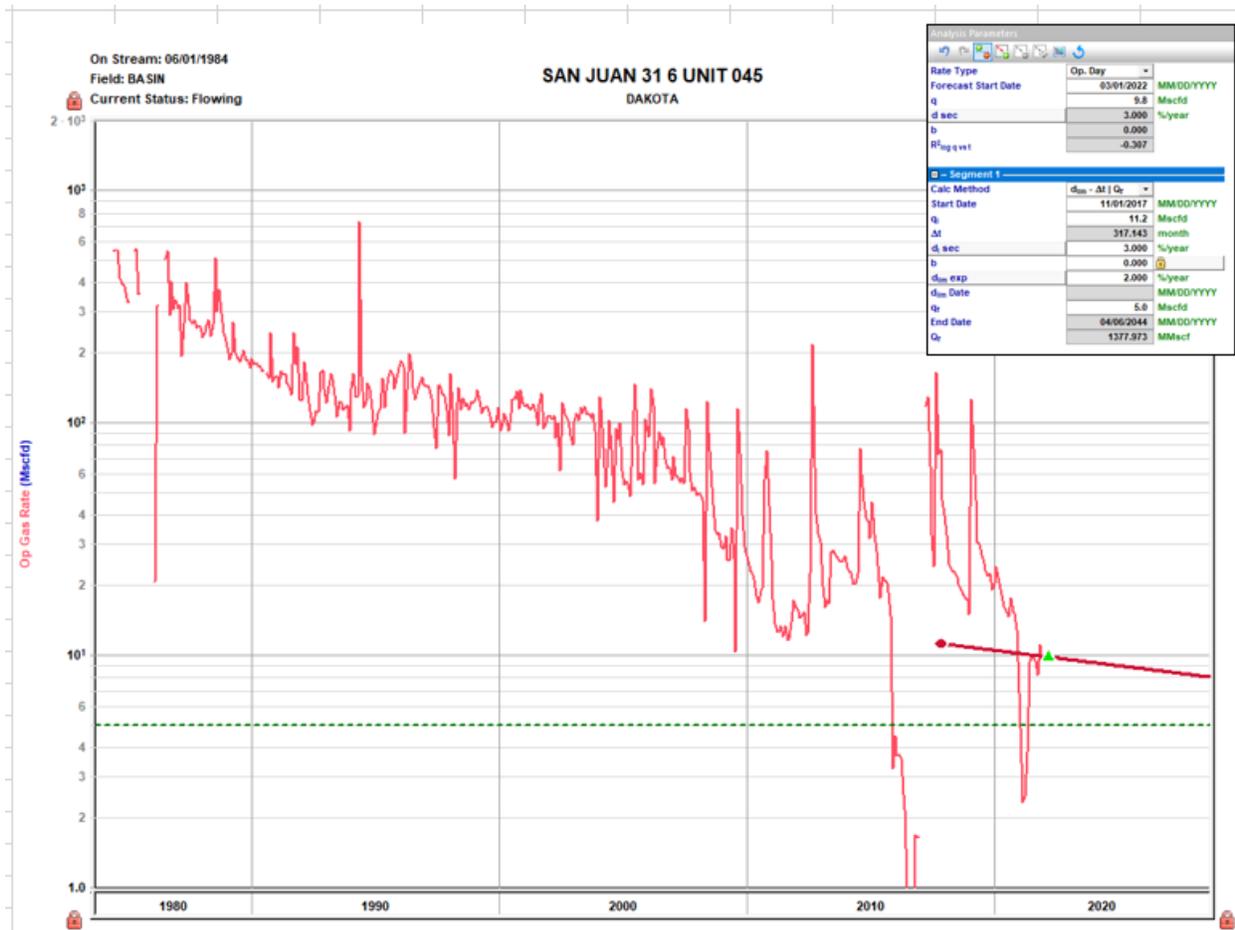
	<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By: Kandis Roland Title: Regulatory Tech Date: 5/20/2021</p>
	<p>SURVEYOR CERTIFICATION</p> <p><i>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 belief.</i></p> <p>Surveyed By: Fred B Kerr Jr. Date of Survey: 10/15/1982 Certificate Number: 3950</p>

Production Allocation Method - Subtraction

Gas Allocation:

Production for the downhole commingle will be allocated using the subtraction method in agreement with local agencies. The base formation is the Dakota and the added formation to be commingled is the Mesaverde. The subtraction method applies an average monthly production forecast to the base formation using historic production. All production from this well exceeding the forecast will be allocated to the new formation.

After 3 years production will stabilize. A production average will be gathered during the 4th year and will be utilized to create a fixed percentage based allocation.



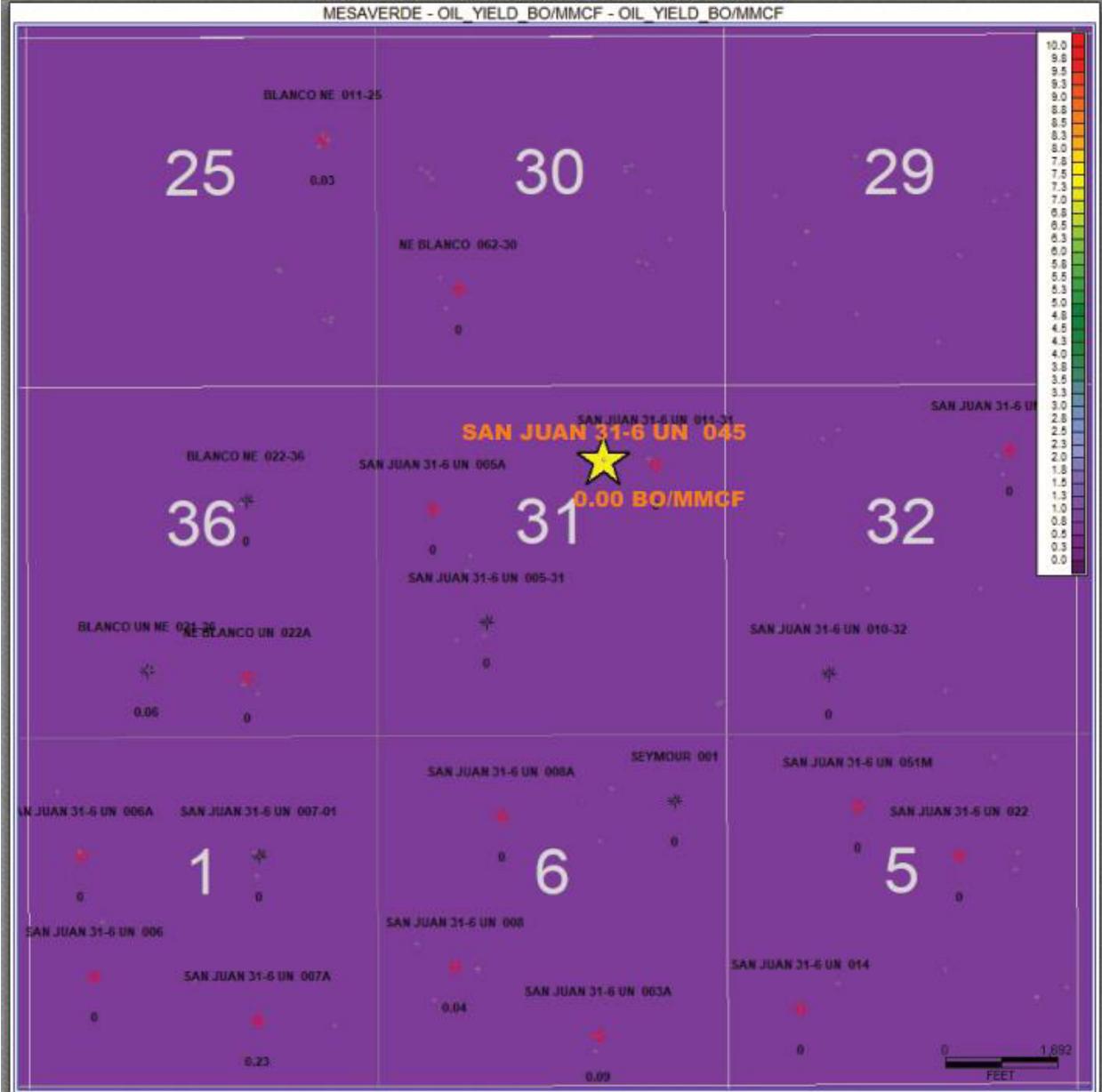
Oil Allocation:

Oil production will be allocated based on average formation yields from offset wells and will be a fixed rate for 4 years.

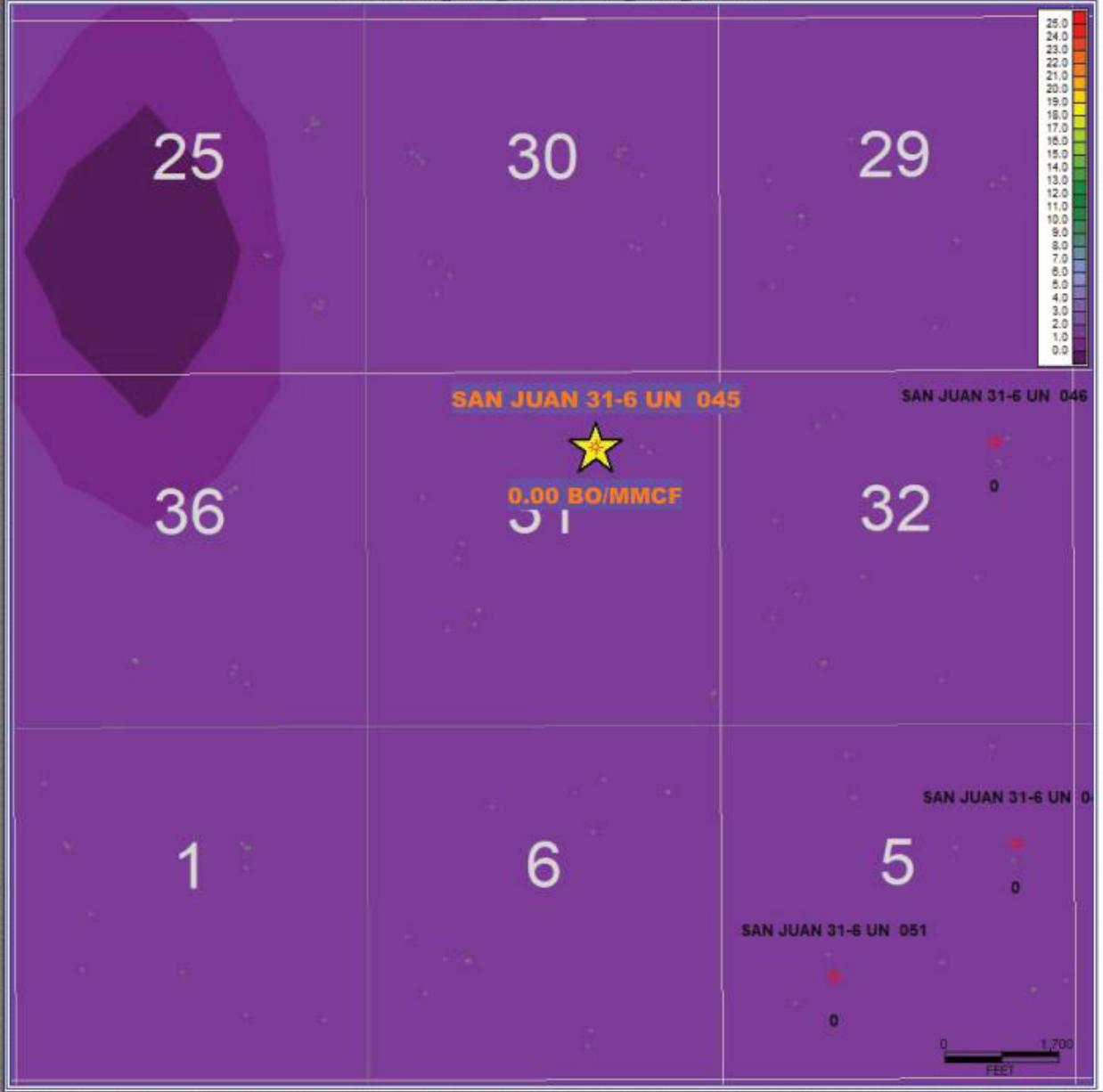
After 4 years oil will be reevaluated and adjust as needed based on average formation yields and new fixed gas allocation.

All documentation will be submitted to NMOCD.

MESAVERDE - OIL_YIELD_BO/MMCF - OIL_YIELD_BO/MMCF



DAKOTA - OIL_YIELD BO/MMCF - OIL_YIELD BO/MMCF



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

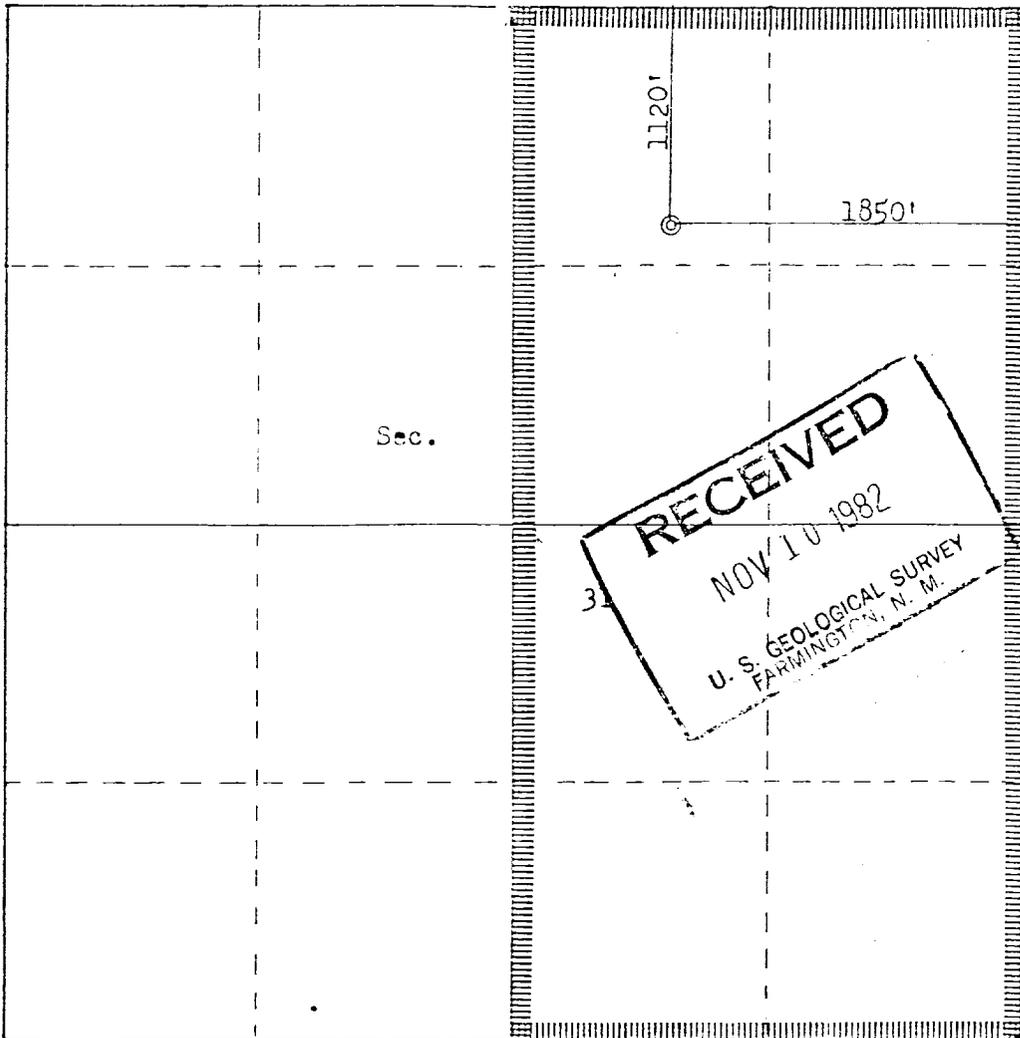
Operator NORTHWEST PIPELINE CORPORATION		Lease SAN JUAN 31-6 UNIT		Well No. 45
Unit Letter B	Section 31	Township 31N	Range 6W	County Rio Arriba
Actual Footage Location of Well: 1120 feet from the North line and 1850 feet from the East line				
Ground Level Elev. 6220	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: E 320 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 Unitization

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'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Paul C. Thompson	
Name	Paul C. Thompson
Position	Drilling Engineer
Company	Northwest Pipeline Corp
Date	October 18, 1982
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	October 15, 1982
Registered Professional Engineer and Land Surveyor	Fred B. Kerr Jr.
Certificate No.	3950

San Juan 31-6 Unit 45

This Dakota zone has never produced oil therefore any oil production will be allocated to the Mesaverde.

Formation	Yield (bbl/MM)	Remaining Reserves (MMcf)	% Oil Allocation
DK	0.000	35	0%
MV	0.000	880	100%