

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator name and Address Phillips Petroleum Company 5525 Highway 64, NBU 3004 Farmington, NM 87401		² OGRID Number 017654	
⁴ Property Code 009257		³ API Number 30-0 39 36180	
⁵ Property Name San Juan 29-6 Unit		⁶ Well No. 25 B	

⁷ Surface Location DIST. 3									
UL or lot no. I	Section 32	Township 29N	Range 6W	Lot. Idn	Feet from the 1740'	North/South Line South	Feet from the 1045'	East/West line East	County Rio Arriba

⁸ Proposed Bottom Hole Location If Different From Surface									
UL or lot no. I	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
⁹ Proposed Pool 1 Blanco Mesaverde 72319					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6743'
¹⁶ Multiple N	¹⁷ Proposed Depth 6233'	¹⁸ Formation Mesaverde	¹⁹ Contractor 4CAT	²⁰ Spud Date 3rd Qtr 1999

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	36#, J/K-55	350'	185 sx C1 H	surface
8-3/4"	7"	20#, J/K-55	3928'	L-477sx C1H P0Z	
				T-100 sx C1 H	surface
6-1/4"	4-1/2"	11.6#, N-80	6233'	195 sx C1 H	**

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

** The 4-1/2" casing is designed to cover openhole section (with 60% excess).

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Title:

Patsy Clugston

Regulatory Assistant

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

5-18-99

DEPUTY OIL & GAS INSPECTOR, DIST. 3

MAY 18 1999

MAY 18 2000

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Form C-102
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State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30039-26180	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 009257	⁵ Property Name SAN JUAN 29-6	⁶ Well Number 25B
⁷ OGRID No. 017654	⁸ Operator Name PHILLIPS PETROLEUM COMPANY	⁹ Elevation 6743'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	32	29N	6W		1740'	SOUTH	1045'	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I									

¹² Dedicated Acres 320 E/2	¹³ Joint or Infill I	¹⁴ Consolidation Code U	¹⁵ Order No.
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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

16	N89°59"E	5282.64'	5280.00'	Section 32	E-389-46 520 acres	1045'	1740'	N00°01"E	S89°58"W	5280.00'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Patsy Clugston Printed Name Regulatory Assistant Title May 12, 1999 Date
											¹⁸ 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 belief. 03/23/99 Date of Survey Signature and Seal of Professional Surveyer: HENRY P. BROADHURST NEW MEXICO PROFESSIONAL SURVEYOR Certificate Number

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the appropriate OCD district office. Independent subdivision surveys will not be acceptable.

1. The OCD assigned API number for this well
2. The pool code for this (proposed) completion
3. The pool name for this (proposed) completion
4. The property code for this (proposed) completion
5. The property name (well name) for this (proposed) completion
6. The well number for this (proposed) completion
7. Operator's OGRID number
8. The operator's name
9. The ground level elevation of this well
10. The surveyed surface location of this well measured from the section lines. NOTE: If the United States government survey designates a Lot Number for this location use that number in the "UL or lot no." box. Otherwise use the OCD unit letter.
11. Proposed bottom hole location. If this is a horizontal hole indicate the location of the end of the hole.
12. The calculated acreage dedicated to this completion to the nearest hundredth of an acre
13. Put a Y if more than one completion will be sharing this same acreage or N if this is the only completion on this acreage
14. If more than one lease of different ownership has been dedicated to the well show the consolidation code from the following table:

C	Communitization
U	Unitization
F	Forced pooling
O	Other
P	Consolidation pending

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!

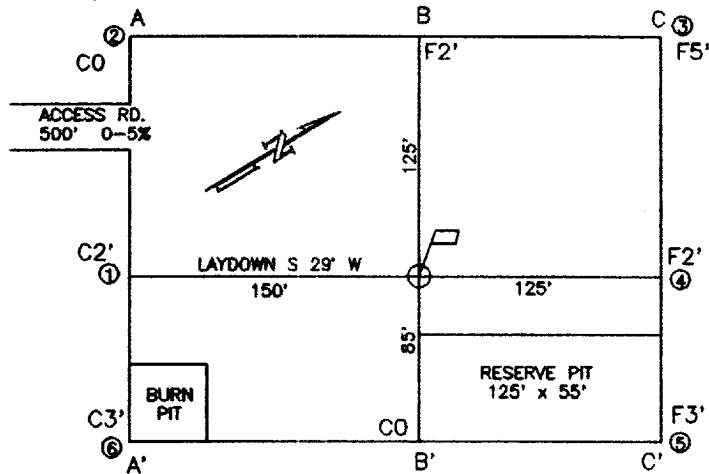
15. Write in the OCD order(s) approving a non-standard location, non-standard spacing, or directional or horizontal drilling
16. This grid represents a standard section. You may superimpose a non-standard section over this grid. Outline the dedicated acreage and the separate leases within that dedicated acreage. Show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. (Note: A legal location is determined from the perpendicular distance to the edge of the tract.) If this is a high angle or horizontal hole show that portion of the well bore that is

open within this pool.

Show all lots, lot numbers, and their respective acreage.

If more than one lease has been dedicated to this completion, outline each one and identify the ownership as to both working interest and royalty.

17. The signature, printed name, and title of the person authorized to make this report, and the date this document was signed.
18. The registered surveyors certification. This section does not have to be completed if this form has been previously accepted by the OCD and is being filed for a change of pool or dedicated acreage.



ELEVATION A-A'

C/L

6763				
6753				
6743				
6733				
6723				

B-B'

C/L

6763				
6753				
6743				
6733				
6723				

C-C'

C/L

6763				
6753				
6743				
6733				
6723				

COMPANY: PHILLIPS PETROLEUM COMPANY

LEASE: SAN JUAN 29-6 UNIT No.25B

FOOTAGE: 1740' FSL. 1045' FEL UNIT I

SEC. 32 TWN. 29-N RNG. 06-W N.M.P.M.

COUNTY, RIO ARriba STATE, N.M.

ELEVATION: 6743

LATITUDE: 36-40-46

LONGITUDE: 107-28-51



PHILLIPS PETROLEUM COMPANY
FARMINGTON, NEW MEXICO

SURVEYED: 3/23/99

REV. DATE:

APP. BY H.B.

DRAWN BY: T.G.

DATE DRAWN: 3/30/99

FILE NAME: P007401

UNITED
FIELD SERVICES INC.

P.O. BOX 3651
FARMINGTON, NM 87499
OFFICE: (505)334-0408

GEOLOGIC PROGNOSIS

Company: **Phillips Petroleum Company**
 Project: **1999 Drilling Plan**
 Area: **San Juan 29-6 Unit**

 Operator: **Phillips Petroleum Company**
 Well Name: **San Juan 29-6 Unit No. 25B (Kmv)**
 Location: **NESE 32-29N-06W**
 Footage: **1740' FSL & 1045' FEL**
 County/State: **Rio Arriba/New Mexico**

Ungraded GL: **6743** Est. (15') KB: **6758**

<u>Formation</u>	<u>Thickness</u>	<u>Depth</u>	<u>Struct. Elev.</u>
San Jose Fm.	1723	Surface	6743
Nacimiento Fm.	1040	1723	5035
Ojo Alamo Ss.	170	2763	3995
Kirtland Sh.	330	2933	3825
Fruitland Fm.	355	3263	3495
Pictured Cliffs Ss.	200	3618	3140
Lewis Sh.	110	3818	2940
<u>Int. Csg. Depth</u>	1155	3928	2830
<u>Green Marker</u>	195	5083	1675
Cliff House Ss.	175	5278	1480
Menefee Fm.	330	5453	1305
Point Lookout Ss.	310	5783	975
Mancos Sh.	140	6093	665
<u>Total Depth</u>	NA	6233	525

Mechanical Logs: Cased hole logs only

Correlation Logs: San Juan 29-6 Unit No. 25A (SWNE 32-29N-06W)
 San Juan 29-6 Unit No. 88 (NWSW 33-29N-06W)

Estimated intervals of water, oil and gas:

Water:	Ojo Alamo	2763-2933
Gas & Water:	Fruitland	3263-3618
Gas:	Mesaverde	5278-6093

John E. Bircher

April 30, 1999

SAN JUAN 29-6 #25 B (MV)

SURFACE CASING :

Drill Bit Diameter	12.25 "	
Casing Outside Diameter	9.625 "	8.913
Casing Weight	36	ppf
Casing Grade	J-55	
Shoe Depth	350 '	
Cement Yield	1.21	cuft/sk
Excess Cement	100	%

Hole / Casing Annulus Capacity 0.0558 bbl/f 0.3132 cuft/ft

Cement Required 191.9 sx

SHOE 350 ', 9.625 ", 36 ppf, J-55

INTERMEDIATE CASING :

Drill Bit Diameter	8.75 "	
Casing Outside Diameter	7 "	6.455
Casing Weight	20	ppf
Casing Grade	J-55	
Shoe Depth	3928 '	
Lead Cement Yield	2.12	cuft/sk
Lead Cement Excess	100	%
Tail Cement Length	402.5 '	
Tail Cement Yield	1.21	cuft/sk
Tail Cement Excess	100	%

Casing / Casing Annulus Capacity 0.0296 bbl/f 0.1660 cuft/ft

Hole / Casing Annulus Capacity 0.0268 bbl/f 0.1503 cuft/ft

Lead Cement Required 477.7 sx

Tail Cement Required 100.0 sx

SHOE 3928 ', 7 ", 20 ppf, J-55

PRODUCTION CASING :

Drill Bit Diameter	6.25 "	
Casing Outside Diameter	4.5 "	4.000
Casing Weight	11.6	ppf
Casing Grade	N-80	
Top of Cement	3728 '	
Shoe Depth	6233 '	
Cement Yield	2.12	cuft/sk
Cement Excess	60	%

Hole / Casing Annulus Capacity 0.0183 bbl/f 0.1026 cuft/ft

Cement Required 194.8 sx

SHOE 6233 ', 4.5 ", 11.6 ppf, N-80