

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0136  
Expires: November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		2001 MAY -2 PM 2:23		5. Lease Serial No. SF-080379A	
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone				6. If Indian, Allottee or Tribe Name	
2. Name of Operator Phillips Petroleum Company				7. Unit or CA Agreement Name and No. San Juan 29-6 Unit	
3a. Address 5525 Highway 64, NBU 3004, Farmington, NM 87401		3b. Phone No. (include area code) 505-999-3454		8. Lease Name and Well No. SJ 29-6 Unit #18C	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface Unit L, 1785' FSL & 970' FWL At proposed prod. zone same as above				9. API Well No. 30-037-26747	
14. Distance in miles and direction from nearest town or post office*				10. Field and Pool, or Exploratory Blanco Mesaverde	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 970'		16. Net Acres in lease 1118.60 acres		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 5, T29N, R6W	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.		19. Proposed Depth 6328'		12. County or Parish Rio Arriba, NM	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6801' GL -		22. Approximate date work will start* 3rd Qtr 2001		13. State NM	
				17. Spacing Unit dedicated to this well .60 318.95 W/2	
				20. BLM/BIA Bond No. on file ES0048	
				23. Estimated duration 20 days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

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| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan  | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Patsy Clugston</i>	Name (Printed/Typed) Patsy Clugston	Date 5/1/01
Title Sr. Regulatory/Proration Clerk		
Approved by (Signautre) <i>/s/ Lee Otteri</i>	Name (Printed/Typed)	Date JUN 27 2001
Title Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on Reverse)

This action is subject to internal and procedural review pursuant to 43 CFR 3160.3 and appeal pursuant to 43 CFR 3165.4.

THIS ACTION IS SUBJECT TO INTERNAL AND PROCEDURAL REVIEW PURSUANT TO 43 CFR 3160.3 AND APPEAL PURSUANT TO 43 CFR 3165.4.

District I  
(N) Box 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Adco, 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-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

2001 MAY -2 PM 2:26

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* Adj. Number 30-039-26747		* Pool Code 72319	* Pool Name Blanco Mesaverde
* Property Code 009257	* Property Name SAN JUAN 29-6 UNIT		* Well Number 18C
* OGRID No. 017654	* Operator Name PHILLIPS PETROLEUM COMPANY		* Elevation 6801'

10 Surface Location

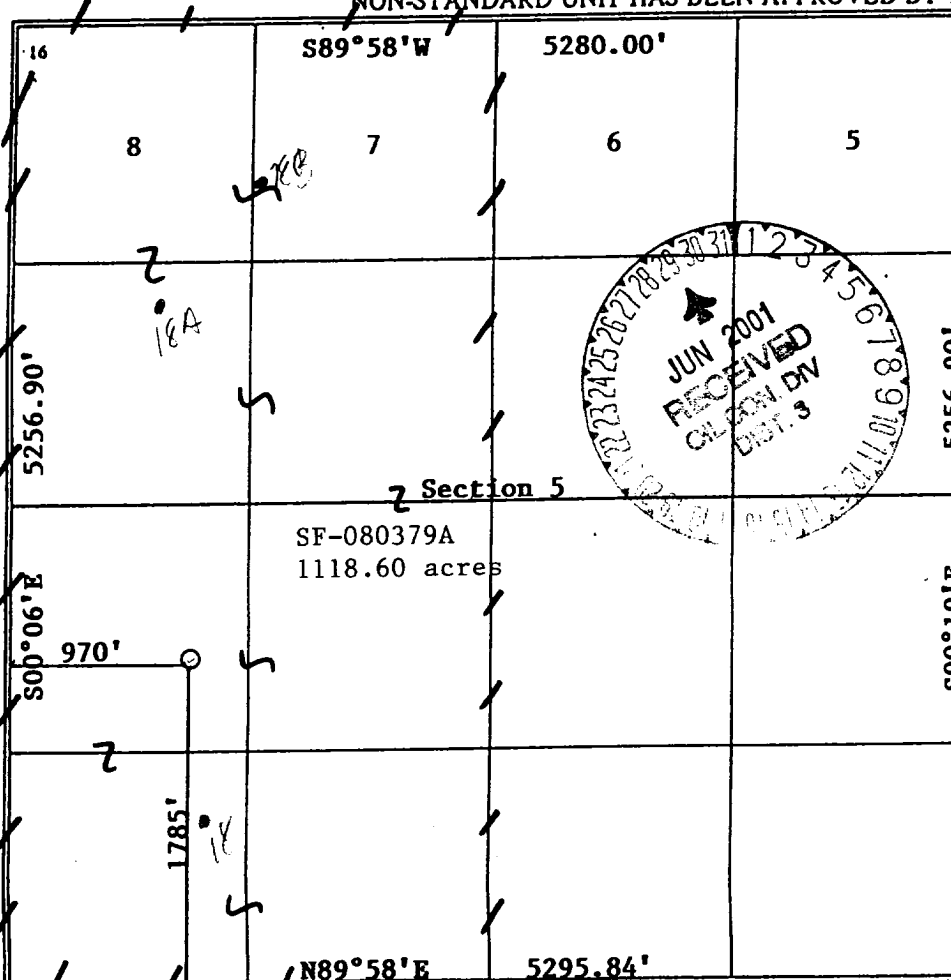
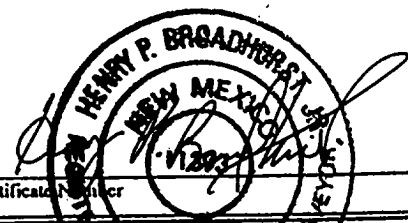
UL, or lot no. L	Section 5	Township 29N	Range 6W	Lot Idn	Feet from the 1785'	North/South line SOUTH	Feet from the 970'	East/West line WEST	County RIO ARriba
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11 Bottom Hole Location If Different From Surface

UL, or lot no. L	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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" Dedicated Acres 318.48 W/2	" Joint or Infill Y	" Consolidation Code U	" 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

 <p>Section 5 SF-080379A 1118.60 acres</p>				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature Patsy Clugston</p> <p>Printed Name Sr. Regulatory/Proration Clerk</p> <p>Title 4-6-01</p> <p>Date</p>	
<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey 03/22/01</p> <p>Signature and Seal of Professional Surveyor: </p>					

# PHILLIPS PETROLEUM COMPANY

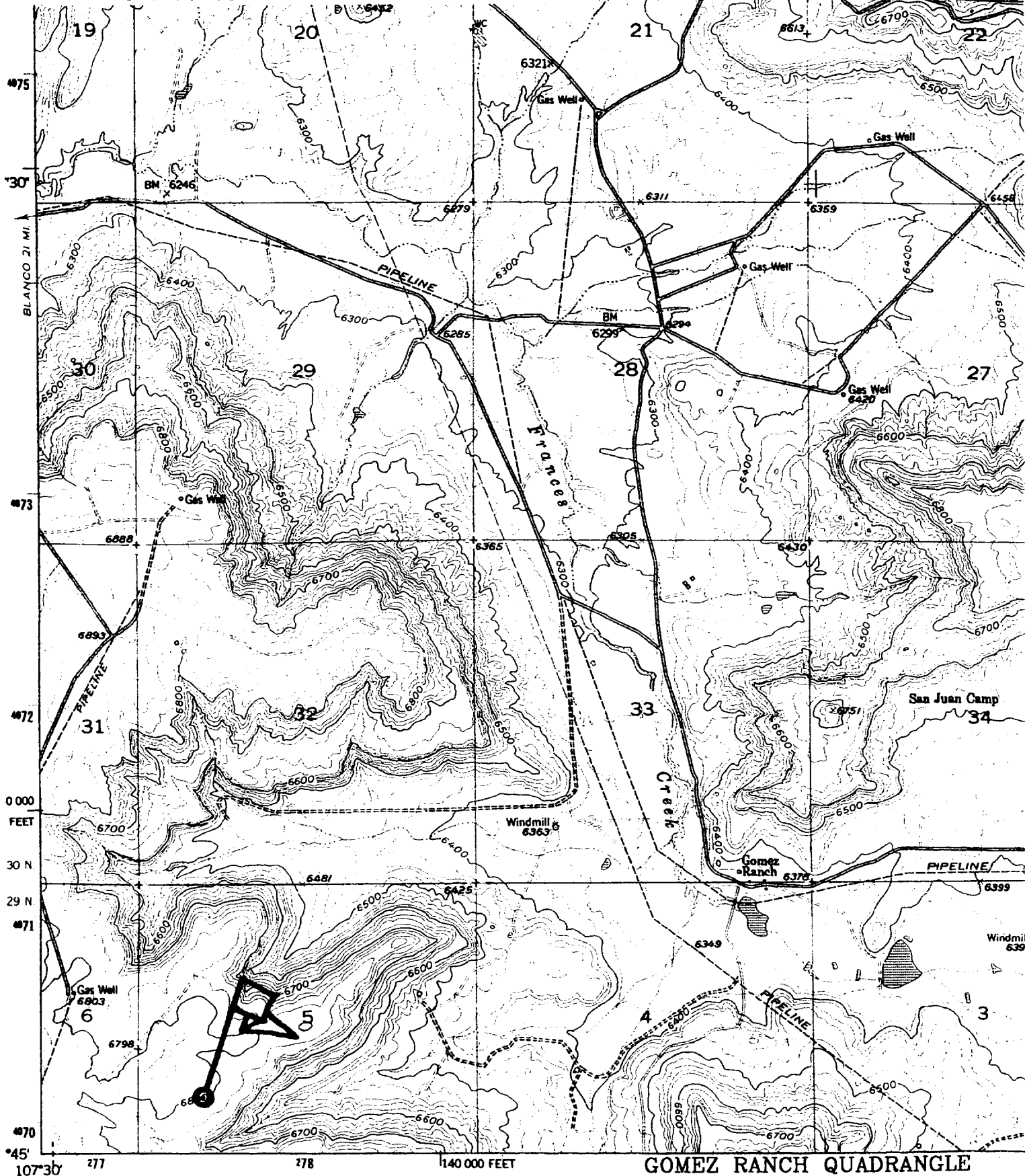
SAN JUAN 29-6 UNIT No. 18C

1785' FSL, 970' FWL

SW/4 SEC. 5, T-29-N, R-06-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND LEVEL ELEVATION: 6801'



GOMEZ RANCH QUADRANGLE

## PHILLIPS PETROLEUM COMPANY

WELL NAME: San Juan 29-6 Unit #12C MV

### DRILLING PROGNOSIS

1. Location of Proposed Well: Unit L, 1785' FSL, & 970' FWL,  
Section 5, T29N, R6W

2. Unprepared Ground Elevation: @ 6801' (unprepared) .

3. The geological name of the surface formation is San Jose .

4. Type of drilling tools will be rotary .

5. Proposed drilling depth is 6328' .

6. The estimated tops of important geologic markers are as follows:

<u>Nacimiento - 1463'</u>	<u>Lewis Shale - 3813'</u>
<u>Ojo Alamo - 2795'</u>	<u>Cliff House Ss - 5511'</u>
<u>Kirtland Sh - 2958'</u>	<u>Menefee Fm. - 5610'</u>
<u>Fruitland Fm. 3403'</u>	<u>Pt. Lookout - 5888'</u>
<u>Pictured Cliffs - 3693'</u>	<u>Mancos Sh - 6188'</u>

7. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

Water:	<u>Ojo Alamo - 2795' - 2958'</u>
Gas & Water:	<u>Fruitland - 3403' - 3693'</u>
Gas:	<u>Mesaverde - 5511' - 6188'</u>

8. The proposed casing program is as follows:

Surface String: 9-5/8", 36#, J/K-55 @ 320' \*

Intermediate String: 7", 20#, J/K-55 @ 3938' (J-55 will be used, unless the K-55 is the  
only casing available.

Production String: 4-1/2", 11.6#, J-55 @ 6328' (TD)

\* The surface casing will be set at a minimum of 320', but could be set deeper if required to maintain hole stability.

## 9. Cement Program:

Surface String: 158.6 sx Type III cement + 2% bwoc Calcium Chloride + 0.25#/sx Cello-flake + 60.6% FW (1.41 yield = 224 cf). *Circ to Surface*

Intermediate String: **Lead Cement:** 475.8 sx Type III cement (35:65) Poz + 5#/sx Gilsonite + 0.25 #/sx Cello-Flake + 6% bwoc Bentonite + 10#/sx CSE + 3% bwoc KCL + 0.4% bwoc FL-25 + 0.02#/sx static free + 129% FW (2.37 yield = 1128 cf). Cement to surface with 110% excess casing/hole annular volume.

**Tail Cement:** 50.0 sx Type III cement + 0.25#/sx Cello-Flake + 1% Calcium Chloride + 60.5% FW (1.4 yield = 70 cf). Cement to surface with 110% excess of casing/hole annulus volume.

Production String \*: 190.5 sx (35:65) Poz Class H cement + 10#/sx CSE + 0.25#/sx Cello-Flake + 0.2% bwoc CD-32 + 5#/sx Gilsonite + 0.5% bwoc FL-52 + 6% bwoc Bentonite + 112.4% FW (2.13 yield = 406 cf). The production string casing cement is designed to cover openhole section with 60% excess.

\*The production casing cement is calculated to cover the openhole interval with 60% excess and annular volume 100' within intermediate shoe. Depending on hole conditions, the well may be cemented in a single stage or two staged.

Centralizer Program:

Surface: Total four (4) 1 @ 10' above shoe & top of 2<sup>nd</sup>, 4<sup>th</sup> & 6<sup>th</sup> joint

Intermediate: Total seven (7) – 10' above shoe, top of 1<sup>st</sup>, 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup>, & 8<sup>th</sup> jts & 1 jt. above surface casing.

Production: None planned.

Turbulators: Total Three (3) – on intermediate casing at 1<sup>st</sup> jt. below the Ojo Alamo and next 2 jts up.

10. The minimum specifications for pressure control equipment which are to be used, a schematic diagram thereof showing sizes, pressure ratings (or) API series and the testing procedure and testing frequency are enclosed within the APD packet.
11. Drilling Mud Prognosis: Surface - spud mud on surface casing.  
Intermediate - spud mud generated from natural clays with gel sweeps pretreated w/LCM before entering coal interval.  
Below Intermediate - air or gas drilled.