

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

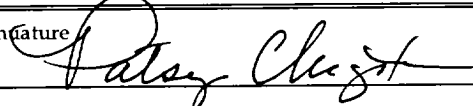
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF-080537	
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" 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 30-5 Unit	
3a. Address 5525 Highway 64, NBU 3004, Farmington, NM 87401		8. Lease Name and Well No. SJ 30-5 Unit #115	
3b. Phone No. (include area code) 505-599-3454		9. API Well No. 30-039-26840	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface Unit G, 1975' FNL & 940' FEL  At proposed prod. zone Same as above		10. Field and Pool, or Exploratory Basin DK and Blanco MV	
11. Sec., T., R., M., or Blk. and Surveyor Area Section 24, T30N, R5W		12. County or Parish Rio Arriba, NM	
14. Distance in miles and direction from nearest town or post office* 29 miles east of Blanco, NM		13. State	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 1018'		16. No. of Acres in lease 807.21 acres	
17. Spacing Unit dedicated to this well 218.36 E/2 both MV & DK		18. Distance from proposed* location to nearest well, drilling completed, applied for, on this lease, ft.	
19. Proposed Depth 8654'		20. BLM/BIA Bond No. on file ES0048	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7182' GL		22. Approximate date work will start* 2nd Qtr 2002	
23. Estimated duration 20 days			

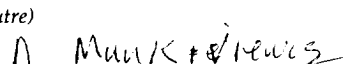
24. Attachments

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

- |   |  |
|---|--|
| 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 	Name (Printed/Typed) Patsy Clugston	Date 10/10/01
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Title Sr. Regulatory/Proration Clerk	
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Approved by (Signature) 	Name (Printed/Typed) Munkiewicz	Date May 23-02
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Title Office	
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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 document is subject to a  
procedural review pursuant to 43 CFR 2165.4  
and appeal pursuant to 43 CFR 2165.4.

HOLD C106 FOR NSP

District I  
150 Box 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
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-1  
Revised October 18, 19  
Instructions on ba  
Submit to Appropriate District Offi  
State Lease - 4 Copi  
Fee Lease - 3 Copi

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-26840		2 Pool Code 71599		3 Pool Name Basin Dakota			
4 Property Code 009258		5 Property Name SAN JUAN 30-5 UNIT				6 Well Number 115	
7 OGRID No. 017654		8 Operator Name PHILLIPS PETROLEUM COMPANY				9 Elevation 7182'	

10 Surface Location

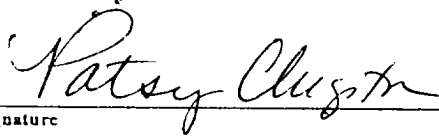
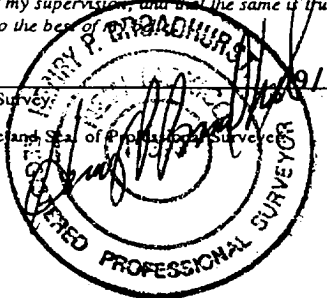
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	24	30N	5W		1975'	NORTH	940'	EAST	RIO ARriba

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
G									

12 Dedicated Acres 218.36 E/2	13 Joint or Infill Y	14 Consolidation Code U	15 Order No. NJSP-1829
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR,  
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	N89°57'W 2640.00'	1320.00'	475.20'	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 Sr. Regulatory/Proration Cler Title 9-21-01 Date	
5280.00'	Section 24	SF-080537 807.21 acres	940'	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 knowledge and belief	
					
				Date of Survey 9/5/01 Signature and Seal of Professional Surveyor Certificate Number	
N00°03'E	2640.00'	1320.00'	487.74'		

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☐ AMENDED REPOE

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-039 <sup>17</sup> Number 26840		1 Pool Code 72319		1 Pool Name Blanco Mesaverde	
4 Property Code 009258		3 Property Name SAN JUAN 30-5 UNIT			6 Well Number 115
7 OGRID No. 017654		4 Operator Name PHILLIPS PETROLEUM COMPANY			8 Elevation 7182'

10 Surface Location

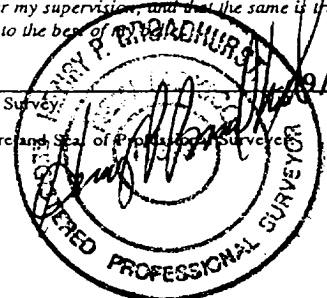
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16	N89°57'W 2640.00'	1320.00'	475.20'	1975'	940'	5280.00'	5280.00'	Section 24	SF-080537 807.21 acres	N00°03'E	2640.00'	1320.00'	487.74'	West	North	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Patsy Clugston Signature Patsy Clugston Printed Name Sr. Regulatory/Proration Clerk Title 9-21-01 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 knowledge and belief  Date of Survey 9/5/01 Signature and Seal of Professional Surveyor  Certificate Number																

# PHILLIPS PETROLEUM COMPANY

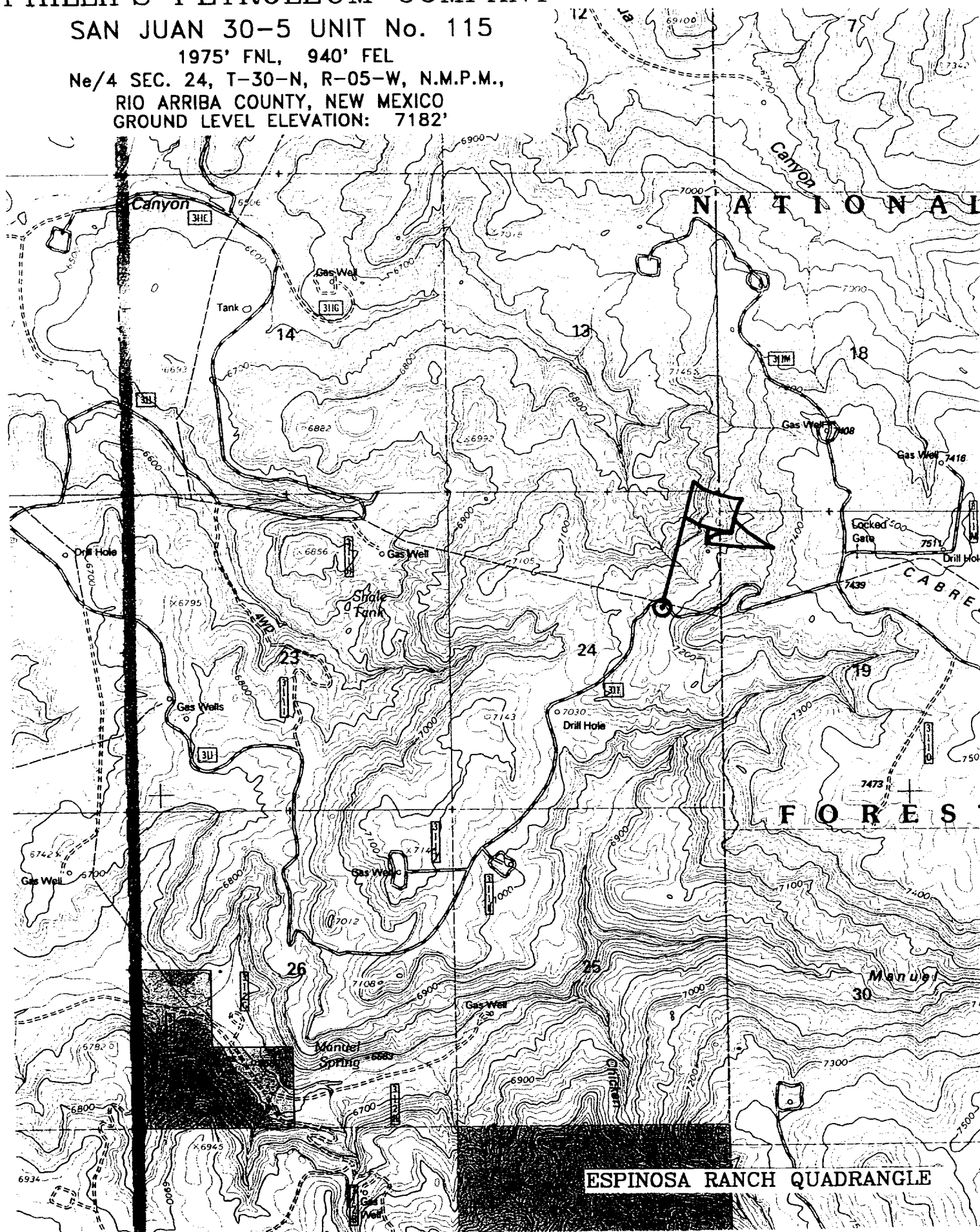
SAN JUAN 30-5 UNIT No. 115

1975' FNL, 940' FEL

Ne/4 SEC. 24, T-30-N, R-05-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND LEVEL ELEVATION: 7182'



## PHILLIPS PETROLEUM COMPANY

WELL NAME: San Juan 30-5 Unit #115 MV/DK

### DRILLING PROGNOSIS

1. Location of Proposed Well: Unit G, 1975' FNL & 940' FEL  
Section 24, T30N, R5W
2. Unprepared Ground Elevation: @ 7182' (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 8654'.

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

<u>Nacimiento - 2119'</u>	<u>Menefee Fm. - 6099'</u>
<u>Ojo Alamo - 3248'</u>	<u>Pt. Lookout - 6288'</u>
<u>Kirtland Sh - 3456'</u>	<u>Mancos Sh - 6626'</u>
<u>Fruitland Fm. - 3752'</u>	<u>Gallup Ss. - 7579'</u>
<u>Pictured Cliffs - 3929'</u>	<u>Greenhorn Ls. - 8324'</u>
<u>Lewis Shale - 4227'</u>	<u>Graneros Sh. - 7386'</u>
<u>Cliff House Ss - 6014'</u>	<u>Dakota Ss - 8504'</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 - 3248' - 3456'</u>
Gas & Water:	<u>Fruitland - 3752' - 3929'</u>
Gas:	<u>Mesaverde - 6014' - 6626'</u>
	<u>Dakota - 8504' - 8654'</u>

8. The proposed casing program is as follows:

Surface String: 9-5/8", 32.3#, H-40 @ 320'  
Intermediate String: 7", 20#, J/K-55 @ 4352'  
Production String: 4-1/2", 11.6#, I-80 or N-80 @ 8654' (TD)

9. Cement Program:

Surface String: 197.7 sx Type III cement + 2% bwoc Calcium Chloride + 0.25#/sx  
Cello-flake + 60.6% FW (1.41 yield = 278 cf). *Cement to Surface JK*

Intermediate String: **Lead Cement:** 556.5 sx Type III cement (35:65) Poz + 5#/sx Gilsonite + 0.25 #/sx Cello-Flake + 6% bwoc Bentonite + 10#/sx CSE + 3% bwow KCL + 0.4% bwoc FL-25 + 0.02#/sx static free + 129% FW (2.37 yield = 1318.9 cf). Cement to surface with 120% 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 120% excess of casing/hole annulus volume.

Production String \*: **Lead Cement:** 50 sx Type III (35:65) POZ L (Fly Ash L) with 6% gel Bentonite, 5#/sx Phenoseal, 0.2% bwoc CD-32, 0.75 bwoc FL-52 1#/sx LCM-1 0.25#/sx Cello-Flake, 10#/sx CSE, 0.02#/sx Static Free (2.34 yield = 117 cf).

**2<sup>nd</sup> Lead Cement:** 227.8 sx Type III (35:65) POZ L (Fly Ash L) with 6% gel Bentonite, 2.5#/sx Phenoseal, 0.2% bwoc CD-32, 0.75 bwoc FL-52 1#/sx LCM-1 0.25#/sx Cello-Flake, 10#/sx CSE, 0.02#/sx Static Free (2.32 yield = 529 cf)

**Tail Cement -** 20 sx Type III (35:65) POZ L (Fly Ash L) with 6% gel Bentonite, 5#/sx Phenoseal, 0.2% bwoc CD-32, 0.75 bwoc FL-52 1#/sx LCM-1 0.25#/sx Cello-Flake, 10#/sx CSE, 0.02#/sx Static Free (1.91 yield = 38 cf).

\*The production casing cement is calculated to cover the openhole interval with 50% excess and annular volume 200' 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.

## **BOP AND RELATED EQUIPMENT CHECK LIST**

### **3M SYSTEM:**

2 hydr. rams (pipe & blind) or hydr. ram and annular with blind ram on bottom

Kill Line (2-inch minimum)

1 kill line valve (2-inch minimum)

1 choke line valve

2 chokes (refer to diagram in attachment 1) on choke manifold

Upper kelly cock valve in open position with handle available

Safety valve (in open position) and subs to fit all drill strings in use (with handle available)

Pressure gauged on choke manifold

2 inch minimum choke line

Fill-up line above the uppermost preventer

*The BOPs will be pressure tested according to Onshore Order #2 III, A 1 and 30% safety factor.*