

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1. TYPE OF WORK  
☒ **DRILL** ☐ **DEEPEN**

2. TYPE OF WELL  
☐ **OIL WELL** ☒ **GAS WELL** ☐ **OTHER**

2. NAME OF OPERATOR  
**Phillips Petroleum Company**

3. ADDRESS AND TELEPHONE NO.  
**5525 Highway 64, NBU 3004, Farmington, NM 87401**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface  
**Unit F, 2290' FNL & 2438' FWL**  
 At proposed prod. zone  
**Same as above**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**21 miles east of Blanco, NM**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**2290'**

16. NO. OF ACRES IN LEASE  
**1960.0 acres**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**320 W/2-MV & 320 N/2-DK**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**7738'**

19. PROPOSED DEPTH  
**7738'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6356' unprepared groundlevel**

22. APPROX. DATE WORK WILL START\*  
**4th Qtr 2000**

5. LEASE DESIGNATION AND SERIAL NO.  
**SF-080146**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**San Juan 29-6 Unit**

8. FARM OR LEASE NAME, WELL NO.  
**SJ 29-6 Unit #99M**

9. APL WELL NO.  
**30-039-26430**

10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA AND BLANCO MESAVERDE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**F Section 34, T29N, R6W**

12. COUNTY OR PARISH  
**Rio Arriba**

13. STATE  
**NM**

procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM				DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#, J/K-55	320'*	158.5sx Type III (1.41 yield=223 cf)
8-3/4"	7"	20#, J/K-55	3668'	L-438.8sx TypeIII(2.37 yield=1040cf)
6-1/4"	4-1/2"	11.6#, I-80	7738'—	T-50.0 sx Type III (1.4 yield=70 cf)
				320.0 sx C1 H (2.13 yield=682 cf)**

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

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

See attached for details on the BOP equipment and Cathodic Protection.

The pipeline information is included in this APD, but WFS will be obtaining ROW approval from the Surface Owner.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Monica D. Rodahl TITLE Regulatory Assistant DATE 04/04/00

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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:

APPROVED BY [Signature] TITLE Perm To Drill DATE 6/14/02

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

District I  
PO Box 1988, Hobbs, NM 88241-1988  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1008 Rio Brasso Rd., Aztec, NM 87416  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number 30-039-26430		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 009257		5 Property Name SAN JUAN 29-6 UNIT			6 Well Number 99M
7 OGRID No. 017654		8 Operator Name PHILLIPS PETROLEUM COMPANY			9 Elevation 6356'

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
F	34	29N	6W		2290'	NORTH	2438'	WEST	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
F									

12 Dedicated Acres 320 W/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

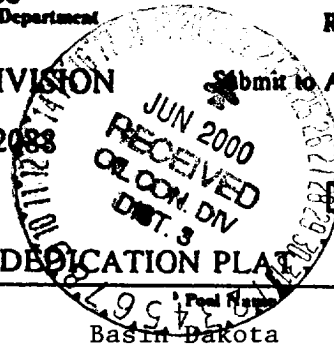
	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Monica D. Rodahl</p> <p>Signature</p> <p>Monica D. Rodahl</p> <p>Printed Name</p> <p>Regulatory Assistant</p> <p>Title</p> <p>March 21, 2000</p> <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>02/08/2000</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p></p>

District I  
PO Box 1900, Hobbs, NM 88241-1900  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-039-76430</b>		Pool Code <b>71599</b>	Pool Name <b>Basin Dakota</b>
Property Code <b>009257</b>	Property Name <b>SAN JUAN 29-6 UNIT</b>		Well Number <b>99M</b>
OGRID No. <b>017654</b>	Operator Name <b>PHILLIPS PETROLEUM COMPANY</b>		Elevation <b>6356'</b>

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
<b>F</b>	<b>34</b>	<b>29N</b>	<b>6W</b>		<b>2290'</b>	<b>NORTH</b>	<b>2438'</b>	<b>WEST</b>	<b>RIO ARriba</b>

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
<b>F</b>									
Dedicated Acres <b>320 N/2</b>		Joint or Infill <b>I</b>		Consolidation Code <b>U</b>		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>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><b>Monica D. Rodahl</b></p> <p>Signature Monica D. Rodahl</p> <p>Printed Name Regulatory Assistant</p> <p>Title March 21, 2000</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><b>02/08/2000</b></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p></p>	

# PHILLIPS PETROLEUM COMPANY

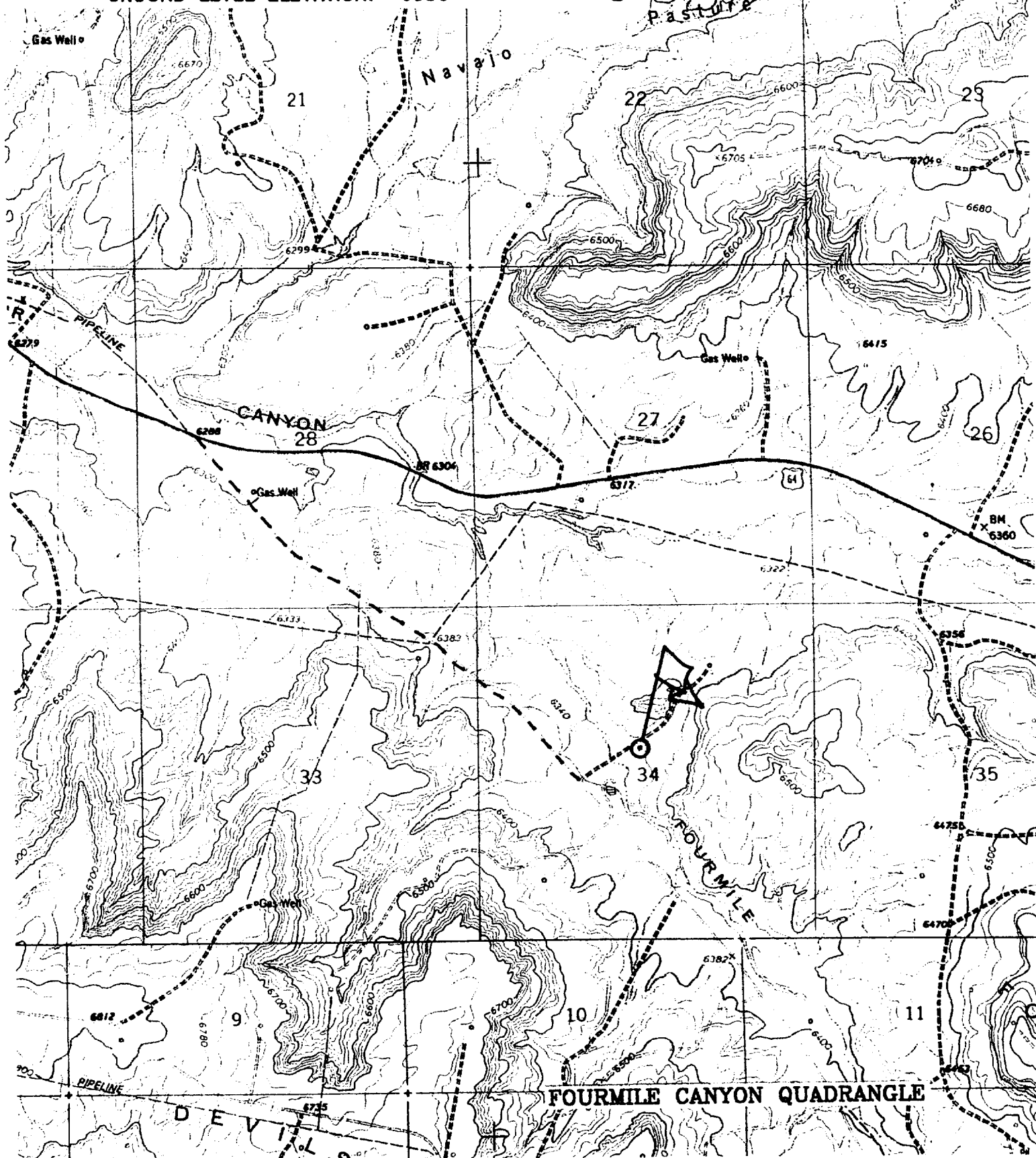
SAN JUAN 29-6 UNIT No. 99M

2290' FNL, 2438' FWL

NW/4 SEC. 34, T-29-N, R-06-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND LEVEL ELEVATION: 6356'





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Jennifer A. Salisbury**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

May 25, 2000

**Phillips Petroleum Company**  
**5525 Highway 64 – NBU 3004**  
**Farmington, New Mexico 87401**  
**Attention: S. Scott Prather**



**Administrative Order NSL-4458**

Dear Mr. Prather:

Reference is made to the following: (i) your initial application dated March 23, 2000; (ii) your letter dated May 17, 2000 with supplemental data attached; and (iii) the records of the Division in Santa Fe and Aztec: all concerning Phillips Petroleum Company's request for an exception to the well location requirements provided within the "*Special Rules and Regulations for the Basin-Dakota Pool*," as promulgated by Division Order No. R-10987, for a non-standard infill gas well location in an existing standard 320-acre lay-down gas spacing and proration unit for the Basin-Dakota Pool comprising the N/2 of Section 34, Township 29 North, Range 6 West, NMPM, Rio Arriba County, New Mexico. This unit is currently dedicated to Phillips Petroleum Company's San Juan "29-6" Unit Well No. 99 (API No. 30-039-20298), located a standard initial gas well location 900 feet from the North line and 1150 feet from the East line (Unit A) of Section 34.

The application has been duly filed under the provisions of Division Rules 104.F and 605.B.

By the authority granted me under the provisions of Division Rule 104.F (2), the following described well to be drilled at an unorthodox infill gas well location in Section 34 is hereby approved:

**San Juan "29-6" Unit Well No. 99-M**  
**2290' FNL & 2438' FWL (Unit F). – 34- 29N-6W**

Further, both of the aforementioned San Juan "29-6" Unit Well Nos. 99 and 99-M and existing gas spacing and proration unit will be subject to all existing rules, regulations, policies, and procedures applicable to prorated gas pools in Northwest, New Mexico.

Sincerely,

Lori Wrotenbery  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec  
U. S. Bureau of Land Management - Farmington



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

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Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

May 25, 2000

Phillips Petroleum Company  
5525 Highway 64 - NBU 3004  
Farmington, New Mexico 87401  
Attention: S. Scott Prather



*Administrative Order NSL-4457*

Dear Mr. Prather:

Reference is made to the following: (i) your initial application dated March 23, 2000; (ii) your letter dated May 17, 2000 with supplemental data attached; and (iii) the records of the Division in Santa Fe and Aztec: all concerning Phillips Petroleum Company's request for an exception to the well location requirements provided within the "Special Rules and Regulations for the Basin-Dakota Pool," as promulgated by Division Order No. R-10987, for a non-standard infill gas well location in an existing standard 320-acre lay-down gas spacing and proration unit for the Basin-Dakota Pool comprising the S/2 of Section 34, Township 29 North, Range 6 West, NMPM, Rio Arriba County, New Mexico. This unit is currently dedicated to Phillips Petroleum Company's San Juan "29-6" Unit Well No. 95 (API No. 30-039-20027), located a standard initial gas well location 1650 feet from the South line and 1075 feet from the West line (Unit L) of Section 34.

The application has been duly filed under the provisions of Division Rules 104.F and 605.B.

By the authority granted me under the provisions of Division Rule 104.F (2), the following described well to be drilled at an unorthodox infill gas well location in Section 34 is hereby approved:

**San Juan "29-6" Unit Well No. 95-M**

**1265' FSL & 2455' FEL (Unit O).**

*34 29N-6W*

Further, both of the aforementioned San Juan "29-6" Unit Well Nos. 95 and 95-M and existing gas spacing and proration unit will be subject to all existing rules, regulations, policies, and procedures applicable to prorated gas pools in Northwest, New Mexico.

Sincerely,

Lori Wrotenbery  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec  
U. S. Bureau of Land Management - Farmington



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

November 19, 1992



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

Dillingham-Martin Insurance  
P. O. Box 1669  
Enid, Ok. 73702

Attention: Norine Dotson

Re: \$5,000 One-Well Plugging Bond  
Richardson Operating Company, Principal  
Gulf Insurance Company, Surety  
1613' FNL and 1743' FEL of  
Sec. 15, T-29-N, R-12-W,  
San Juan County  
Bond No. 58 60 34

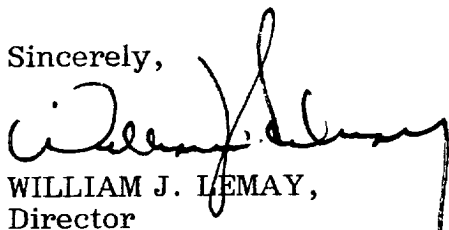
RECEIVED  
NOV 28 1992  
OIL CON. DIV.  
DIST. 3

Dear Ms. Dotson:

The Oil Conservation Division hereby approves the above-referenced plugging bond effective November 18, 1992.

It is my understanding that the original bond will be forthcoming shortly.

Sincerely,

  
WILLIAM J. LEMAY,  
Director

dr/

cc: Oil Conservation Division  
✓ Aztec, New Mexico

Richardson Operating Company  
P. O. Box 9808  
Denver, Co. 80209

### Blowout Preventer Equipment (BOPE)

ABHP = 3000 PSI; TVD = 7,738 Feet; Mud Weight = NA\*

\*Air drilled hole for production casing.

Operator's Gradient (ABHP / TVD) = 0.388 PSI/Ft is / is not appropriate and does / does not coincide with the Anticipated Mud Weight for each drilled interval.

The most credible ABHP is 0.388 PSI/Ft.

$$\text{Mud Weight} \times 0.05195 = \text{Gradient}$$

$$\underline{\text{NA}^*} \times 0.05195 = \underline{\text{\#VALUE!}}$$

$$\text{ABHP} - (0.22 \times \text{TVD}) = \text{ASP}$$

$$\underline{3000} - ( \underline{0.22} \times \underline{7738} ) \underline{1298} \text{ psi}$$

Operator's proposed BOPE of 3 M exceeds / does not exceed the ASP and is therefore adequate / not adequate.

Note ASP - Anticipated Surface Pressure

ABHP - Anticipated Bottom Hole Pressure