

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

2. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

3. NAME OF OPERATOR
 Phillips Petroleum Company *17654*

4. ADDRESS OF OPERATOR
 300 W. Arrington, Suite 200, Farmington, N.M. 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: Unit K, 1743' FSL & 1432' FWL
 At proposed prod. zone: Same as above

6. LEASE DESIGNATION AND SERIAL NO.
 SF-078642

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME
 San Juan 29-5 Unit *9256*

9. FARM OR LEASE NAME

10. WELL NO.
 231

11. FIELD AND POOL, OR WILDCAT
71629
 Basin Fruitland Coal Gas

12. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 5, T-29-N, R- 5-W

13. COUNTY OR PARISH 14. STATE
 Rio Arriba NM

15. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 25 miles East of Blanco

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 113' from SJ 29-5 #18

17. NO. OF ACRES IN LEASE
~~560~~ 560

18. PROPOSED DEPTH
 3525'

19. ROTARY OR CABLE TOOLS
 Rotary

20. APPROX. DATE WORK WILL START*
 Upon Approval

21. ELEVATIONS (Show whether DF, RT, GR, etc.) This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4
 6628' (GL Unprepared)

22. OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED QUANTITY OF CEMENT

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#, K-55	250'	200 sxs, Circ to Surface
8-3/4"	7"	23#, K-55	3300'	600 sxs, Circ to Surface
6-1/8"	5-1/2"	15.5# or 23#	3200'-3525'	*

*If the coal is cleated a 5-1/2", 23#, P-110 liner will be run in the open hole without being cemented.

*If the coal is not cleated a 5-1/2", 15.5#, K-55 liner will be run, cemented with 100 sxs cement and the well fractured.

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 FEB 18 1992
 OIL CON. DIV.,
 DIST. 3

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 BLM
 FEB 27 11:19:05
 FEDERAL BUREAU OF LAND MGMT.

Mud Program and BOP Equipment: See Attached

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 *L. E. Robinson* TITLE Sr. Deig & Prod Engineer APPROVED *John Skell* 8-23-91
 L. E. Robinson AS AMENDED
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE FEB 18 1992

APPROVED BY _____ TITLE _____ AREA MANAGER

CONDITIONS OF APPROVAL, IF ANY:

Federal instead of Fed NM000
 Instructions On Reverse Side

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FEB 8 1953
OFFICE OF THE
DIRECTOR

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FEB 8 1953

FEB 8 1953

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED
DLM

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1950, Hobbs, NM 88240

DISTRICT II
P.O. District DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

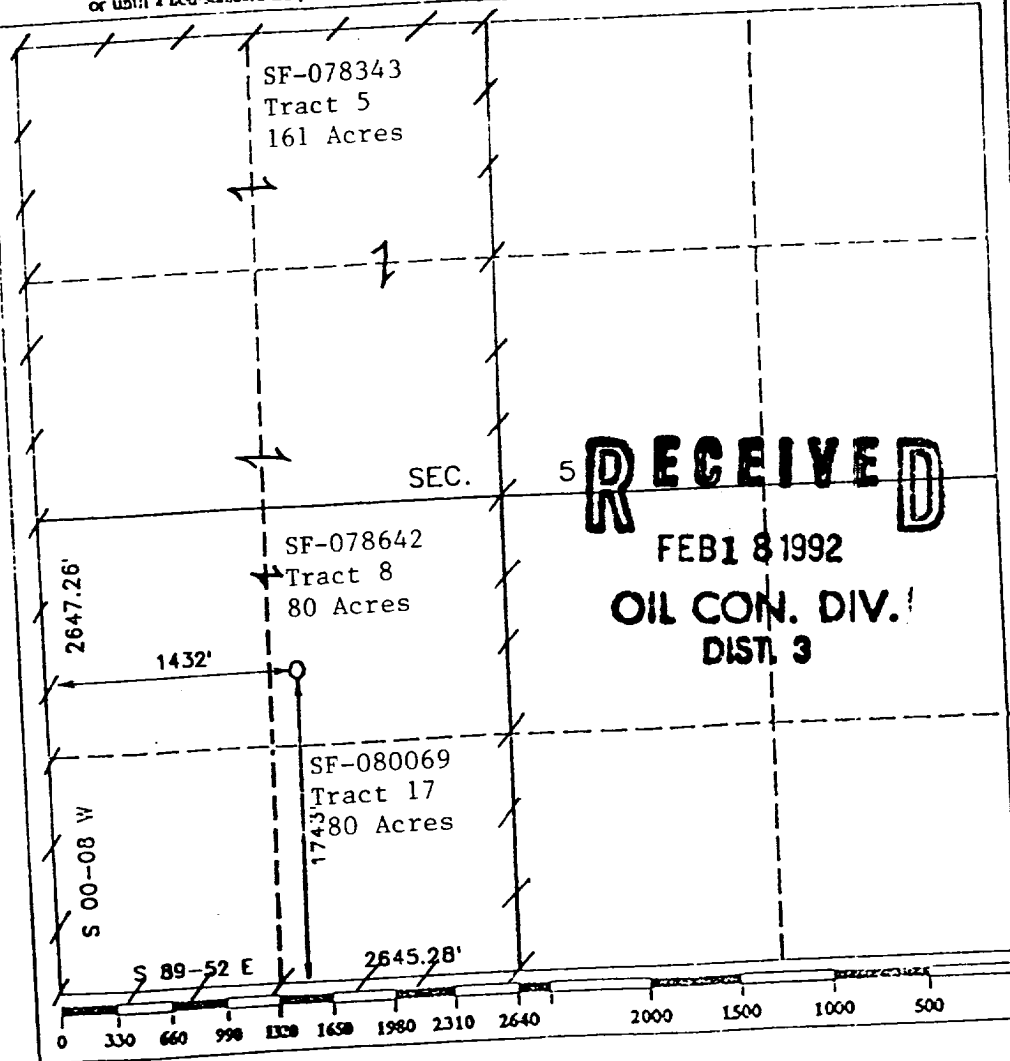
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

AUG 27 AM 10:06

PHILLIPS PETROLEUM		SAN JUAN 19-5 UNIT		SANTA FE COUNTY, N.M.	
Unit Letter K	Section 5	Township T.29 N.	Range R.5 W.	County RIO ARriba COUNTY	
Actual Footage Location of Well: 1743 feet from the SOUTH line and 1432 feet from the WEST line			Dedicated Acreage: 321 Acres		
Ground level Elev. 6628		Producing Formation Fruitland		Basin Fruitland Coal	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communication, unitization, force-pooling, etc.?
 Yes No If answer is "yes" type of consolidation Unitized
 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 communication, unitization, force pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



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FEB 18 1992

OIL CON. DIV.
DIST. 3

OPERATOR CERTIFICATION

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

Signature: *L. E. Robinson*

Printed Name: L. E. Robinson

Position: Sr. Drilg. & Prod. Engr.

Company: Phillips Petroleum Co.

Date: 8-23-91

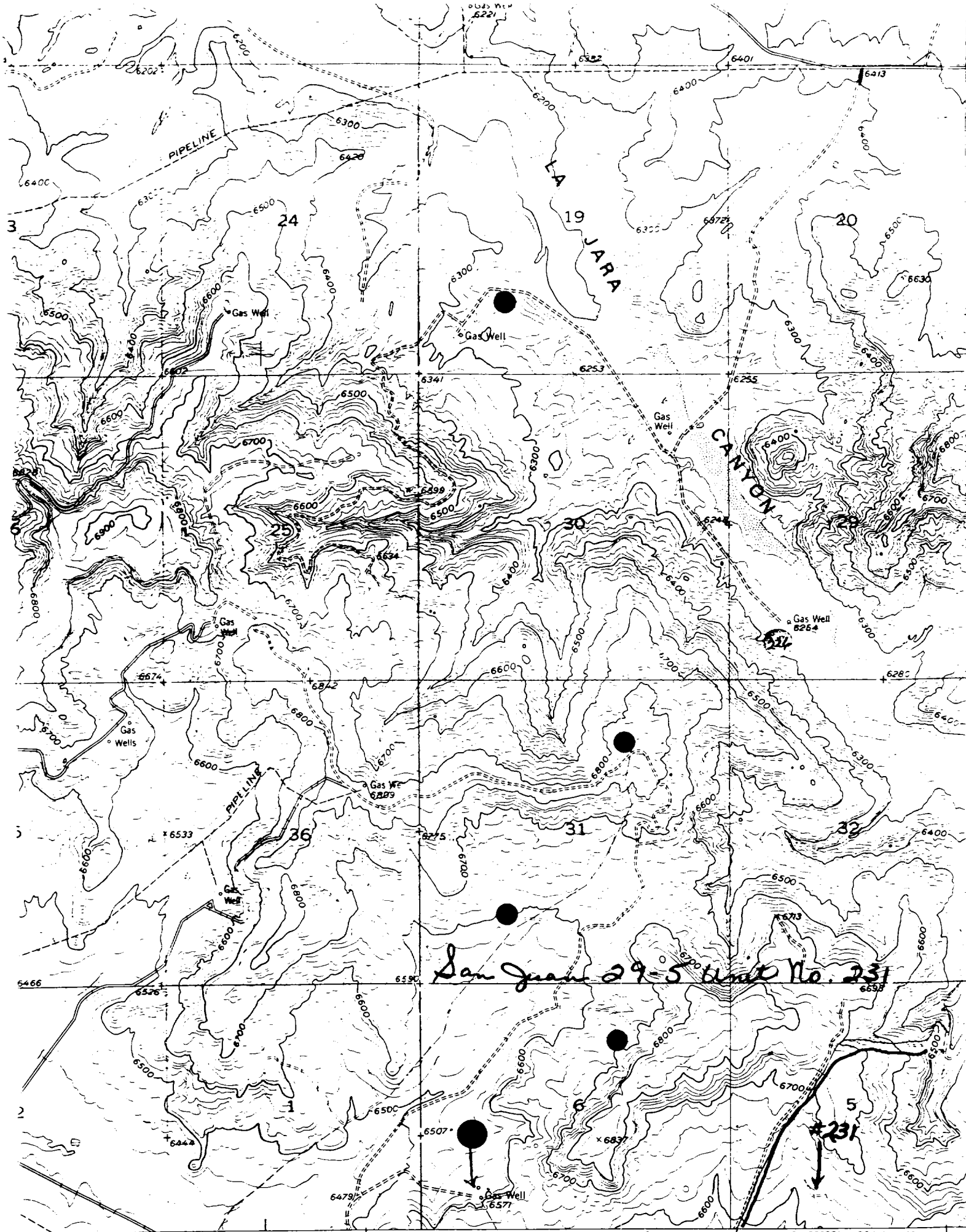
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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: 8-23-91

REGISTERED PROFESSIONAL SURVEYOR
 STATE OF NEW MEXICO
 BROADHURST, J.
 11393

RECEIVED
FEDERAL
OFFICE OF
CONSUMER
PROTECTION



San Juan 29-5 Unit No. 231

4 7 MI TO US 64

284 25

R 6 W R 5 W

286

INTERIOR- GEOLOGICAL SURVEY RESTON VIRGINIA-1983

287000m. E.

107%

Submit to Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)
30-039-25075

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. Lease Name or Unit Agreement Name		
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			San Juan 29-5 Unit ✓		
2. Name of Operator Phillips Petroleum Company			8. Well No. 231 (W) 321		
3. Address of Operator 300 W. Arrington, Suite 200, Farmington, N.M. 87401			9. Pool name or Wildcat Basin Fruitland Coal		
4. Well Location Unit Letter <u>K</u> : <u>1743</u> Feet From The <u>South</u> Line and <u>1432</u> Feet From The <u>West</u> Line Section <u>5</u> Township <u>29N</u> Range <u>5W</u> <u>NMPM</u> <u>Rio Arriba</u> County					
10. Proposed Depth 3525'		11. Formation Fruitland		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 6628' (GL Unprepared)		14. Kind & Status Plug. Bond Blanket		15. Drilling Contractor Advise Later	
16. Approx. Date Work will start Upon Approval					
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	36#, K-55	250'	250 Sxs	Circ to Surface
8-3/4"	7"	23#, K-55	3300	650 Sxs	Circ to Surface
6-1/8"	5-1/2"	15.5# or 23#	3200'-3525'		*

*If the coal is clefted a 5-1/2", 23#, P-110 liner will be run in the open hole without being cemented.

*If the coal is not clefted the well will be stimulated and a 5-1/2", 15.5#, J-55 liner will be run without being cemented.

APPROVAL EXPIRES 12-7-91
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

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JUN 6 1991

Use mud additives as required for control.
BOP Equipment: See attached schematic (Fig. 7-9 or 7-10)

OIL CON. DIV

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE L. E. Robinson TITLE Sr. Drlg. & Prod. Engr. DATE 5-31-91

TYPE OR PRINT NAME L. E. Robinson TELEPHONE NO.

(This space for State Use)

APPROVED BY [Signature] DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE 6-7-91
JUN 07 1991

CONDITIONS OF APPROVAL, IF ANY:

*Incorrectly
submitted
as fee sheet*

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1930, Hobbs, NM 88240

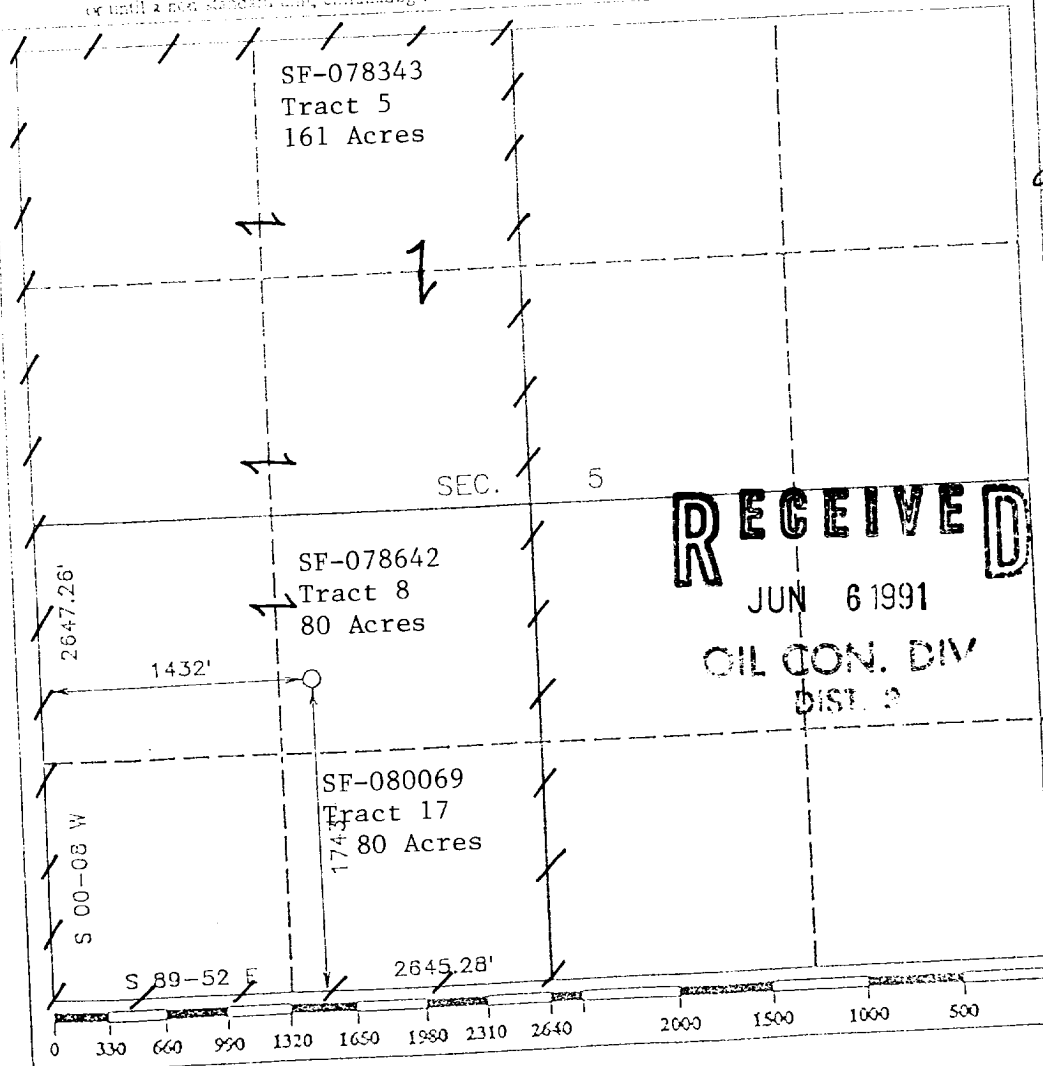
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1600 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

PHILLIPS PETROLEUM		SAN JUAN 29-5 UNIT		Well No.	231
Unit Letter	Section	Township	Range	County	
K	5	T.29 N.	R.5 W.	RIO ARRIBA COUNTY	
Actual Footage Location of Well:			1432	WEST	line
1743 feet from the					
Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:		
6628	Fruitland	Basin Fruitland Coal	321 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
 - If more than one lease is dedicated to the well, outline each and identify the ownership thereof (such as to working interest and royalty).
 - If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force pooling, etc.?
 - Yes No
 - If answer is "yes" type of consolidation: **Unitized**
- 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, force pooling, or otherwise) or until a non standard unit, eliminating such interest, has been approved by the Division.



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OIL CON. DIV
DIST. 2

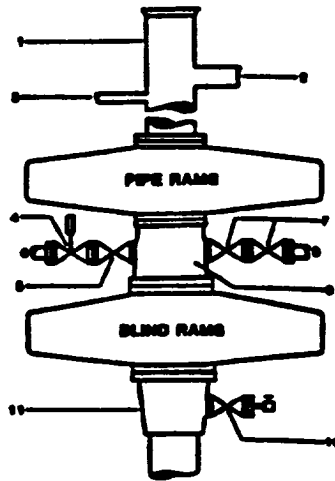
OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *L. E. Robinson*
Printed Name: **L. E. Robinson**
Position: **Sr. Drlg. & Prod. Engr.**
Company: **Phillips Petroleum Co.**
Date: **5-31-91**

SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes or 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: **5-31-91**
Signature: *[Surveyor Signature]*
Professional Seal: **PROFESSIONAL SURVEYOR**
STATE OF NEW MEXICO
BROADHURST, JR.
11393

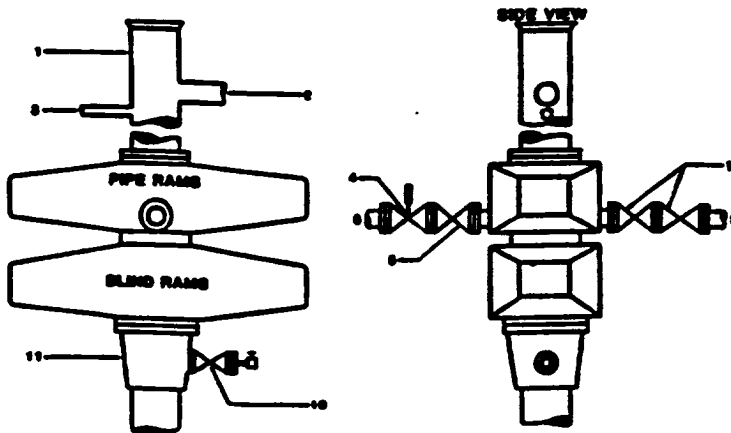
ALTERNATIVE



- 1. BELL NIPPLE
- 2. FLOW LINE
- 3. FILL-UP LINE
- 4. 2" FE PRESSURE OPERATED CHOKE LINE VALVE
- 5. 2" FE GATE VALVE
- 6. 2" FE CHOKE LINE TO MANIFOLD
- 7. 2" FE GATE VALVES
- 8. 2" FE KILL LINE
- 9. DRILLING SPOOL
- 10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
- 11. CASING HEAD HOUSING

NOTE: THE DRILLING SPOOL MAY BE LOCATED BELOW BOTH SETS OF RAMS IF A DOUBLE PREVENTER IS USED AND IT DOES NOT HAVE SUITABLE OUTLETS BETWEEN RAMS

Figure 7-9. Standard Hydraulic Blowout Preventer Assembly
3 M Working Pressure Alternative 1



- 1. BELL NIPPLE
- 2. FLOW LINE
- 3. FILL-UP LINE
- 4. 2" FE PRESSURE-OPERATED CHOKE LINE VALVE
- 5. 2" FE GATE VALVE
- 6. 2" FE CHOKE LINE TO MANIFOLD
- 7. 2" FE GATE VALVES
- 8. 2" FE KILL LINE
- 10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
- 11. CASING HEAD HOUSING

Figure 7-10. Standard Hydraulic Blowout Preventer Assembly
3 M Working Pressure Alternative 3 (without Drilling Spool)

