

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

SUBMIT IN DUPLICATE*

(See other
instructions
reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NM-25336

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

ZETA FEDERAL "23" 1

9. API WELL NO.

30-015-30691

10. FIELD AND POOL, OR WILDCAT

WILDCAT (CISCO & MORROW)

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

23-T20S-R21E

12. COUNTY OR
PARISH

EDDY

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☒

DRY ☐

Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒

WORK OVER ☐

DEEP-EN ☐

PLUG BACK ☐

DIFF. RESVR. ☐

Other _____

2. NAME OF OPERATOR

ARCO Permian

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1610, Midland, TX 79702

915-688-5570

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

660' FSL & 1800' FWL

At top prod. interval reported below

At total depth

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

7/24/99

16. DATE T.D. REACHED

8/18/99

17. DATE COMPL. (Ready to prod.)

8/20/99 (P&A)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4448' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8315'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

P&A 8/20/99

25. WAS DIRECTIONAL
SURVEY MADE

N

26. TYPE ELECTRIC AND OTHER LOGS RUN

MICRO-CFL, COMPENSATED NEUTRON

27. WAS WELL CORED

N

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8	36	1400	12-1/4	CIRC	NA

29. LINER RECORD

30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

P&A 8/20/99

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)	
						PLUGGED	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS - OIL RATIO
8/20/99							
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE REGULATORY COMPLIANCE ANALYST

DATE 10/6/00

*(See Instructions and Spaces for Additional Data 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.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH

DISTRICT II

P.O. Drawer DD, Artesia, NM 86211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name WILDCAT (CISCO AND MORROW)	
Property Code	Property Name ZETA FEDERAL "23"		Well Number 1	
OGRID No. 000990	Operator Name ARCO PERMIAN		Elevation 4448	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	23	20 S	21 E		660	SOUTH	1800	WEST	EDDY

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
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Dedicated Acres 160	Joint or Infill	Consolidation Code	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

<div style="text-align: center; margin-bottom: 20px;"><u>SEE DETAIL</u></div> <div style="display: flex; justify-content: space-between; align-items: center;"><div style="text-align: center;"><div style="display: flex; align-items: center; gap: 10px;"><div style="border-top: 1px solid black; width: 100px;"></div><div style="border-left: 1px solid black; width: 10px; height: 100px;"></div></div><div style="text-align: center;">1800'</div></div><div style="text-align: center; margin-top: 20px;"><div style="display: flex; align-items: center; gap: 10px;"><div style="border-top: 1px solid black; width: 100px;"></div><div style="border-left: 1px solid black; width: 10px; height: 100px;"></div></div><div style="text-align: center;">660'</div></div></div> <div style="text-align: center; margin-top: 20px;"><div style="display: flex; justify-content: space-around; width: 100px;">4410.3'4431.9'<div style="display: flex; align-items: center; justify-content: center; width: 100px;"><div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div></div>DETAIL</div></div>		<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">OPERATOR CERTIFICATION<p style="font-size: small; margin-top: 5px;"><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p><div style="margin-top: 10px;"><div style="display: flex; justify-content: space-between;"><div style="width: 60%;"></div><div style="width: 40%; text-align: right;">Signature</div></div><div style="margin-top: 5px;"><div style="display: flex; justify-content: space-between;"><div style="width: 60%;">LAURIE CHERRY</div><div style="width: 40%; text-align: right;">Printed Name</div></div><div style="margin-top: 5px;"><div style="display: flex; justify-content: space-between;"><div style="width: 60%;">REG. / COMP.</div><div style="width: 40%; text-align: right;">Title</div></div><div style="margin-top: 5px;"><div style="display: flex; justify-content: space-between;"><div style="width: 60%;">5/27/99</div><div style="width: 40%; text-align: right;">Date</div></div></div></div></div><div style="border: 1px solid black; padding: 5px;">SURVEYOR CERTIFICATION<p style="font-size: small; margin-top: 5px;"><i>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.</i></p><div style="text-align: center; margin-top: 10px;">MAY 12, 1999</div><div style="display: flex; justify-content: space-between; margin-top: 10px;"><div>Date Surveyed</div><div>DMCC</div></div><div style="margin-top: 10px;"><div style="display: flex; justify-content: space-between;"><div style="width: 60%;">Signature & Seal of Professional Surveyor</div><div style="width: 40%; text-align: right;">Professional Surveyor</div></div><div style="margin-top: 10px;"><div style="display: flex; justify-content: space-between;"><div style="width: 60%;"></div><div style="width: 40%; text-align: right;">514-99</div></div></div></div><div style="margin-top: 10px;"><div style="display: flex; justify-content: space-between;"><div style="width: 60%;">Certificate No. RONALD J. ELLISON</div><div style="width: 40%; text-align: right;">3239</div></div><div style="display: flex; justify-content: space-between;"><div style="width: 60%;">GARY ELLISON</div><div style="width: 40%; text-align: right;">12641</div></div><div style="display: flex; justify-content: space-between;"><div style="width: 60%;">RONALD J. ELLISON</div><div style="width: 40%; text-align: right;">12185</div></div></div></div></div></div>
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Patterson Drilling Company

410 N. Loraine Street — (915) 682-9401
Midland, Texas 79701

August 25, 1999

ARCO Permian
P. O. Box 1610
Midland, TX 79702

Re: Deviation Report
Zeta Federal "23" #1

Gentlemen:

The following is a deviation survey on the above-referenced well located in Eddy County, New Mexico.

288' – 1.50	4096' – 0.75
365' – 1.00	4470' – 0.50
839' – 1.50	4877' – 0.25
1378' – 2.50	5309' – 0.50
1470' – 2.00	5715' – 1.00
1610' – 1.75	6120' – 0.75
1770' – 2.00	6522' – 0.50
1960' – 1.25	6928' – 0.25
2312' – 0.75	7300' – 2.00
2580' – 1.25	7693' – 2.00
2889' – 1.25	8141' – 2.00
3294' – 1.50	8300' – 1.50
3695' – 0.75	

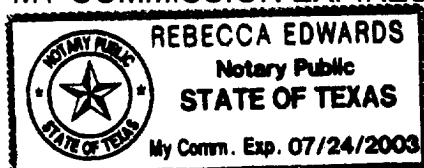
Sincerely,

Treva Forrester

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 25th day of August, 1999 by Treva Forrester.

MY COMMISSION EXPIRES:



NOTARY PUBLIC