Form 3160-4 (July 1992)

1a. TYPE OF WELL:

2. NAME OF OPERATOR

700'FNL, 2100'FEL

ARCO Permian

At surface

At total depth

15. DATE SPUDDED

9/2/98

8450

SEE ATTACHED

20. TOTAL DEPTH, MD & TVD

b. TYPE OF COMPLETION: NEW X

3. ADDRESS AND TELEPHONE NO.

At top prod. interval reported below

26. TYPE ELECTRIC AND OTHER LOGS RUN

<u>P</u>.O. Box 1610, Midland, TX 79702

16. DATE T.D. REACHED

83841

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)4

9/15/98

## UN. \_D STATES DEPARTMENT OF THE INTERIOR · ·

SUBMIT IN DUPLIC.

000 - ARTLSIA

BATE

3490'

BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

G'YS

PLUG E

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

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

OIL X

DEEP-

structions on reverse side)

FORM APPROVED OMB NO. 1004-0137 Expires: February 28, 1995 5. LEASE DESIGNATION AND SERIAL NO NM-22080 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME, WELL NO. BARCLAY FEDERAL 19 9. API WELL NO. 30-015-30284 10. FIELD AND POOL, OR WILDCAT LIVINGSTON RIDGE (DEL) 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 12-T23S-R31E 12. COUNTY OR PARISH 13. STATE **EDDY** NM 19. ELEV. CASINGHEAD 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 23. INTERVALS ROTARY TOOLS CABLE TOOLS DRILLED BY X 25. WAS DIRECTIONAL SURVEY MADE N

27. WAS WELL CORED

MICRO-CFL, COMPENSATED NEUTRON CASING RECORD (Report all strings set in well) DEPTH SET (MD) CASING SIZE/GRADE WEIGHT, LB./FT. **HOLE SIZE** TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED 858 17 - 1/213-3/8 48 CIRC NA 8-5/8 32 4459 11 CIRC NΑ 7-7/8 5-1/2 17 8447 4400'TS NA

22. IF MULTIPLE COMPL.,

HOW MANY

Other

DRY

14. PERMIT NO.

17. DATE COMPL.(Ready to prod.)

9/20/98

LINER RECORD TUBING RECORD 30. BOTTOM (MD) DEPTH SET (MD) SACKS CEMENT\* TOP (MD) SCREEN (MD) SIZE SIZE PACKER SET (MD) 2-7/8 6962 ACCEPTED FOR RECORD 31. PERFORATION RECORD(In ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC SEE ATTACHED DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED OCT 3 0 1998 ORIG. SGD. LES BAB SEE ATTACHED BLM

PRODUCTION WELLSTATUS (Producing or PRODUCTION METHODFlowing, gas lift, pumping - size and type of pump) DATE FIRST PRODUCTION shut-in) PRODUCING 9-20-98 PUMPING WATER - BBL. GAS - OIL RATIO DATE OF TEST HOURS TESTED **CHOKE SIZE** PROD'N, FOR OIL - BBL. GAS - MCF. TEST PERIOL 10/7/98 24 120 90 540 FLOW, TUBING PRESS. GAS - MCF. WATER - BBL OIL GRAVITY - API (CORR.) CASING PRESSURE CALCULATED OIL - BBL 36.0 300 80 TEST WITNESSED BY 34. DISPOSITION OF GAS(Sold, used for fuel, vented, etc.) SOLD

35. LIST OF ATTACHMENTS

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

SIGNED

TITLE REGULATORY COMPLIANCE

DATE 10/13/98

	BONE SPRING	DELAWARE	FORMATION	37. SUMMARYOR drill-stem tests, recoveries):
	8384	4485* .	TOP	FPOROUSZONES, includingdepthin
•			ВОТТОМ	3: (Showall importanto) tervaltested, cushionuse
			DESCRIPTION, CONTENTS, ETC.	SUMMARY OF POROUSZONES: (Showall important ones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth intervaltes ted, cushionused, time toolopen, flowing and shut-impressures, and recoveries):
		NAME		38. <b>G</b> EO
		MEAS. DEPTH	T)	GEOLOGIC MARKERS
		TRUE VERT. DEPTH	TOP	S

ATTACHMENT TO FORM 3160-4 BARCLAY FEDERAL #19 API # 30-015-30284

24. 6401-6411 – 21 HOLES, 6777-6782 – 6 HOLES; 6632-6637 – 6 HOLES; 6622-6624 – 3 HOLES; 6974-7078 – 12 HOLES; 7211-7222 – 12 HOLES

#### 31. SEE #24

32. 7211-7222 FRAC W/2000 GAL 15%; 17500 GAL VIK I-25, 435000 #SD 6974-7078 FRAC W/1000 GAL 15%; 37500 GAL VIK I-25, 95000 #SD 6622-6782 FRAC W/1000 GAL 15%; 25000 GAL VIK I-25; 61000 #SD 6401-6411 FRAC W/1000 GAL 15%; 12500 GAL VIK I-25; 30500 #SD

# State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV

#### OIL CONSERVATION DIVISION

P.O. Box 2088

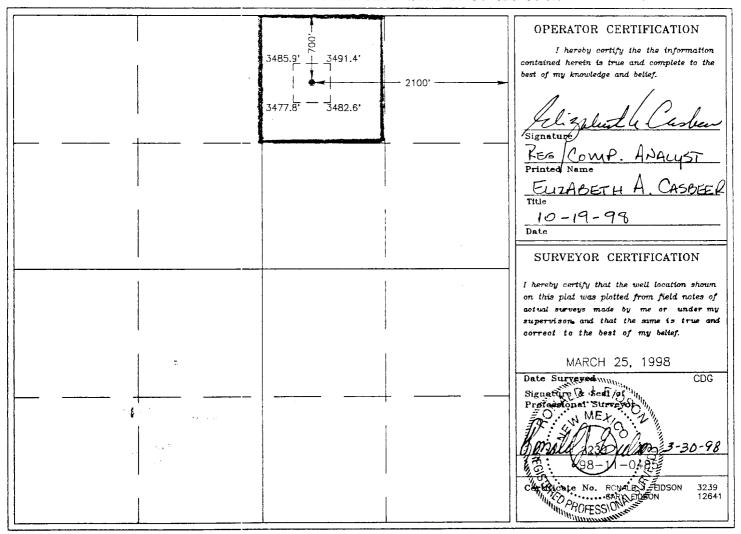
Santa Fe, New Mexico 87504-2088 P.O. BOX 2088, SANTA FE, N.M. 87504-2088

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number			Pool Code		Pool Name			
30-015-30294		393	60		LIVINGSTON RID		CE (DEL)		
Property Code			Property Name		Well Number				
2086	0	BARCLAY F			ARCLAY FED	FEDERAL		19	
OGRID N	0.	Operator Name				ne	Elevation		
000	790		ARCO PERMIAN				3490'		
Surface Location									
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	12	23 S	31 E		700	NORTH	2100	EAST	EDDY
			Bottem	Hole Loc	eation If Diffe	erent From Sur	face	1	1
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres   Joint or Infill   Consolidation Code   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



# **RECEIVED**

APR 01 1998

LAND ADMINISTRATION

# STATE OF NEW MEXICO DEVIATION REPORT

256	1/2
529	3/4
820	1-1/4
1,339	2
1,432	1-3/4
1,684	1-1/4
1,976	3/4
2,453	3/4
2,931	1/2
3,430	1/4
3,904	1-3/4
4,031	2
4,126	1-1/2
4,250	2
4,314	1-1/2
4,376	1-3/4
4,440	1
4,950	1-3/4
5,426	1-1/4
5,924	1/2
6,400	1/4
6,873	1/4
7,344	1
7,635	1-1/4
8,134	1-1/2
8,418	1

By: Ray Peterson

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me this \_21st day of \_September \_\_\_, 19\_98\_, by RAY PETERSON on behalf of PETERSON DRILLING COMPANY.\_\_\_\_\_/

Notary Public for Midland

My Commission Expires: 8/2/2000 County, Texas

