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UNITED STATES

NM OIL &amp; GAS COMMISSION

Form approved.  
Budget Bureau No. 42-R355.5.

NOV 9 1982

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYArtesia, NM 88210  
Drawer DD  
(See instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM 16820

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Amoco Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Bunker Hill (Penrose)

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

Section 23, T16S, R31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1a. TYPE OF WELL

OIL WELL

☒

GAS WELL

☐

DRY

Other

b. TYPE OF COMPLETION:

NEW WELL

☒

WORK OVER

☐

DEEP-EN

☐

PLUG BACK

☐

DIFF. RESER.

☐

Other

2. NAME OF OPERATOR

C.E. LaRue &amp; B.N. Muncy, Jr.

3. ADDRESS OF OPERATOR

PO Box 196 Artesia, NM 88210

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

At surface 990' FSL &amp; 660' FEL Section 23, T16S, R31E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

NOV 4 1982

15. DATE SPUDDED

9-24-82

16. DATE T.D. REACHED

10-5-82

17. DATE COMPL. (Ready to prod.)

10-23-82

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

4383.6

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

4120'

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

4000'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

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

3606'-3626' Penrose

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Laterolog-Compensated Densilog Neutron-Gamma Ray

27. WAS WELL CORED

NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1271'	12 3/4"	500 Sacks	Circulated
5 1/2"	15 1/2#	4120'	7 7/8"	310 Sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	3689'	

31. PERFORATION RECORD (Interval, size and number)

44 1/2" Holes--3606'-3626'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3606'-3626'	500 Gallons 15% Acid-30,000 Gallons Gelled Water w/55,000# 10/20 Sand.

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
October 28, 1982		Pumping					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
11-1-82	24	2"	→	35	20	-0-	.	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→	35	20	-0-	34		

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

Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

(ORIG. SGD.) DAVID R. GLASS

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

SIGNED

TITLE

Operator

DATE 11-3-82

U.S. GEOLOGICAL SURVEY

\* (See Instructions and Spaces for Additional Data on Reverse Side)

## INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

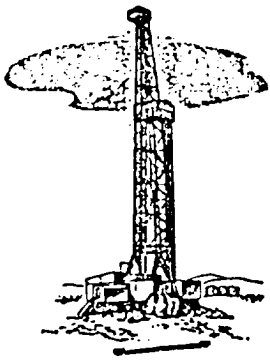
**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

### 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
Sandstone	3606	3628	Oil Bearing	Yates	2722
Sandstone	4017	4052	Oil Bearing	Queen	3336
				Grayburg	3650
				San Andres	4052



OIL CONS. COMMISSION  
Drawer DB  
Artesia, NM 88210

Telephone 505-748-2205

**L & M DRILLING, INC. - Oil Well Drilling Contractors**

P. O. BOX 672

ARTESIA, NEW MEXICO 88210

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NOV 4 1982

O. C. D.  
ARTESIA, OFFICE

October 27, 1982

Yates Petroleum Corporation  
207 South Fourth Street  
Artesia, NM 88210

RE: Amoco Federal #1  
S $\frac{1}{2}$ , SE $\frac{1}{4}$   
Sec. 23, T16S, R31E  
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
596'	1/4 <sup>o</sup>
1271'	1/4 <sup>o</sup>
2081'	1/4 <sup>o</sup>
2643'	1/2 <sup>o</sup>
3278'	1/2 <sup>o</sup>
3541'	3/4 <sup>o</sup>
4120'	3/4 <sup>o</sup>

RECEIVED

OCT 29 1982

Very truly yours,

B. N. Muncy Jr.  
President

OIL & GAS  
MINERALS MGMT. SERVICE  
ROSWELL, NEW MEXICO

STATE OF NEW MEXICO  
COUNTY OF EDDY

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The foregoing was acknowledged before me this 27th day of October, 1982.

