

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DRAWING TO BE SUBMITTED IN DUPLICATE

Artesia, NM 88210

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.5. 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.

ARTESIA, OFFICE 12

10. FIELD AND POOL, OR VICINITY

Bunker Hill Penrose Assoc.

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. RESVR. ☐Other ☐

2. NAME OF OPERATOR

C.E. LaRue and B.N. Muncy, Jr.

3. ADDRESS OF OPERATOR

P.O. Box 196, Artesia, NM 88210

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

At surface

1780' GL & 1980' FWL Section 23, T16S, R31E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

3/15/83

16. DATE T.D. REACHED

3/24/83

17. DATE COMPL. (Ready to prod.)

4/10/83

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

4217' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

3524'

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

3524'

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)*

Penrose - 3442' - 3462'

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Laterolog Gamma Ray-Compensated Densilog Neutron

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#	1104'	12 1/4"	450 Sacks	Circulated
5 1/2"	15 1/2#	3520'	7 7/8"	300 Sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	3450'	

31. PERFORATION RECORD (Interval, size and number)

3452' - 3468' 2 per ft. 1/2"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3452' - 3468'	500 gel 15% acid
	40,000 gals gelled water
	70,000# 10-20 sand

33.* PRODUCTION

35.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
4/10/83		Swab					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
4/11/83	24	2"	→	37	20	1		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→	40-37	20	0-1	34		

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

Used for fuel

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS

APR 19 1983

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

SIGNED

TITLE

Operator, NEW MEXICO

DATE April 12, 1983

*(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.

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:				38. GEOLOGIC MARKERS	
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.	NAME	MEAS. DEPTH TRUE VERT. DEPTH
Penrose	3442'	3462'	Porosity, permeability, oil stain	Seven Rivers Queen	2280' 2910'

ARTESIA FISHING TOOL COMPANY

P. O. BOX 647 PHONE (505) 749-6651

ARTESIA, NEW MEXICO 88210

March 31, 1983

LaRue & Muncy
PO Box 196
Artesia, NM 88201

Re: Amoco Federal #2
940' FSL & 2050' FEL
Sec. 23, T16S, R31E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
449'	1/4°
1099'	1/4°
1503'	1/4°
2003'	3/4°
2500'	1/2°
3000'	3/4°
3503'	3/4°
3522'	3/4°

Very truly yours,



B. N. Muncy Jr.
Secretary

STATE OF NEW MEXICO
COUNTY OF EDDY

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The foregoing was acknowledged before me this 31st day of March, 1983.

