

District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Instruction on back
Submit to Appropriate District Office
5 Copies

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address ARCH PETROLEUM INC. 10 DESTA DRIVE, STE. 420E, MIDLAND TX 79705		² OGRID Number 000962
		³ Reason for Filing Code NW -FEBRUARY 1997
⁴ API Number 30 - 025-33550	⁵ Pool Name FOWLER ABO	⁶ Pool Code 96455
⁷ Property Code 014915	⁸ Property Name LILLIE	⁹ Well Number 5

II. ¹⁰ Surface Location

UI or Lot. No. F	Section 23	Township 24S	Range 37E	Lot Idn.	Feet from the 2100	North/South Line NORTH	Feet from the 1800	East/West Line WEST	County LEA
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¹¹ Bottom Hole Location

UI or Lot. No.	Section	Township	Range	Lot Idn.	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Lse Code P	¹³ Producing Code P	Method	¹⁴ Gas Date 3/2/97	Connection	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
007440	EOTT ENERGY OPERATING LP P. O. BOX 1660, MIDLAND, TX 79702	718310	O	
020809	SID RICHARDSON CARBON 201MAIN ST,STE.2300 FT.WORTH,TX76102	718330	G	

IV. Produced Water

²³ POD 718350	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date 1-31-97	²⁶ Ready Date 2-25-97	²⁷ TD 6500'	²⁸ PBTD 6460'	²⁹ Perforations 6313'-6425'
³⁰ Hole Size 11"	³¹ Casing & Tubing Size 8-5/8"	³² Depth Set 1005'	³³ Sacks Cement 100 SX. CL. "H", 400 SX.CL."C", CIRC. 180 SX 1600 SX."CL",CIRC.25 SX.	
7-7/8"	4-1/2"	6493'		
	2-3/8"	6419'		

VI. Well Test Data

³⁴ Date New Oil 2-26-97	³⁵ Gas Delivery Date 3-2-97	³⁶ Test Date 3-12-97	³⁷ Test Length 24	³⁸ Tbg. Pressure	³⁹ Csg. Pressure 40#
⁴⁰ Choke Size 18	⁴¹ Oil	⁴² Water 109	⁴³ Gas 50	⁴⁴ AOF	⁴⁵ Test Method PUMPING

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Bobbie Brooks*

Printed Name:
BOBBIE BROOKS

Title:
PRODUCTION ANALYST

Date:
3-18-97

Phone:
915-685-1961

OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY JERRY SEXTON**

Title: **DISTRICT I SUPERVISOR**

Approved Date: **MAR 27 1997**

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

16. MO/DAYR of the C-129 approval for this completion.
17. MO/DAYR of the expiration of C-129 approval for this completion.
18. The gas or oil transporter's OGRID number.
19. Name and address of the transporter of the product.
20. The number assigned to the POD from which this product will be transported by this transporter. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.
21. Product code from the following table:

O Oil
G Gas

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

State of New Mexico
Energy, Minerals and Natural Resources Department.

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

Form C-105
Revised 1-1-89

WELL API NO. 30-025-33550	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No. 14915	
7. Lease Name or Unit Agreement Name Lillie	
8. Well No. 5	
9. Pool name or Wildcat Fowler Abo	

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 ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator
Arch Petroleum Inc.

3. Address of Operator
10 Desta Drive, Suite 420E, Midland, TX 79705

4. Well Location
Unit Letter F: 2100 Feet From The North Line and 1800 Feet From The West Line

Section 23 Township 24S Range 37E NMPM Lea County

10. Date Spudded 1-31-97	11. Date T.D. Reached 2-17-97	12. Date Compl. (Ready to Prod.) 2-25-97	13. Elevations (DF & RKB, RT, GR, etc.) KB= 3213.5' GR= 3200'	14. Elev. Casinghead
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15. Total Depth 6500'	16. Plug Back T.D. 6460'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools X	Cable Tools
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19. Producing Interval(s), of this completion - Top, Bottom, Name
6313' - 6425' Abo

20. Was Directional Survey Made
No

21. Type Electric and Other Logs Run
GR - PDL - CNL - CL - DLL - MLL

22. Was Well Cored
No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23	1005'	11"	100sx ci "H"	
4-1/2"	11.6#	6493'	7-7/8"	400sx ci "C", circ	180sx
				1600sx ci "C", circ	25sx

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6419'	

26. Perforation record (interval, size, and number) 6313, 21, 34, 42, 46, 50, 57, 67, 72, 78, 85, 6401, 04, 25, (2- 1/2" JHPF, total 28 holes)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6313'-6425'	2900 gal 15% NEFE HCL

28. PRODUCTION							
Date First Production 2-26-97		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - 1-1/2" Rod pump				Well Status (Prod. or Shut-in) Prod	
Date of Test 3-12-97	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 18	Gas - MCF 50	Water - Bbl. 109	Gas - Oil Ratio 2,778
Flow Tubing Press.	Casing Pressure 40	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 36.5	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Test Witnessed By

30. List Attachments
Logs & Deviation Report

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Bobbie Brooks Printed Name Bobbie Brooks Title Production Analyst Date

1010	2316	1306	Salt & Anhydrite
3313	3510	197	Sand & Anhydrite
3510	6500	2990	Dolomite & Anhydrite