

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

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

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-107
Revised 4-1-91

Filing Instructions
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APPLICATION FOR MULTIPLE COMPLETION

ARCH PETROLEUM INC.

10 DESTA DRIVE, SUITE 420E, MIDLAND, TX 79705

Operator

Address

C. D. WOOLWORTH

6

0

30-24S-37E

LEA

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

All applicants for multiple completion must complete items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	JALMAT YATES 7RQ		LANGLIE MATTIX 7RQ
b. Top and Bottom of Pay Section (Perforations)	3179-3408'		3479-3602'
c. Type of production (Oil or Gas)	OIL		OIL
d. Method of Production (Flowing or Artificial Lift)	PUMP		PUMP
e. Daily Production ☒ Actual ☐ Estimated Oil Bbls. Gas MCF Water Bbls.	7 46 38		9 40 33

2. The following must be attached:

- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

OPERATOR:

I hereby certify above information is true and complete to best of my knowledge, and belief.

Signature Bobbie Brooks

Printed Name & Title BOBBIE BROOKS PROD. ANALYST

Date 10/18/95 Telephone 915/685-1961

OIL CONSERVATION DIVISION

Approved by: FOR RECORD ONLY

Title: _____

Date: OCT 19 1995

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

FILING INSTRUCTIONS:

- District Approval - See rule 112-A-B - Submit 4 copies of Form C-107 with attachments to appropriate district office.
- Division Director Administrative Approval - See Rule 112-C - Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.
- Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-6.

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator ARCH PETROLEUM INC.		County LEA		Date 10-4-95
Address 10 DESTA DRIVE, STE., 420E, MIDLAND, TX 79705		Lease C.D.WOOLWORTH		Well No. 6
Location of Well	Unit 0	Section 30	Township 24S	Range 37E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO
2. If answer is yes, identify one such instance: Order No. Permit # R-7807, Operator Lease, and Well No.: ARCO PETROLEUM C.D.Woolworth #7

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Jalmat Yates & 7RQ		Langlie Mattis 7RQ
b. Top and Bottom of Pay Section (Perforations)	3179-3408'		3479-3602'
c. Type of production (Oil or Gas)	Oil		Oil
d. Method of Production (Flowing or Artificial Lift)	Pump		Pump

4. The following are attached. (Please check YES or NO)

Yes	No	
☒	☐	a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
☒	☐	b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
☒	☐	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* mailed certified RRR.
☒	☐	d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Conoco, Inc. P. O. Box 2197, Houston, Tx 77079-1175
Lanexco, P. O. Box 2730, Midland, Texas 79702-2730
ARCO Permian, P. O. Box 1610, Midland, TX 79702-1610
Doyle Hartman, 500 N. Main, Midland, Texas 79701
Meridian Oil Inc., P. O. Box 4239, Houston, TX 77210-4239
Texaco E & P, Inc., 4601 DTC Blvd., Denver, CO 80237-2549

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO . If answer is yes, give date of such notification: 10-4-95

CERTIFICATE: I, the undersigned, state that I am the production analyst of the Arch Petroleum Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

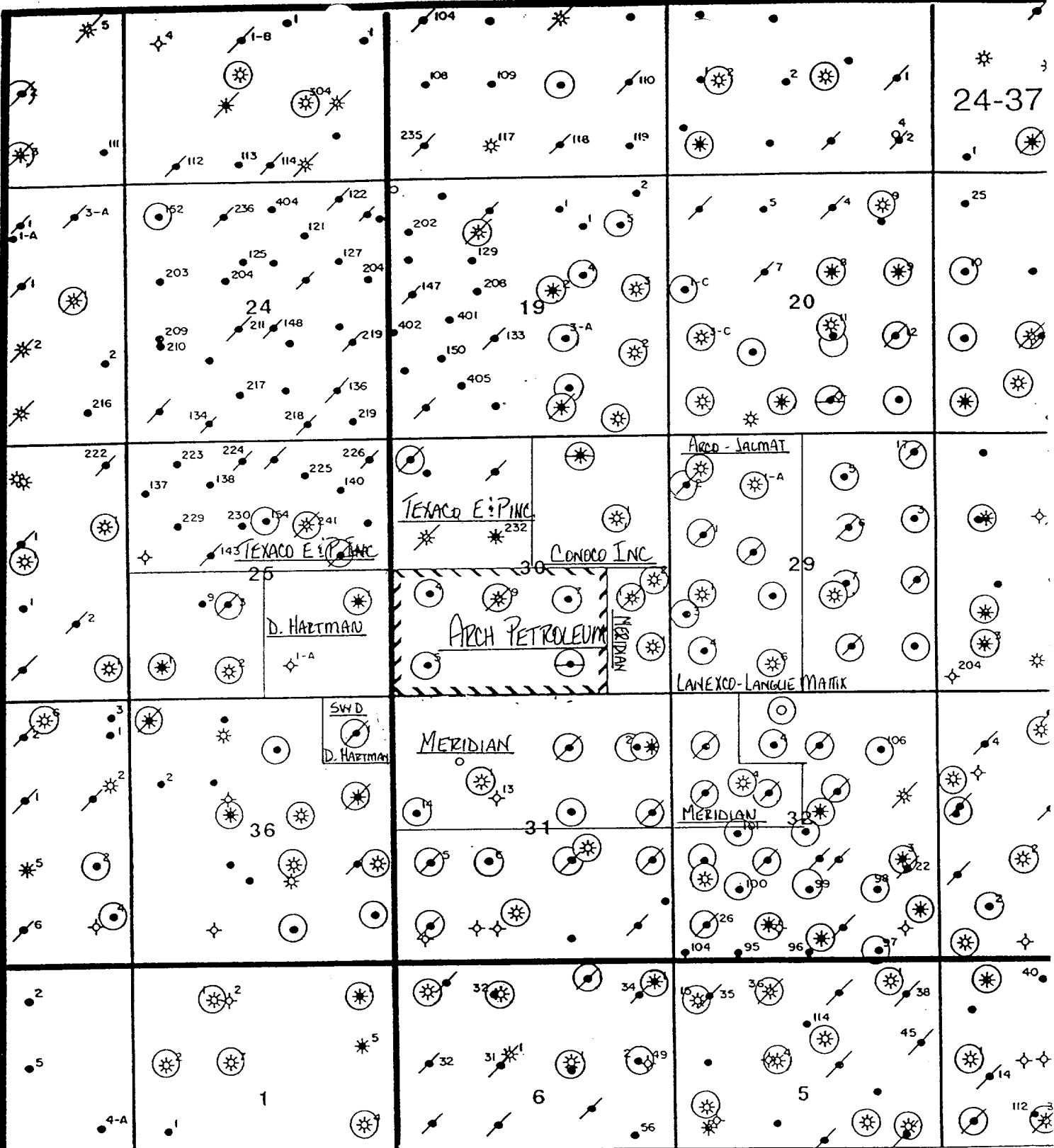
Bahne Brooks
Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.



24-37



C.D. WOOLWORTH LEASE





Arch Petroleum Inc.

**CERTIFIED-RETURN RECEIPT
REQUESTED**

October 4, 1995

Re: DHC - C. D. Woolworth #6
Unit O, Sec. 30, T24S, R37E,
Lea County, New Mexico

To: All offset operators

We are enclosing a copy of our application to downhole commingle the Jalmat and Langlie Mattix zones in the above well.

Please sign and return a copy of this letter to us within 20 days.

Your attention to this will be appreciated.

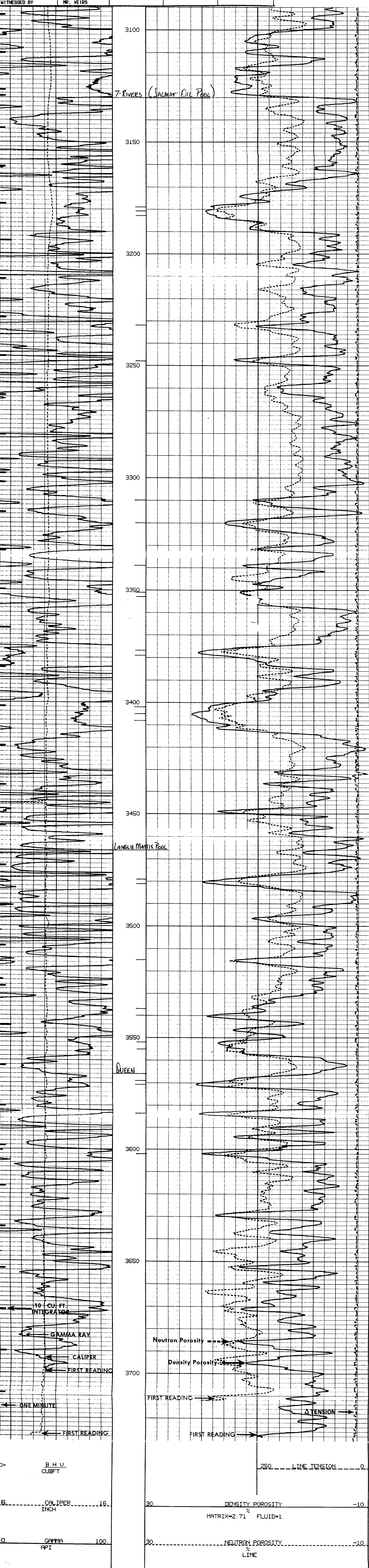
Sincerely,

Bobbie Brooks
Production Analyst

AGREED AND SIGNED THIS _____ DAY OF _____, 1995.

COMPENSATED DENSITY DUAL SPACED NEUTRON LOG

COMP	GULF OIL EXPLORATION AND PRODUCTION COMPANY
WELL	C. D. WOOLWORTH NO. 6
FIELD	JALMAT AND LANGLIE-MARTIX
COUNTY	LEA
STATE	N. M.
API NO.	30-025-28731
LOCATION	660 FSL AND 1960 FEL GULF REF. NO. DU 7285
OTHER SERVICES	DUAL GUARD FORXO
SEC. 30	TWP. 24-S
RGE.	37-E
PERMANENT DATUM	GROUND LEVEL
LOG MEASURED FROM	KELLY BUSHING
DRILLING MEASURED FROM	KELLY BUSHING
DATE	JUNE 6, 1984
RUN NO.	ONE
DEPTH-DRILLER	3750
DEPTH-MELEX	3755
BTM. LOG INTER.	3730
TOP LOG INTER.	SURFACE
CASING-DRILLER	10-3/4" # 4B2
CASING-MELEX	4B2
BIT SIZE	9-1/2"
TYPE FLUID IN HOLE	BRINE
DENS. : VISC.	10 : 28
PH : FLUID LOSS	9.5 : N.C. ML
SOURCE OF SAMPLE	PIT
RH # MEAS. TEMP.	0.86 # 78 F
RMF # MEAS. TEMP.	0.85 # 78 F
RMC # MEAS. TEMP.	0.87 # 78 F
SOURCE RMF RMC	MEAS. : MEAS.
RM # BHT	0.84 # 100 F
TIME SINCE CIRC.	9 HOURS
TIME ON BOTTOM	8:35 P.M.
MAX. REC. TEMP.	100 F @ B.H.
EQUIP. : LOCATION	2919 : HOBBS
RECORDED BY	MOHAMMAD AZARIAN



Lease	C. D. Woolworth		Well No.	6	
Location	660	FSL	and	1960	FEL
Unit	Section		30	Township	24S
Range	37E	County	Lea	State	New Mexico

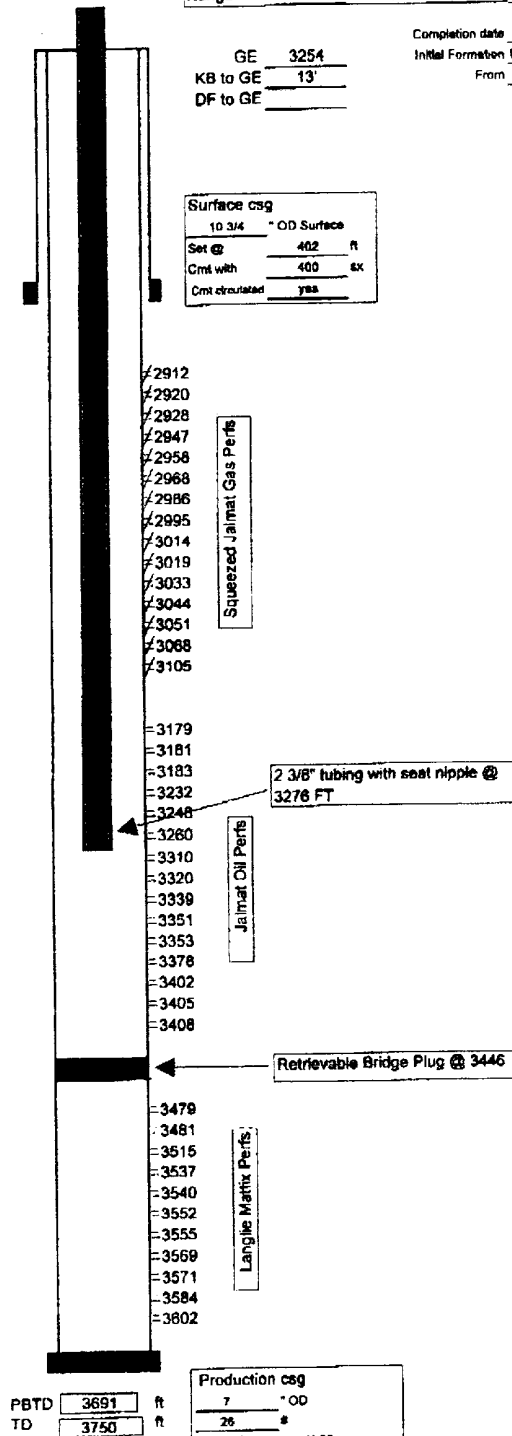
Completion date 10-Oct-94

Initial Formation Langhe Matrix

From 3479 to 3602

GE 3254
 KB to GE 13'
 DF to GE

Surface csg	
10 3/4" OD Surface	
Set @	402 ft
Cmt with	400 sx
Cmt circulated	yes



Production csg	
7" OD	
26"	
Grade	K-55
Set @	3749 ft
Cmt with	455 sx
TOC @	Surface ft by TB