

**GALLEGOS LAW FIRM**

A Professional Corporation

460 St. Michael's Drive  
Building 300  
Santa Fe, New Mexico 87505  
Telephone No. (505) 983-6686  
Telefax No. (505) 986-0741 or (505) 986-1367

**CLIENT: Fulfer**  
**CLIENT NO.: 04-359.00**

**DATE: May 19, 2004**

**TO: MICHAEL E. STOGNER**

**COMPANY: NMOCD**

**TELEFAX NO.: 476-3462**

**FROM: J. GALLEGOS**

**MESSAGE: Per our conversation.**

**NUMBER OF PAGES INCLUDING COVER SHEET: 2**

**IMPORTANT**

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## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

Rick Jaspas  
Arch Petroleum Inc  
POB 10340  
Midland, Texas 79702-7340

Ref: API 30-025-36188 CE Lemunyon #78 ✓  
API 30-025-22472 CE Lemunyon #32 ✓  
API 30-025-22402 CE Lemunyon #23 ✓

It has come to our attention that these wells were recently completed in the Jalmat Pool. We have no record of either intent to plug back to these intervals or a completion paperwork describing the work done. It is my understanding that these wells have been perforated from approximately 2500 feet to 2850 feet. These three wells shall be shut in immediately upon receipt of this letter and shall remain shut in until we receive the proper permits. The gas produced from these wells at this time could be considered illegal gas production and Arch Petroleum Inc. could be subject to fines and penalties up to \$ 1000.00/day/well/incident.

Sincerely

NMOCD District 1 Supervisor

COUNTY LeaPOOL Talmat Gas

(T-Y-SR)

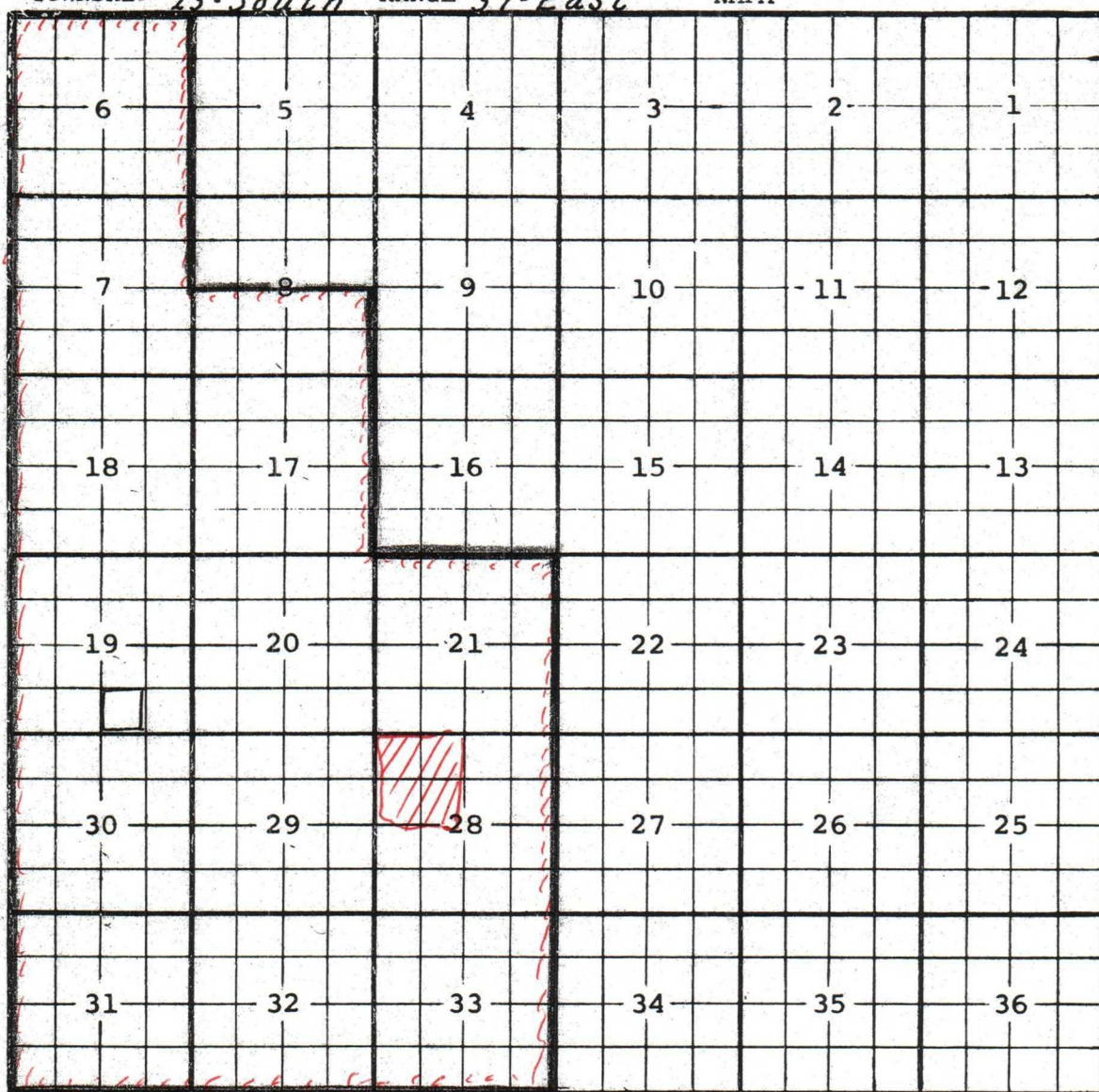
TOWNSHIP

23-South

RANGE

37-East

NMFM



Description: All Secs. 6 & 7;  $\frac{1}{2}$  Sec. 8; All Secs. 17 thru 21;  
All Secs. 28 thru 33, (R-520, 8-12-54).

Contract vertical limits to a subsurface depth of 3362 feet  $\frac{SW}{4}$   $\frac{SE}{4}$  Sec. 19  
(A-6618, 3-6-81)

District RC  
PO Drawer DD, Artesia, NM 88211-0719

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

Instruction on back  
Submit to Appropriate District Office  
5 Copies

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

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

☐ AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

|                                                                                                                                      |                                                     |                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------|
| <sup>1</sup> Operator Name and Address<br><b>ARCH PETROLEUM INC.</b><br><b>10 DESTA DRIVE, STE. 420E</b><br><b>Midland, TX 79705</b> |                                                     | <sup>2</sup> OGRID Number<br><b>000962</b>                                   |
|                                                                                                                                      |                                                     | <sup>3</sup> Reason for Filing Code<br><b>CHANGE OF POD EFFECTIVE 4-1-96</b> |
| <sup>4</sup> API Number<br><b>30-025-22472</b>                                                                                       | <sup>5</sup> Pool Name<br><b>TEAGUE BLINBRY</b>     | <sup>6</sup> Pool Code<br><b>58300</b>                                       |
| <sup>7</sup> Property Code<br><b>014898</b>                                                                                          | <sup>8</sup> Property Name<br><b>C. E. LAMUNYON</b> | <sup>9</sup> Well Number<br><b>32</b>                                        |

**II. <sup>10</sup> Surface Location**

| UI or Lot No. | Section   | Township   | Range      | Lot Idn. | Feet from the | North/South Line | Feet from the | East/West Line | County     |
|---------------|-----------|------------|------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>C</b>      | <b>28</b> | <b>23S</b> | <b>37E</b> |          | <b>660</b>    | <b>NORTH</b>     | <b>1980</b>   | <b>WEST</b>    | <b>LEA</b> |

**III. <sup>11</sup> 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 |
|------------------------------------|------------------------------------------|-------------------------------------|---------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------|----------------|--------|
|                                    |                                          |                                     |                                             |                                   |                                    |                                     |               |                |        |
| <sup>12</sup> Lse Code<br><b>F</b> | <sup>13</sup> Producing Code<br><b>P</b> | <sup>14</sup> Method<br><b>1/92</b> | <sup>15</sup> Gas Connection<br><b>1/92</b> | <sup>16</sup> C-129 Permit Number | <sup>17</sup> C-129 Effective Date | <sup>18</sup> C-129 Expiration Date |               |                |        |

**III. Oil and Gas Transporters**

| <sup>18</sup> Transporter OGRID | <sup>19</sup> Transporter Name and Address                                                         | <sup>20</sup> POD | <sup>21</sup> O/G | <sup>22</sup> POD ULSTR Location and Description |
|---------------------------------|----------------------------------------------------------------------------------------------------|-------------------|-------------------|--------------------------------------------------|
| <b>002440</b>                   | <b>EOTT ENERGY PIPELINE LTD.</b><br><b>PARTNERSHIP, P. O. BOX 1660</b><br><b>MIDLAND, TX 79702</b> | <b>709610</b>     | <b>O</b>          |                                                  |
| <b>020809</b>                   | <b>SID RICHARDSON</b><br><b>201 MAIN ST.</b><br><b>FORT WORTH, TX 76102</b>                        | <b>709630</b>     | <b>G</b>          |                                                  |
|                                 |                                                                                                    |                   |                   |                                                  |
|                                 |                                                                                                    |                   |                   |                                                  |
|                                 |                                                                                                    |                   |                   |                                                  |

**IV. Produced Water**

| <sup>23</sup> POD | <sup>24</sup> POD ULSTR Location and Description |
|-------------------|--------------------------------------------------|
| <b>709650</b>     |                                                  |

**V. Well Completion Data**

| <sup>25</sup> Spud Date | <sup>26</sup> Ready Date           | <sup>27</sup> TD        | <sup>28</sup> PBD          | <sup>29</sup> Perforations |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|
|                         |                                    |                         |                            |                            |
| <sup>30</sup> Hole Size | <sup>31</sup> Casing & Tubing Size | <sup>32</sup> Depth Set | <sup>33</sup> Sacks Cement |                            |
|                         |                                    |                         |                            |                            |
|                         |                                    |                         |                            |                            |
|                         |                                    |                         |                            |                            |

**VI. Well Test Data**

| <sup>34</sup> Date New Oil | <sup>35</sup> Gas Delivery Date | <sup>36</sup> Test Date | <sup>37</sup> Test Length | <sup>38</sup> Tbg. Pressure | <sup>39</sup> Csg. Pressure |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
|                            |                                 |                         |                           |                             |                             |
| <sup>40</sup> Choke Size   | <sup>41</sup> Oil               | <sup>42</sup> Water     | <sup>43</sup> Gas         | <sup>44</sup> AOF           | <sup>45</sup> Test Method   |
|                            |                                 |                         |                           |                             |                             |

<sup>46</sup> 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:  
**APRIL 16, 1996**

Phone:  
**915-685-1961**

**OIL CONSERVATION DIVISION**

Approved by: **ORIGINAL SIGNED BY JERRY SEXTON**  
**DISTRICT I SUPERVISOR**

Title:

Approved Date:

**APR 19 1996**

<sup>47</sup> 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

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT

Report all gas volumes at 15,025 PSIA at 60°.  
Report all oil volumes at the nearest whole barrel.

A request for allowance for a newly drilled or deepened well must be accompanied by a statement of the deviation tests conducted in accordance with Rule 111.

All sections of this form must be filled out for allowable requests on new and recompleted wells.

Fill out only sections I, II, III, IV, and the operator certifications for changes of operator, property name, well number, transporter, or other such changes.

A separate C-104 must be filed for each pool in a multiple completion.

Improperly filled out or incomplete forms may be returned to operators unapproved.

1. Operator's name and address
2. Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
3. Reason for filing code from the following table:  

|    |                                                       |
|----|-------------------------------------------------------|
| NW | New Well                                              |
| RC | Recompletion                                          |
| CH | Change of Operator                                    |
| AO | Add oil/condensate transporter                        |
| CO | Change oil/condensate transporter                     |
| AG | Add gas transporter                                   |
| CG | Change gas transporter                                |
| RT | Request for test allowable (include volume requested) |

If for any other reason write that reason in this box.
4. The API number of this well
5. The name of the pool for this completion
6. The pool code for this pool
7. The property code for this completion
8. The property name (well name) for this completion
9. The well number for this completion
10. The surface location of this completion NOTE: If the United States government survey designates a Lot Number for this location use that number in the "UL or lot no." box. Otherwise use the OCD unit letter.
11. The bottom hole location of this completion
12. Lease code from the following table:  

|   |                    |
|---|--------------------|
| F | Federal            |
| S | State              |
| P | Fee                |
| J | Jicarilla          |
| N | Navajo             |
| U | Ute Mountain Ute   |
| I | Other Indian Tribe |
13. The producing method code from the following table:  

|   |                                  |
|---|----------------------------------|
| F | Flowing                          |
| P | Pumping or other artificial lift |
14. MO/DA/YR that this completion was first connected to a gas transporter
15. The permit number from the District approved C-129 for this completion
16. MO/DA/YR of the C-129 approval for this completion
17. MO/DA/YR 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 |

22. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A", "Jones CPD", etc.)
  23. The POD number of the storage from which water is moved from this property. 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.
  24. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A Water Tank", "Jones CPD Water Tank", etc.)
  25. MO/DA/YR drilling commenced
  26. MO/DA/YR this completion was ready to produce
  27. Total vertical depth of the well
  28. Plugback vertical depth
  29. Top and bottom perforation in this completion or casing shoe and TD if openhole
  30. Inside diameter of the well bore
  31. Outside diameter of the casing and tubing
  32. Depth of casing and tubing. If a casing liner show top and bottom.
  33. Number of sacks of cement used per casing string
- The following test data is for an oil well it must be from a test conducted only after the total volume of load oil is recovered.
34. MO/DA/YR that new oil was first produced
  35. MO/DA/YR that gas was first produced into a pipeline
  36. MO/DA/YR that the following test was completed
  37. Length in hours of the test
  38. Flowing tubing pressure - oil wells  
Shut-in tubing pressure - gas wells
  39. Flowing casing pressure - oil wells  
Shut-in casing pressure - gas wells
  40. Diameter of the choke used in the test
  41. Barrels of oil produced during the test
  42. Barrels of water produced during the test
  43. MCF of gas produced during the test
  44. Gas well calculated absolute open flow in MCF/D
  45. The method used to test the well:  

|   |          |
|---|----------|
| F | Flowing  |
| P | Pumping  |
| S | Swabbing |

If other method please write it in.
  46. The signature, printed name, and title of the person authorized to make this report, the date this report was signed, and the telephone number to call for questions about this report
  47. The previous operator's name, the signature, printed name, and title of the previous operator's representative authorized to verify that the previous operator no longer operates this completion, and the date this report was signed by that person.

P. O. Box 2088  
Santa Fe, New Mexico 87504-2088  
**REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS**

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C - 104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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| TRANSPORTER            | OIL |
|                        | GAS |
| OPERATOR               |     |
| PRODUCTION OFFICE      |     |

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

|                                                                                                                                       |                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I. Operator                                                                                                                           |                                                                                                                                                                                                                 |
| CHEVRON U.S.A. INC.                                                                                                                   |                                                                                                                                                                                                                 |
| Address                                                                                                                               |                                                                                                                                                                                                                 |
| P. O. Box 670, Hobbs, NM 88240                                                                                                        |                                                                                                                                                                                                                 |
| Reason(s) for filing (Check proper box)                                                                                               | Other (Please explain)                                                                                                                                                                                          |
| <input type="checkbox"/> New Well<br><input type="checkbox"/> Recompletion<br><input checked="" type="checkbox"/> Change in Ownership | Change in Transporter of:<br><input type="checkbox"/> Oil<br><input type="checkbox"/> Casinghead Gas<br><input type="checkbox"/> Dry Gas<br><input type="checkbox"/> Condensate<br>Name Change Effective 7-1-85 |

If change of ownership give name and address of previous owner: Gulf Oil Corp., P. O. Box 670, Hobbs, NM 88240

II. DESCRIPTION OF WELL AND LEASE

|                 |          |                                |                               |               |
|-----------------|----------|--------------------------------|-------------------------------|---------------|
| Lease Name      | Well No. | Pool Name, including Formation | Kind of Lease                 | Lease No.     |
| C. E. La Munion | 32       | League Blinbury                | State, Federal or Fee Federal | 030187        |
| Location        |          |                                |                               |               |
| Unit Letter     |          | Feet From The                  | Line and                      | Feet From The |
| C               | 660      | North                          | 1980                          | West          |
| Line of Section | Township | Range                          | NMPM                          | County        |
| 28              | 23-5     | 37E                            | Lea                           |               |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

|                                                                                                               |                                                                          |
|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>         | Address (Give address to which approved copy of this form is to be sent) |
| Shell Pipeline Corp.                                                                                          | Box 1910, Midland TX 79701                                               |
| Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| El Paso Natural Gas Co.                                                                                       | Box 1492 El Paso, TX 79999                                               |
| If well produces oil or liquids, give location of tanks.                                                      | Unit Sec. Twp. Rge. Is gas actually connected? When                      |
|                                                                                                               | B 28 23S 37E Yes 1-30-68                                                 |

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

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

R. D. Pite  
(Signature)

Area Engineer  
(Title)

5-31-85  
(Date)

OIL CONSERVATION DIVISION

APPROVED

AUG - 2 1985

BY

TITLE

DISTRICT 1 SUPERVISOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.



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

**\* (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:<br>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 |      |        |                             | 38. GEOLOGIC MARKERS |             |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------------------------|----------------------|-------------|------------------|
| FORMATION                                                                                                                                                                                                                                          | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME                 | MEAS. DEPTH | TRUE VERT. DEPTH |
| Surface sand                                                                                                                                                                                                                                       | 11   | 192    | Water                       | Rustler              | 1050        |                  |
| Santa Rosa sand                                                                                                                                                                                                                                    | 310  | 792    | Water                       | Base Salt            | 2400        |                  |
| Penrose                                                                                                                                                                                                                                            | 3383 | 3540   | Oil and gas                 | Penrose              | 3383        |                  |
| Blaineby                                                                                                                                                                                                                                           | 5378 | 6053   | Oil                         | San Andres           | 3820        |                  |
| Tubb-Drinkard                                                                                                                                                                                                                                      | 6053 | 6308   | Oil and water               | Glorieta             | 4968        |                  |
|                                                                                                                                                                                                                                                    |      |        |                             | Blaineby             | 5378        |                  |
|                                                                                                                                                                                                                                                    |      |        |                             | Tubb                 | 6053        |                  |

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| LAND OFFICE            |                                                              |
| TRANSPORTER            | OIL <input type="checkbox"/><br>GAS <input type="checkbox"/> |
| OPERATOR               |                                                              |
| PRORATION OFFICE       |                                                              |

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**REQUEST FOR ALLOWABLE**  
**AND**  
**AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104  
 Supersedes Old C-104 and C-110  
 Effective 1-1-65

**I. OPERATOR**

Operator Gulf Oil Corporation

Address P. O. Box 980, Kermit, Texas 79745

Reason(s) for filing (Check proper box) ☒ New Well ☐ Recompletion ☐ Change in Ownership ☐ Change in Transporter of: ☐ Oil ☐ Casinghead Gas ☐ Dry Gas ☐ Condensate ☐ Other (Please explain)

If change of ownership give name and address of previous owner

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name C. E. Lamunyon Well No. 32 Pool Name, including Formation Teague Blinebry Kind of Lease Federal Lease No. 030187

Location Unit Letter C 660 Feet From The North Line and 1980 Feet From The West Line of Section 28 Township 23S Range 37E , NMPM, Lea County

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Shell Pipe Line Corporation Address (Give address to which approved copy of this form is to be sent) P. O. Box 1910, Midland, Texas 79704

Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ El Paso Natural Gas Company Address (Give address to which approved copy of this form is to be sent) P. O. Box 1384, Jal, New Mexico 88252

If well produces oil or liquids, give location of tanks. Unit B Sec. 28 Twp. 23S Rge. 37E Is gas actually connected? Yes When 1-30-68

If this production is commingled with that from any other lease or pool, give commingling order number:

**IV. COMPLETION DATA**

| Designate Type of Completion - (X)                                             | Oil Well                                    | Gas Well                     | New Well     | Workover                       | Deepen                 | Plug Back | Same Res'v. | Diff. Res'v. |
|--------------------------------------------------------------------------------|---------------------------------------------|------------------------------|--------------|--------------------------------|------------------------|-----------|-------------|--------------|
| <u>X</u>                                                                       | <u>X</u>                                    |                              | <u>X</u>     |                                |                        |           |             |              |
| Date Spudded <u>3-12-68</u>                                                    | Date Compl. Ready to Prod. <u>4-5-68</u>    | Total Depth <u>6308'</u>     |              | P.B.T.D. <u>6271'</u>          |                        |           |             |              |
| Elevations (DF, RKB, RT, GR, etc.) <u>3317' RKB</u>                            | Name of Producing Formation <u>Blinebry</u> | Top Oil/Gas Pay <u>5447'</u> |              | Tubing Depth <u>5804'</u>      |                        |           |             |              |
| Perforations <u>5447-49', 5540-42', 5593-95', 5652-54', 5722-24', 5770-72'</u> |                                             |                              |              | Depth Casing Shoe <u>6300'</u> |                        |           |             |              |
| TUBING, CASING, AND CEMENTING RECORD                                           |                                             |                              |              |                                |                        |           |             |              |
| HOLE SIZE                                                                      | CASING & TUBING SIZE                        |                              | DEPTH SET    |                                | SACKS CEMENT           |           |             |              |
| <u>11"</u>                                                                     | <u>8-5/8" 24.00#</u>                        |                              | <u>884'</u>  |                                | <u>340 sbs (circ.)</u> |           |             |              |
| <u>7-7/8"</u>                                                                  | <u>5-1/2" 15.50#</u>                        |                              | <u>6300'</u> |                                | <u>500 sbs</u>         |           |             |              |
|                                                                                | <u>2-3/8" 4.70#</u>                         |                              | <u>5804'</u> |                                |                        |           |             |              |

**V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL**

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

|                                               |                             |                                                           |                      |
|-----------------------------------------------|-----------------------------|-----------------------------------------------------------|----------------------|
| Date First New Oil Run To Tanks <u>4-7-68</u> | Date of Test <u>4-16-68</u> | Producing Method (Flow, pump, gas lift, etc.) <u>Pump</u> |                      |
| Length of Test <u>24 hours</u>                | Tubing Pressure <u>60</u>   | Casing Pressure <u>100</u>                                | Choke Size <u>2"</u> |
| Actual Prod. During Test <u>271</u>           | Oil - Bbls. <u>233</u>      | Water - Bbls. <u>38</u>                                   | Gas - MCF <u>336</u> |

**GAS WELL Produced 422 BO prior to test.**

|                                  |                           |                           |                       |
|----------------------------------|---------------------------|---------------------------|-----------------------|
| Actual Prod. Test-MCF/D          | Length of Test            | Bbls. Condensate/MMCF     | Gravity of Condensate |
|                                  |                           |                           |                       |
| Testing Method (pilot, back pr.) | Tubing Pressure (shut-in) | Casing Pressure (shut-in) | Choke Size            |
|                                  |                           |                           |                       |

**VI. CERTIFICATE OF COMPLIANCE**

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

H. F. Swannack  
 (Signature) H.F. Swannack  
 Area Manager  
 (Title)  
April 17, 1968  
 (Date)

**OIL CONSERVATION COMMISSION**

APPROVED \_\_\_\_\_, 19\_\_\_\_  
 BY [Signature]  
 TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
 All sections of this form must be filled out completely for allowable on new and recompleted wells.  
 Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
 Separate Forms C-104 must be filed for each pool in multiply completed wells.

C. E. LaMunyon No. 32

Teague Blinbry

660' FNL 1980' FNL, Sec 28, T23, R37, Lea County, New Mexico

## Cactus Drilling Company

|       |       |         |          |
|-------|-------|---------|----------|
| 250'  | 1/4   | 1.1000  | 1.1000   |
| 500'  | 1     | 4.3750  | 5.4750   |
| 750'  | 1     | 4.3750  | 9.8500   |
| 880'  | 1/4   | .5720   | 10.4220  |
| 1129' | 1/4   | 1.0956  | 11.5176  |
| 1379' | 1/2   | 2.1750  | 13.6926  |
| 1445' | 1/2   | .5742   | 14.2668  |
| 1693' | 3/4   | 3.2488  | 17.5156  |
| 1948' | 1-1/2 | 6.6810  | 24.1966  |
| 2190' | 1-1/2 | 6.3404  | 30.5370  |
| 2440' | 1-1/2 | 6.5500  | 37.0870  |
| 2456' | 1-1/2 | .4192   | 37.5062  |
| 2559' | 2-1/4 | 4.0479  | 41.5541  |
| 2700' | 2     | 4.9209  | 46.4750  |
| 2955' | 1-1/4 | 5.5590  | 52.0340  |
| 3200' | 1-1/2 | 6.4100  | 58.4430  |
| 3325' | 1-1/4 | 2.7250  | 61.1780  |
| 3580' | 1-1/4 | 5.5790  | 66.7570  |
| 4080' | 1-1/4 | 10.9000 | 77.6570  |
| 4319' | 1/4   | 1.0516  | 78.7086  |
| 4475' | 1/4   | .6864   | 79.3950  |
| 4625' | 1/2   | 1.3050  | 80.7000  |
| 4800' | 1/2   | 1.5525  | 82.2225  |
| 5037' | 1/2   | 2.0619  | 84.2844  |
| 5446' | 3/4   | 5.3570  | 89.6423  |
| 5624' | 1-1/2 | 4.6636  | 94.3059  |
| 5814' | 1/4   | .8360   | 95.1419  |
| 5975' | 1/2   | 1.4107  | 96.5726  |
| 6220' | 3/4   | 3.2095  | 99.7821  |
| 6300' | 1/2   | .6960   | 100.4781 |

Cactus Drilling Company

2

April

68

*Hayell Grimes*  
Lea N. Mex.

Dec. 19, 1971

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPI  
(Other instructions  
verse side)

TE-  
re

Form approved.  
Budget Bureau No. 42 R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**Federal LC-030187**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**C. E. Lamayon**

9. WELL NO.

**32**

10. FIELD AND POOL, OR WILDERNESS

**Teague Blinberry**

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

**Sec. 23, T-23N, R-37E**

12. COUNTY OR PARISH

**Lea**

13. STATE

**New Mexico**

1.

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

**Gulf Oil Corporation**

3. ADDRESS OF OPERATOR

**P. O. Box 980, Kermit, Texas 79745**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

**660' FWL and 1930' FWL**

14. PERMIT NO.

**Dated 3-8-68**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

**3317' RKB**

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☒

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Displaced hole w/mod brine and spotted 500 gals 15% NE acid. Perforated w/4 - 0.45" JSPT 5447-49', 5540-42', 5593-95', 5652-54', 5722-24' and 5770-72'. Pumped 6,000 gals 7-1/2% NE acid w/1 - 1" RCN ball/120 gals. IR 4 BPM, flushed w/28 bbls brine. Fraced down 5-1/2" OD casing w/42,000 gals gelled brine, 54,000 lbs 20-40 sand and 2500 gals 15% NE acid in 6 equal stages of 1,000 gals gelled brine pad, 6,000 gals gelled brine w/1-1/2 ppg 20-40 sand, 500 gals 15% NE acid and 8 - 1" RCN balls. Flushed w/137 bbls mod brine. AIR 37 BPM @ 2200 psi.

Ran 2-3/8" OD tubing to 5804'. Ran rods and pump. Well pumped 233 BO, 38 BW, 336 MCF in 24 hours ending 4-16-68. GOR 1442, Gravity 39.0°.

18. I hereby certify that the foregoing is true and correct

SIGNED ORIGINAL SIGNED BY: H. F. SWANNACK

TITLE Area Manager

DATE April 17, 1968

(This space for Federal or State office use)

**APPROVED**

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**APR 18 1968**

\*See Instructions on Reverse Side

**J. L. GORDON**  
ACTING ASSISTANT DIRECTOR

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

**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 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPL  
(Other instruction  
verse side)

TE  
re

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**Federal LC 030187**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER **Drilling**

2. NAME OF OPERATOR

**Gulf Oil Corporation**

3. ADDRESS OF OPERATOR

**P. O. Box 980, Kermit, Texas 79745**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

**660' FWL and 1980' FWL**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**C. E. Lammyon**

9. WELL NO.

**32**

10. FIELD AND POOL, OR WILDCAT

**Teague Hinery**

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

**Sec. 28, T-23S, R-37E**

14. PERMIT NO.

**Dated 3-8-68**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

**3316.9 KB**

12. COUNTY OR PARISH 13. STATE

**Lea**

**New Mexico**

16.

**Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

**Production String** ☒

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Reached TD at 6303' 3-31-68.**

**Ran 197 lbs 5-1/2" OD 15.50# J-55 casing and set at 6300'.  
Cemented w/320 lbs 16% HGS mixed @ 12.1 ppg followed w/180 lbs  
Incor neat mixed @ 14.3 ppg. Pressure tested casing to 2200#  
for 30 minutes - held OK. Completed 4-1-68.**

18. I hereby certify that the foregoing is true and correct

SIGNED

**C. E. Fidler**

TITLE

**Area Engineer**

DATE

**April 2, 1968**

(This space for Federal or State office use)

APPROVED BY

TITLE

**APPROVED**

DATE

CONDITIONS OF APPROVAL, IF ANY:

**APR 4 1968**

\*See Instructions on Reverse Side

**J. L. GORDON  
ACTING DISTRICT ENGINEER**

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPL  
(Other instructions  
reverse side)TE  
re-Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Federal LC 030187

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

C. E. Lamington

9. WELL NO.

32

10. FIELD AND POOL, OR WILDCAT

Teague Blinberry

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

Sec. 28, 23-S, 37-E

12. COUNTY OR PARISH

Lan

New Mexico

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐ Drilling2. NAME OF OPERATOR  
Gulf Oil Corporation3. ADDRESS OF OPERATOR  
P. O. Box 980, Kermit, Texas 797454. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

660' FWL and 1930' FWL

14. PERMIT NO.

Dated 3-8-68

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3316.9' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded 11" hole 3-12-68. Ran 28 jts 8-5/8" 24# J-55 w/shoe and set at 884'. Cemented w/340 sacks Class H, 4% gel, 2% CaCl<sub>2</sub>. Circulated 42 sacks. WOC. Pressure tested casing at 1000# for 30 min. - held O.K. Completed 3-14-68.

18. I hereby certify that the foregoing is true and correct

SIGNED

H. F. Gammon

TITLE Area Manager

DATE 3-15-68

(This space for Federal or State office use)

APPROVED BY

TITLE

APPROVED

DATE

CONDITIONS OF APPROVAL, IF ANY:

MAR 18 1968

\*See Instructions on Reverse Side

J. L. GORDON  
ACTING DISTRICT ENGINEER

## Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 14: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 980, Kermit, Texas 79745

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

At surface

660' FNL and 1980' FNL

At proposed prod. zone

Within 300' of surface location

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

11 miles North of Jal, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

Approx. 950' NW

(Also to nearest drig. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1320' West  
of No. 23

16. NO. OF ACRES IN LEASE

1600

19. PROPOSED DEPTH

6300'

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3306.8' GR

22. APPROX. DATE WORK WILL START\*

Upon approval of Permit

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT           |
|--------------|----------------|-----------------|---------------|------------------------------|
| 11"          | 8-5/8"         | 24              | 850'          | Circulate                    |
| 7-7/8"       | 5-1/2"         | 15.50           | 6300'         | Cmt. to base of Salt (2300') |

Drill to 6300' to test the Teague Blinebry formation  
within the interval 5350' to 5900'.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

H. F. Swannack

TITLE

Area Production Manager

DATE

3-7-68

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MAR 8 1968

J. L. GORDON

\*See Instructions On Reverse Side ACTING DISTRICT ENGINEER

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15, 16, and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

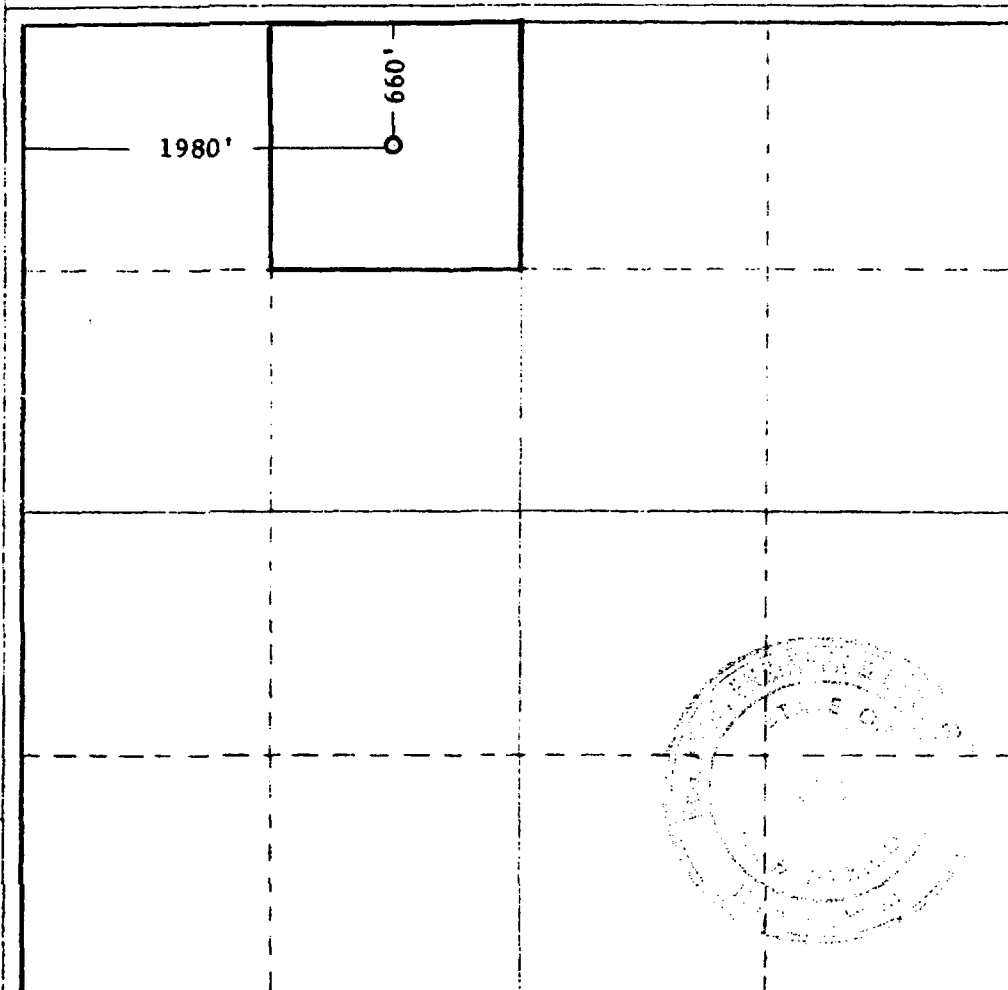
|                                     |                                        |                             |                                 |                      |                                       |
|-------------------------------------|----------------------------------------|-----------------------------|---------------------------------|----------------------|---------------------------------------|
| Operator<br><b>GULF OIL CORP.</b>   |                                        |                             | Lessee<br><b>C. E. LAMUNYON</b> |                      | Well No.<br><b>32</b>                 |
| Tract Letter<br><b>C</b>            | Section<br><b>28</b>                   | Township<br><b>23 SOUTH</b> | Range<br><b>37 EAST</b>         | County<br><b>LEA</b> |                                       |
| Actual Footage Location of Well:    |                                        |                             |                                 |                      |                                       |
| <b>660</b>                          | feet from the                          | <b>NORTH</b>                | line and                        | <b>1980</b>          | feet from the <b>WEST</b> line        |
| Ground Level Elev.<br><b>3306.8</b> | Producing Formation<br><b>Blinebry</b> |                             | Pay<br><b>Teague Blinebry</b>   |                      | Dedicated Acreage:<br><b>40</b> Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes    ☐ No    If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*H. F. Swannack*

Name \_\_\_\_\_

**H. F. Swannack**

Position \_\_\_\_\_

**Area Manager**

Company \_\_\_\_\_

**Gulf Oil Corporation**

Date \_\_\_\_\_

**March 7, 1968**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed \_\_\_\_\_

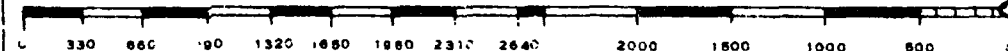
**MARCH 6, 1968**

Registered Professional Engineer  
and/or Land Surveyor

*John W. West*

Certificate No. \_\_\_\_\_

**676**



|                                                                                                |                             |       |           |       |              |
|------------------------------------------------------------------------------------------------|-----------------------------|-------|-----------|-------|--------------|
| COUNTY                                                                                         | IZA                         | FIELD | Teague    | STATE | TX           |
| OPR                                                                                            | GULF OIL CORPORATION        |       |           |       | MAP          |
|                                                                                                | 32 LaMunyon, C. E.          |       |           |       |              |
|                                                                                                | Sec. 28, T-28-S, R-37-E     |       |           |       | CO-ORD       |
|                                                                                                | 660' FWL, 1980' FWL of Sec. |       |           |       | 36-025-02470 |
|                                                                                                | Spd 3-12-68                 |       |           |       |              |
|                                                                                                | Cmp 4-16-68                 |       |           |       | CLASS        |
|                                                                                                | FORMATION                   | DATUM | FORMATION | DATUM |              |
| CSG & SX - TUBING                                                                              |                             |       |           |       |              |
| 8 5/8" 884'                                                                                    | 340                         |       |           |       |              |
| 3 1/2" 6300'                                                                                   | 510                         |       |           |       |              |
| LOGS EL GR RA IND HC A                                                                         |                             |       |           |       |              |
|                                                                                                | TD 6308', PSD 6271'         |       |           |       |              |
| UP Elmhurst Perfs 5447-5772' Pmpd 233 BOPD. Pot. Based on 34<br>hr test, GOR 1442, Gravity 39. |                             |       |           |       |              |

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CONT. Cactus Drilg. Co. PROP DEPTH 6300' TYPE 30  
DATE

F.R. 3-14-68; Elev. 3317' KB  
PD 6300' - Elmhurst  
Contr. - Cactus  
3-11-68 AMEND TO ADD REFERENCE NUMBER  
3-18-68 Drilg. 2745' anhy.  
3-25-68 Drilg. 5131'.  
4-1-68 TD 6300', running casing.  
4-8-68 TD 6308' (Corr.), PSD 6271', testg.  
Perf 5447-49', 5540-42', 5593-93',  
5651-54', 5722-24', 5770-72' w/2 SPF  
Acid (5447-5772') 6500 gals.  
frac (5447-5772') 42,000 gals brine + 54,000#  
ad. + 2500 gals 15%  
Swbd load  
Swbd & Flwd 37 FO + 44 BW in 4 hrs.

LEA            Teague            NM            Sec. 28-23S-37E  
GULF OIL CORP., #32 LaMunyon, C. E.            Page #2

4-15-68      TD 6308', PBD 6271', TOP  
             Pmpd 61 BO + 29 BW in 24 hrs.  
~~4-22-68~~      TD 6308', PBD 6271', COMPLETE  
LOG: Glorieta 4983', Blinbry 5379'.

OPER. OGRID NO. 962  
PROPERTY NO. 14898  
POOL CODE 58300  
EFF. DATE \_\_\_\_\_  
API NO. 30-225-22472

OIL POD 709610 GAS POD 709630  
TRANSPORTER 37480 TRANSPORTER 20809  
TRANSPORTER \_\_\_\_\_ TRANSPORTER \_\_\_\_\_

WATER POD 709650

#32 Arch Petroleum Inc.  
C.E. Lamunyon  
FORM: Chevron USA, Inc.

UNIT C 28-23-37



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Arch Petroleum Inc.

3. ADDRESS AND TELEPHONE NO.

P. O. Box 10340, Midland, TX 79702-7340 (915)685-8100

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

At surface 990' FNL & 430' FWL

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

Approximately 10 miles south of Eunice New Mexico

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest orig. unit line, if any)

430'

16. NO. OF ACRES IN LEASE

1280

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION  
TO NEAREST WELL, DRILLING COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1650'

19. PROPOSED DEPTH

3700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3309' GR

22. APPROX. DATE WORK WILL START

When approved

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT         |
|--------------|-----------------------|-----------------|---------------|----------------------------|
| 25"          | Conductor             | NA              | 40'           | Cmt to surface w/ Redi-mix |
| 12-1/4"      | 8-5/8" J-55           | 32              | 1100'         | 900 sks circ to surface    |
| 7-7/8"       | 5-1/2" J-55           | 15.5            | 3700'         | 1000 sks circ to surface   |

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cmt to surface w/ Redi-mix.
2. Drill 12-1/4" hole to 1100'. Run & set 1100' 8-5/8" 32# J-55 ST&C csg. Cmt w/ 900 sks CI "C" cmt + 1/4# Flocele/sk + 2% CaCl. Circ cmt to surface.
3. Drill 7-7/8" hole to 3700'. Run & set 3700' 5-1/2" 15.5# J-55 ST&C csg. Cmt w/ 1000 sks CI "C" cmt + additives. Circ cmt to surface.

OPER. OGRID NO. 962

PROPERTY NO. 14898

POOL CODE 37240

EFF. DATE 2-26-03

API NO. 30-025-

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

*Cathy Lambert*

TITLE

Sr. Operation Tech

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/S/ JOE G. LARA

TITLE

FIELD MANAGER

DATE

FEB 21 2003

\*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

121 10E 0 RECEIVED

2003 JAN 17 AM 8:49

BUREAU OF LAND MGMT.  
ROSWELL OFFICE

000  
HOPP  
8-11-03  
10-10-03

30-032-  
8-11-03  
3/8/03  
10/10/03  
JPC

30-032-301-02

DISTRICT I  
P.O. Box 1000, Hobbs, NM 88241-1000

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT II  
P.O. Drawer 20, Artesia, NM 88211-0710

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

DISTRICT IV  
P.O. Box 2088, Santa Fe, NM 87504-2088

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                     |                                              |                                                              |
|-------------------------------------|----------------------------------------------|--------------------------------------------------------------|
| API Number<br><b>30-025-36188</b>   | Pool Code<br><b>37240</b>                    | Pool Name<br><b>LANGLIE MATTIX-7 RIVERS, QUEEN, GRAYBURG</b> |
| Property Code<br><b>14908 14898</b> | Property Name<br><b>C.F. LAMUNYON</b>        | Well Number<br><b>78</b>                                     |
| OGHD No.<br><b>962</b>              | Operator Name<br><b>ARCH PETROLEUM, INC.</b> | Elevation<br><b>3309</b>                                     |

Surface Location

|                           |                      |                         |                      |                    |                             |                                  |                             |                               |                      |
|---------------------------|----------------------|-------------------------|----------------------|--------------------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|----------------------|
| UL or lot No.<br><b>D</b> | Section<br><b>28</b> | Township<br><b>23 S</b> | Range<br><b>37 E</b> | Lot 1/4<br><b></b> | Feet from the<br><b>990</b> | North/South line<br><b>NORTH</b> | Feet from the<br><b>430</b> | East/West line<br><b>WEST</b> | County<br><b>LEA</b> |
|---------------------------|----------------------|-------------------------|----------------------|--------------------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|----------------------|

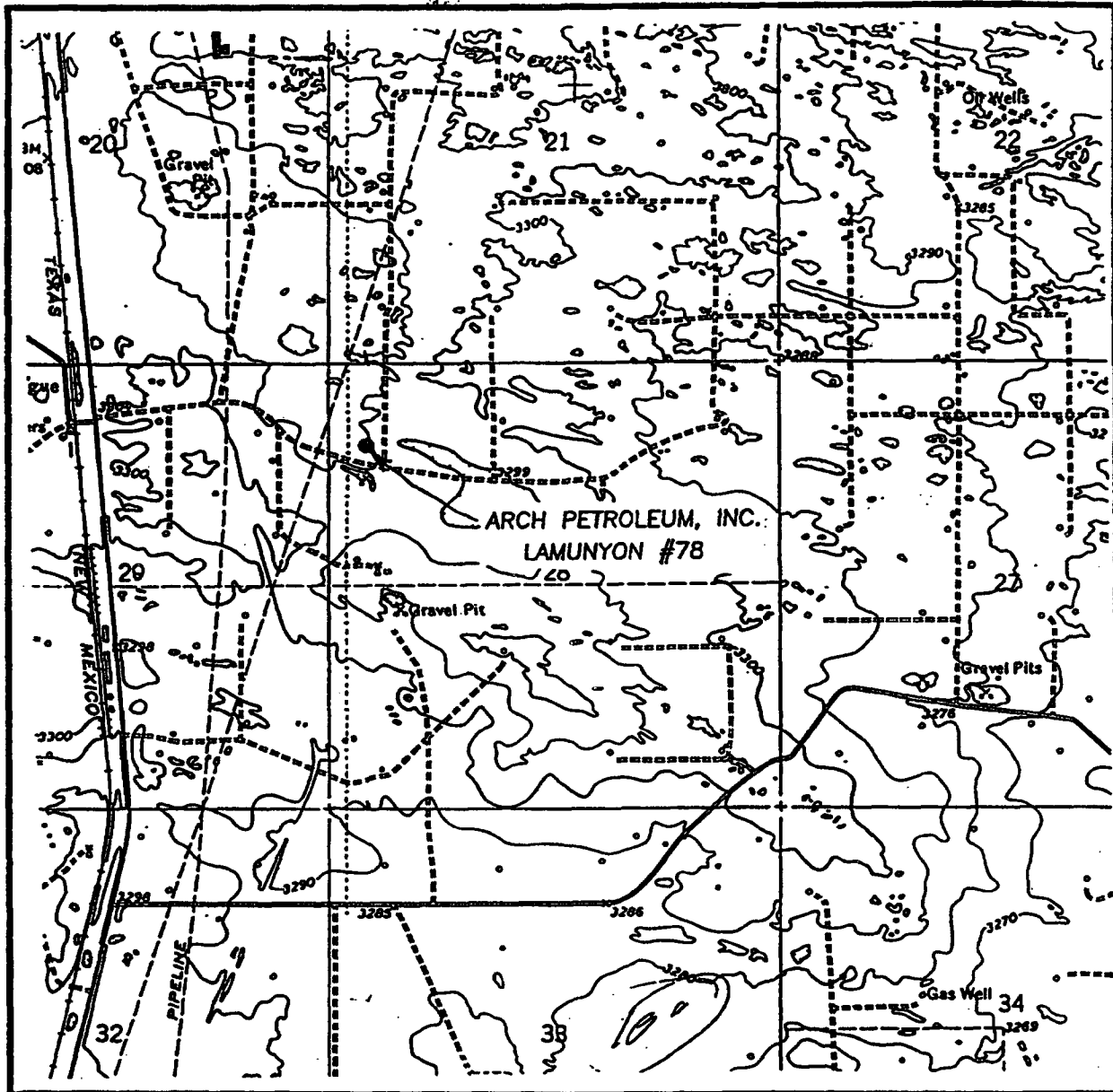
Bottom Hole Location If Different From Surface

|                              |                 |                    |           |         |               |                  |               |                |        |
|------------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No.                | Section         | Township           | Range     | Lot 1/4 | Feet from the | North/South line | Feet from the | East/West line | County |
| Dedicated Acres<br><b>40</b> | 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

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br> | <b>OPERATOR CERTIFICATION</b><br><br>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.<br><br><br>Signature<br><b>Joe T. Janica</b><br>Printed Name<br><b>Agent</b><br>Title<br><b>11/25/00</b><br>Date                                                                                                                                                                                                             |
|      | <b>SURVEYOR CERTIFICATION</b><br><br>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.<br><br><b>NOVEMBER 15, 2000</b><br>Date Surveyed<br><br>Signature & Seal of Professional Surveyor<br><b>RONALD J. EDSON</b><br>W.O. Num. 00-11-363<br>Certificate No. <b>RONALD J. EDSON, 3239</b><br><b>GARY G. EDSON, 12641</b> |

# LOCATION VERIFICATION MAP

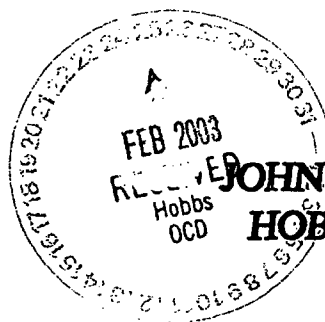


SCALE: 1" = 2000'

CONTOUR INTERVAL - 10'

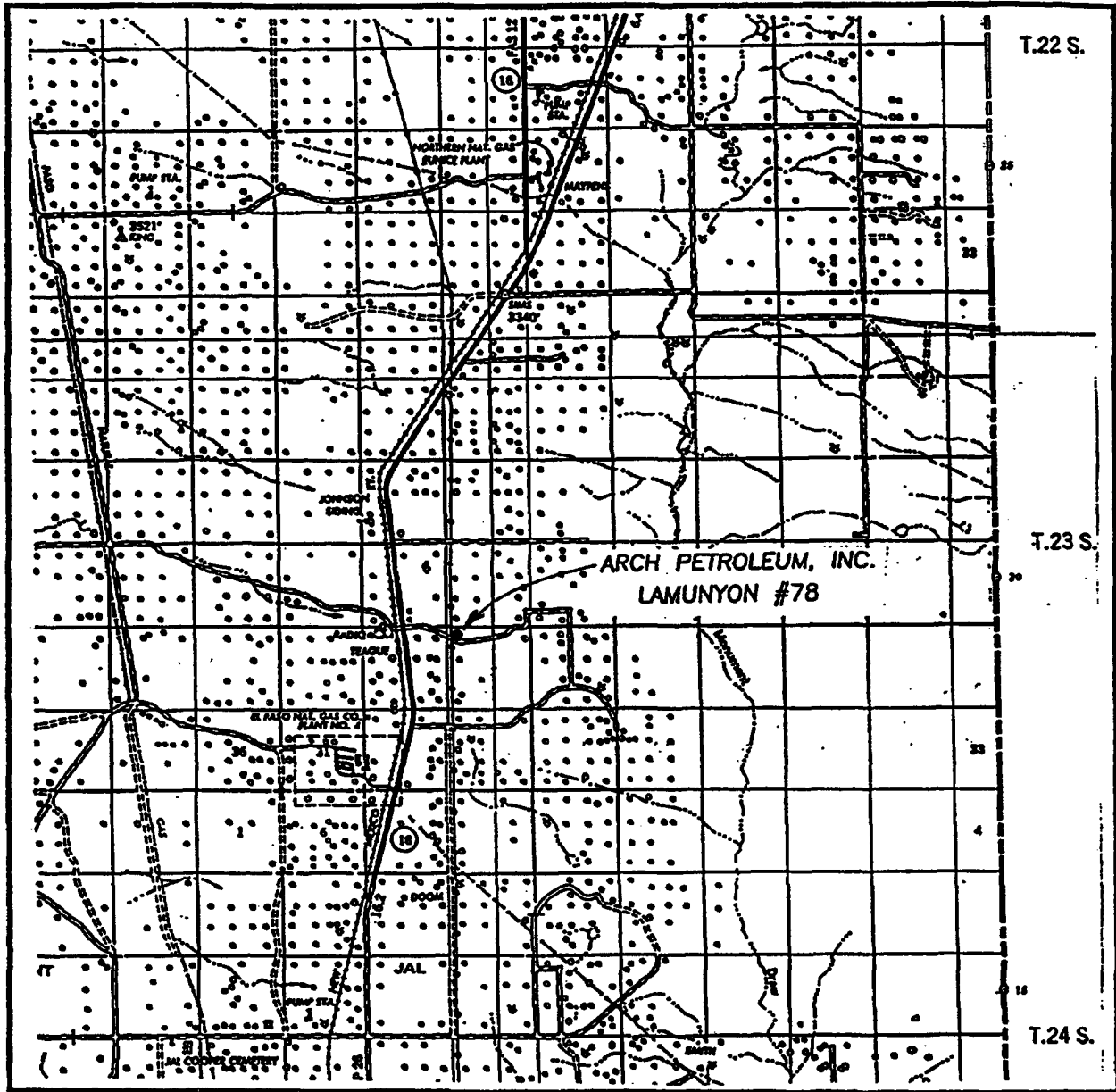
SEC. 28 TWP. 23-S RGE. 37-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 990' FNL & 430' FWL  
 ELEVATION 3309  
 OPERATOR ARCH PETROLEUM, INC.  
 LEASE LAMUNYON

U.S.G.S. TOPOGRAPHIC MAP  
 RATTLESNAKE CANYON, N.M.



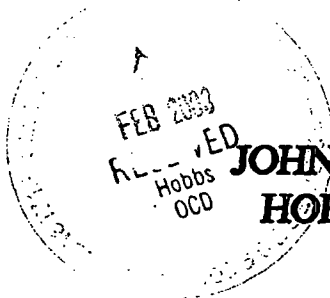
**JOHN WEST SURVEYING**  
**HOBBS, NEW MEXICO**  
**(505) 393-3117**

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 28 TWP. 23-S RGE. 37-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 990' FNL & 430' FWL  
 ELEVATION 3309  
 OPERATOR ARCH PETROLEUM, INC.  
 LEASE LAMUNYON



**JOHN WEST SURVEYING**  
**HOBBS, NEW MEXICO**  
 (505) 393-3117

# APPLICATION TO DRILL

ARCH PETROLEUM, INC.  
C. E. LAMUNYON # 78  
UNIT "D" SECTION 28  
T23S-R37E LEA CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

1. Location: 990' FNL & 430' FWL SEC. 28 T23S-R37E LEA CO. NM
2. Elevation above Sea Level: 3306' GR.
3. Geologic name of surface formation: Quaternary Aeolian Deposits.
4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.
5. Proposed drilling depth: 3650'
6. Estimated tops of geological markers:

|                   |       |          |       |
|-------------------|-------|----------|-------|
| Santa Rosa        | 250'  | Queen    | 3368' |
| Rustler Anhydrite | 1050' | Penrose  | 3478' |
| Yates             | 2627' | Grayburg | 3644' |
| 7 Rivers          | 2912' |          |       |
7. Possible mineral bearing formations:

|          |     |          |     |
|----------|-----|----------|-----|
| 7 Rivers | Oil | Grayburg | Oil |
| Penrose  | Oil | Queen    | Oil |
8. Casing program:

| Hole size | Interval | OD of casing | Weight | Thread | Collar | Grade     |
|-----------|----------|--------------|--------|--------|--------|-----------|
| 25"       | 0-40     | 20"          | NA     | NA     | NA     | Conductor |
| 12 1/4"   | 0-1100'  | 8 5/8"       | 32     | 8-R    | ST&C   | J-55      |
| 7 7/8"    | 0-3650'  | 5 1/2"       | 15.5   | 8-R    | ST&C   | J-55      |

ARCH PETROLEUM, INC.  
C. E. LAMUNYON # 78  
UNIT "D" SECTION 28  
T23S-R37E LEA CO. NM

# 9. CEMENTING & SETTING DEPTH:

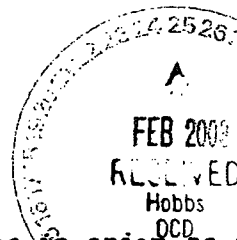
|        |            |                                                                                                                                              |
|--------|------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 20"    | Conductor  | Set 40' of 20" conductor pipe and cement to surface with Redi-mix.                                                                           |
| 8 5/8" | Surface    | Set 1100' of 8 5/8" 32# J-55 ST&C casing. Cement with 900 Sx. of Class "C" cement + 1/4# Flocele/Sx. + 2% CaCl, circulate cement to surface. |
| 5 1/2" | Production | Set 3650' of 5 1/2" 15.5# J-55 ST&C casing. Cement with 1000 Sx. of Class "C" cement + additives estimate top of cement 850'.                |

10. PRESSURE CONTROL EQUIPMENT\* Exhibit "E". A Series 900 3000 PSI working pressure B.O.P. consisting of a double ram type preventor with a bag type annular preventor. The B.O.P. unit will be hydraulically operated. Exhibit "E-1". Choke manifold and closing unit. The B.O.P. will be nipples up on 8 5/8" casing and will be operated at least once each 24 hour period while drilling and blind rams will be operated when out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. No abnormal pressure or temperature is expected while drilling.
- \* If substructure is too low on this rig a control head will be used instead of a B.O.P.

# 11. PROPOSED MUD CIRCULATING SYSTEM:

| Depth      | Mud Wt.   | Visc. | Fluid Loss | Type Mud System                                                                             |
|------------|-----------|-------|------------|---------------------------------------------------------------------------------------------|
| 40-1100'   | 8.5-8.7   | 29-36 | NC         | Fresh water spud mud add<br>add paper to control seepage.                                   |
| 1100-3650' | 10.1-10.2 | 29-38 | NC         | Brine water using high vis-<br>cosity sweeps to clean hole.<br>Uas soda ash for pH control. |

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's, open hole logs, and casing the viscosity and/or water loss may have to be adjusted to meet these needs.



APPLICATION TO DRILL

ARCH PETROLEUM, INC.  
C. E. LAMUNYON # 78  
UNIT "D" SECTION 28  
T23S-R37E LEA CO. NM

12. TESTING, LOGGING, & COREING PROGRAM:

- A. Open hole logs: Dual Laterolog, SNP, Density, Gamma Ray, Caliper from TD to 1100'. Run Gamma Ray, Neutron from 1100' to surface.
- B. No DST's are planned at this time.
- C. No cores are planned, the use of mud logger is not planned at this time.

13. POTENTIAL HAZARDS:

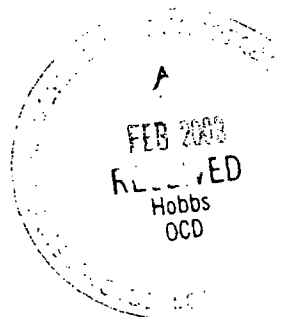
No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H<sub>2</sub>S detectors will be in place to detect any presence of unsafe levels of H<sub>2</sub>S. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operations of all equipment that will be used. Estimated BHP 1250 PSI & estimated BHT 125°.

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Roads and location construction will begin after the BLM approves the APD. Anticipated spud date will be as soon as pad & road construction has been completed. Drilling time for the well is estimated to take 10 days. If production casing is run an additional 12 days will be required to complete well and construct surface facilities.

15. OTHER FACETS OF OPERATION:

After running production casing, cased hole Gamma-Neutron & Collar logs will be run over all possible pay intervals. If commercial production from the Queen pay is indicated it will be perforated and stimulated. Then if necessary the pay will be swab tested and completed as an Oil well.





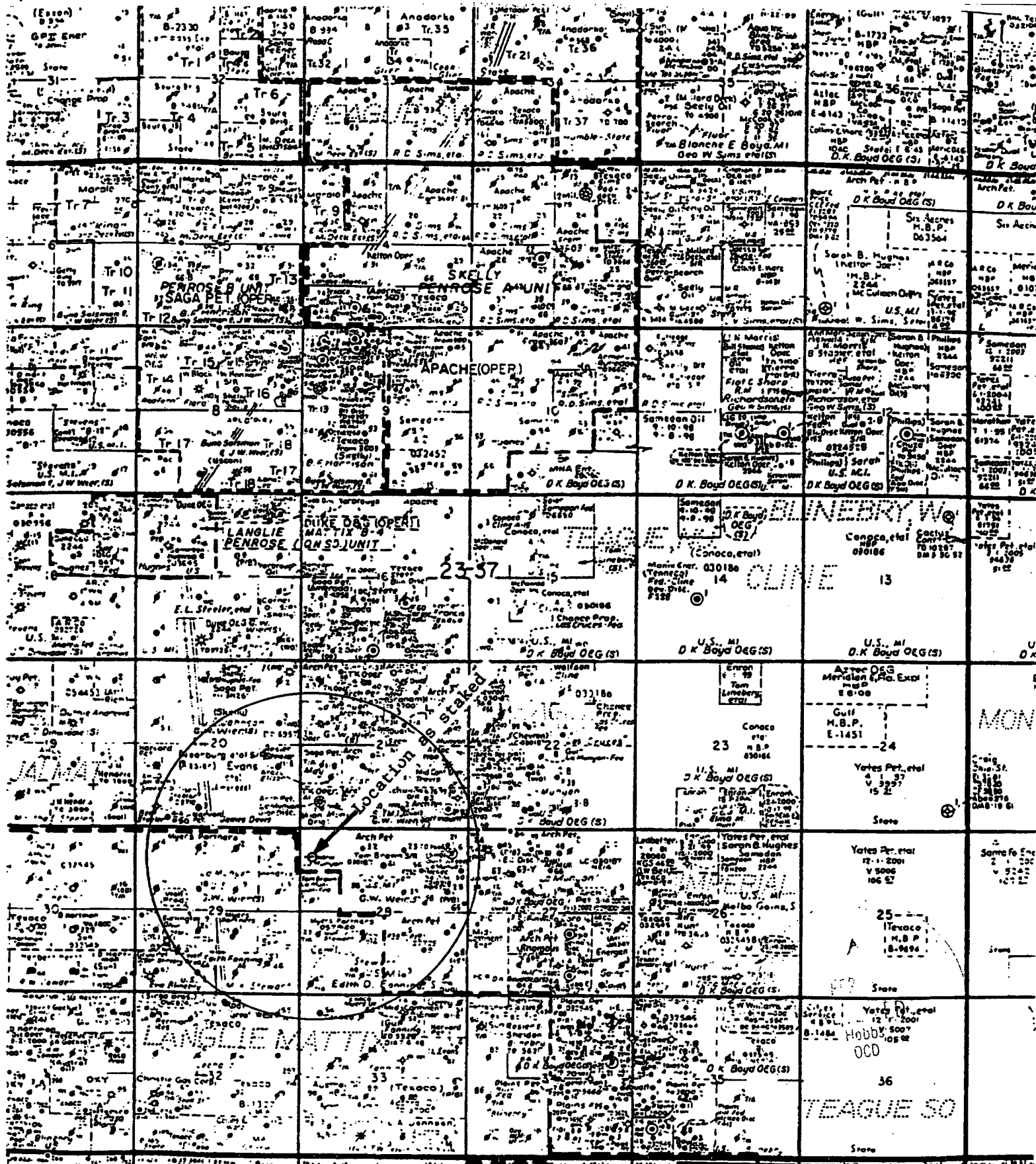


EXHIBIT "A-1"  
ONE MILE RADIUS MAP

ARCH PETROLEUM, INC  
C.E. LAMUNYON # 78  
UNIT "D" SECTION 28  
T23S-R37E LEA CO. NM

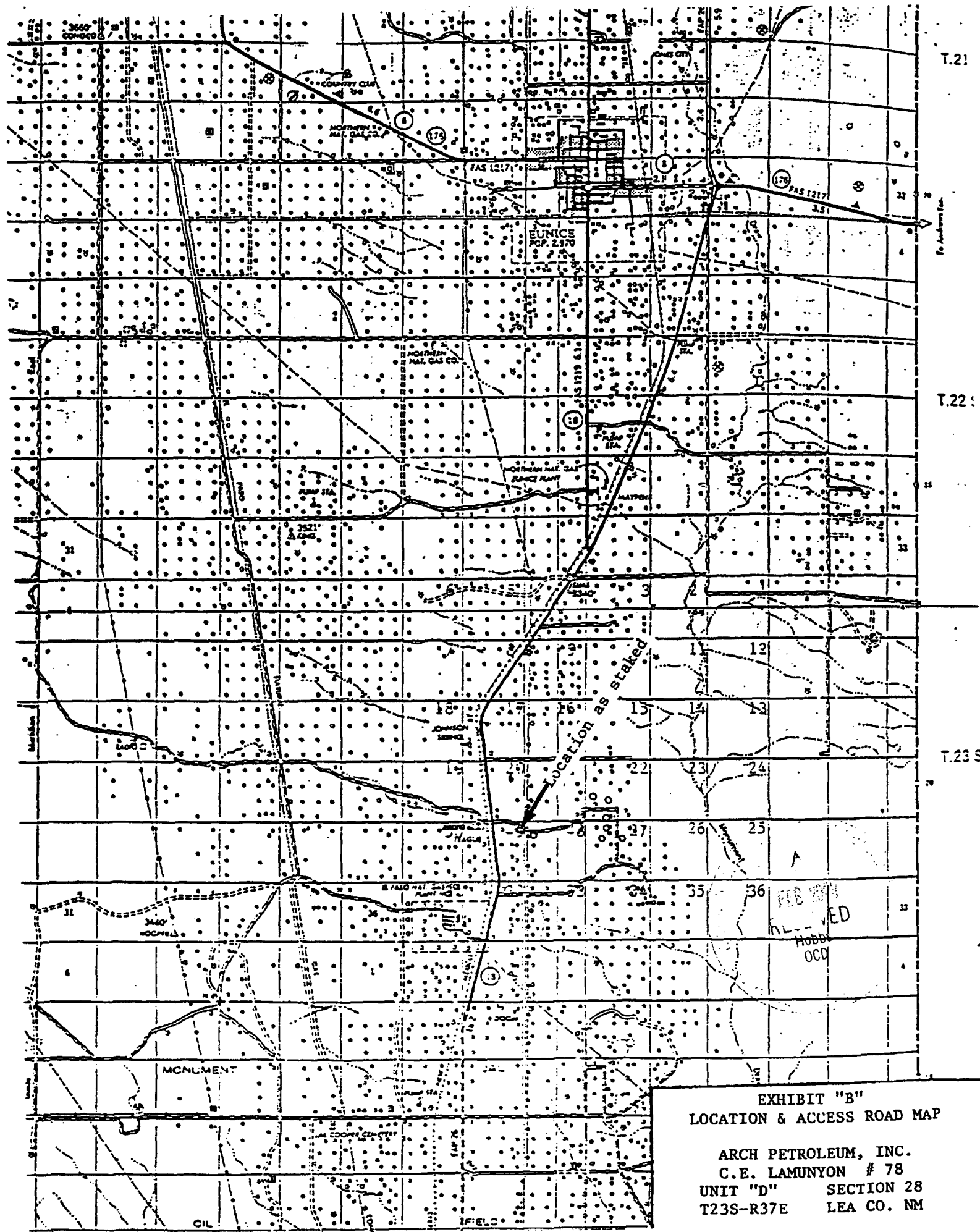


EXHIBIT "B"  
LOCATION & ACCESS ROAD MAP

ARCH PETROLEUM, INC.  
C.E. LAMUNYON # 78  
UNIT "D" SECTION 28  
T23S-R37E LEA CO. NM

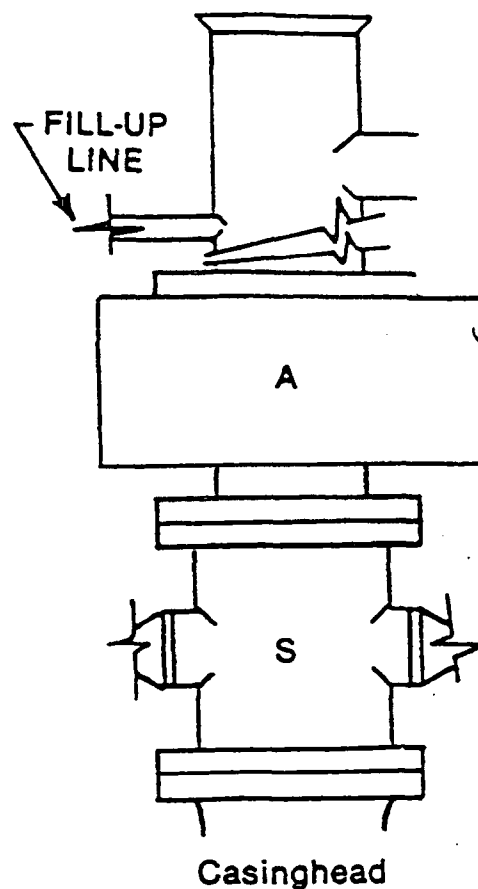
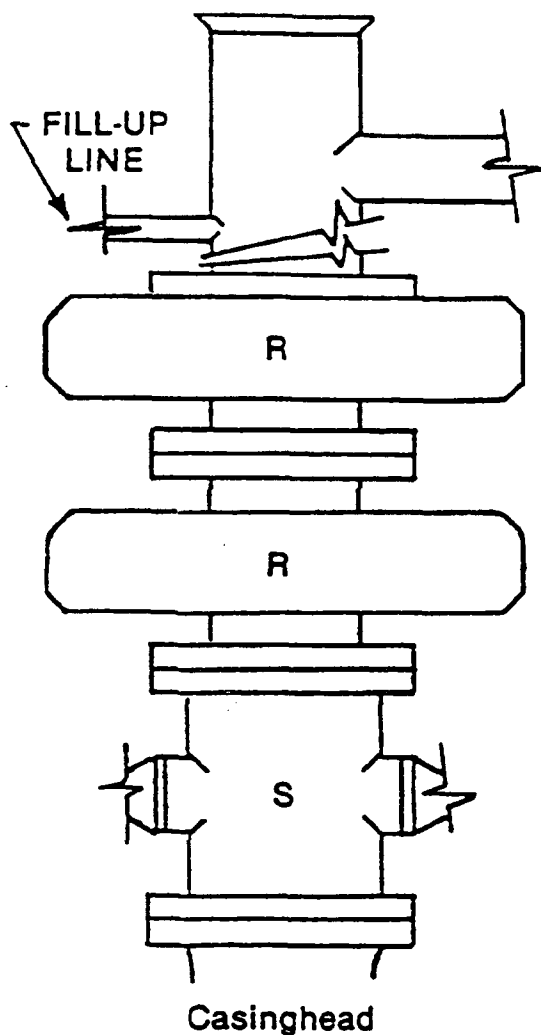


FIGURE K1-1. Recommended IADC Class 2 BOP stack, 2000 psi WP. Either SRd (left) or SA (right) arrangement is acceptable and drilling spool is optional.

APR 1978  
RECEIVED  
Hobbs  
OCO

EXHIBIT "E"  
SKETCH OF B.O.P. TO BE USED ON

ARCH PETROLEUM, INC.  
C.E. LAMUNYON # 78  
UNIT "D" SECTION 28  
T23S-R37E LEA CO. NM

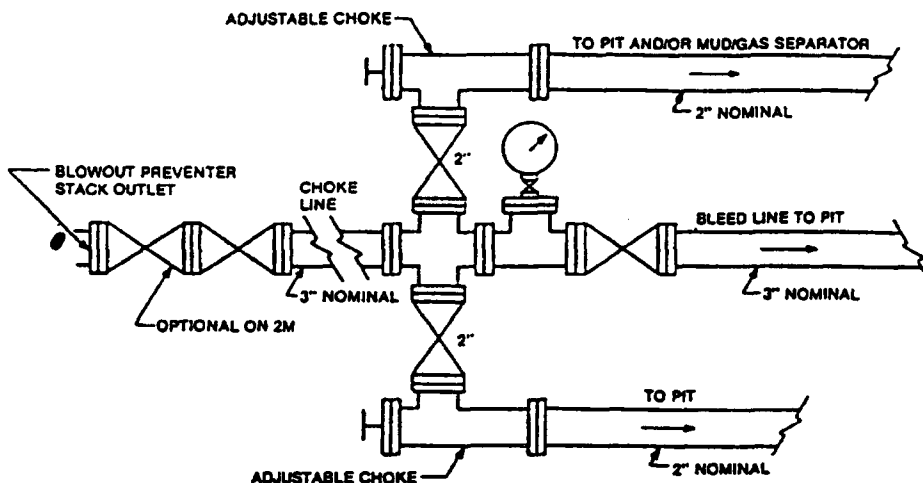


FIGURE K4-1. Typical choke manifold assembly for 2M and 3M rated working pressure service — surface installation.

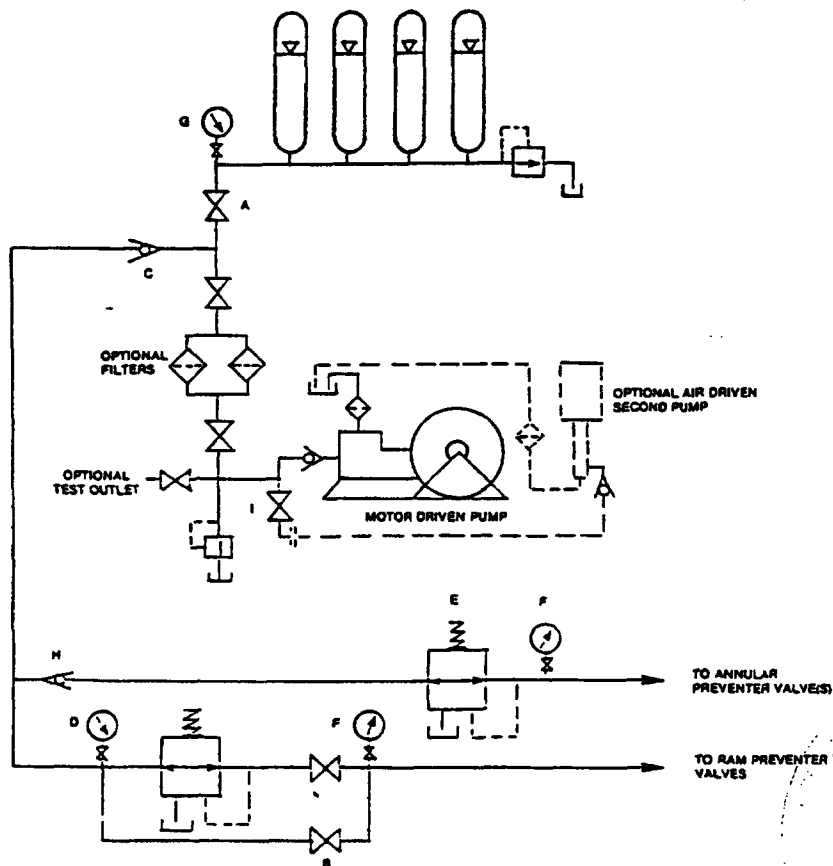


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

RECEIVED  
Hobbs  
OCD

EXHIBIT "E-1"  
CHOKE MANIFOLD & CLOSING UNIT

ARCH PETROLEUM, INC.  
C.E. LAMUNYON # 78  
UNIT "D" SECTION 28  
T23S-R37E LEA CO. NM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division  
1625 N. French Dr.  
Hobbs, NM 88240

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Arch Petroleum Inc.

3. Address and Telephone No.

P. O. Box 10340, Midland, TX 79702-7340 (915)685-8100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990' FNL & 430' FWL, Section 28, T23S, R37E

5. Lease Designation and Serial No.

LC-030187

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

C. E. Lamunyon #78

9. API Well No.

30-025-36188

10. Field and Pool, or Exploratory Area

Langlie Mattix 7R's Q Grb

11. County or Parish, State

Lea County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                   |
|-------------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Abandonment             |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion            |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Plugging Back           |
|                                                       | <input type="checkbox"/> Casing Repair           |
|                                                       | <input type="checkbox"/> Altering Casing         |
|                                                       | <input checked="" type="checkbox"/> Other Spud   |
|                                                       | <input type="checkbox"/> Change of Plans         |
|                                                       | <input type="checkbox"/> New Construction        |
|                                                       | <input type="checkbox"/> Non-Routine Fracturing  |
|                                                       | <input type="checkbox"/> Water Shut-Off          |
|                                                       | <input type="checkbox"/> Conversion to Injection |
|                                                       | <input type="checkbox"/> Dispose Water           |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

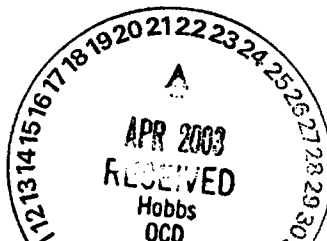
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Spud & Set Surface Csg - MIRU Capstar #14. Spud well @ 24:00 hrs 04/03/03. Drd 12-1/4" hole to 1110'. TD reached @ 02:30 hrs 04/05/03. Ran 25 jts 8-5/8" 32# J-55 ST&C csg. Halliburton cmt'd w/ 450 sks Light Premium Plus + 2% CaCl2 @ 12.8 ppg followed by 200 sks Premium Plus + 2% CaCl2 @ 14.8 ppg. Plug down @ 10:30 hrs 04/05/03. Circ 167 sks to surface. WOC 20-1/2 hrs. Make cut-off. Weld on WH. NU BOP's & test ok.

ACCEPTED FOR RECORD

APR 18 2003

GARY GOURLEY  
PETROLEUM ENGINEER



14. I hereby certify that the foregoing is true and correct

Signed

*Cathy Timberlake*

Sr. Operation Tech

Date 04/16/03

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GWW

\*See Instruction on Reverse Side

025-36185

|        |   |     |     |     |     |     |
|--------|---|-----|-----|-----|-----|-----|
| ULSTR: | D | 28  | T   | 23S | R   | 37E |
|        |   | 990 | FNL | 430 | FWL |     |

Date Logs Received: **5/2/2003** Land: **FED**

[illegible][illegible]

Arch Petroleum Inc  
Rogo Producing Company  
P.O. Box 10340  
Midland, TX 79702-7340

C E Lamunyon #78  
Lea County, New Mexico

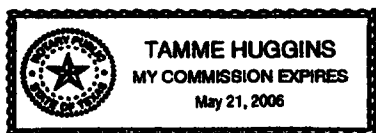
D-28-23s-37e  
990/N & 430/W  
30-025-36188

CONFIDENTIAL

|      |      |       |      |       |       |
|------|------|-------|------|-------|-------|
| 228  | 2.28 | 1     | 1.75 | 3.99  | 3.99  |
| 472  | 2.44 | 1     | 1.75 | 4.27  | 8.26  |
| 714  | 2.42 | 1     | 1.75 | 4.24  | 12.50 |
| 960  | 2.46 | 1/4   | 0.44 | 1.08  | 13.57 |
| 1432 | 4.72 | 1/4   | 0.44 | 2.07  | 15.64 |
| 1681 | 2.49 | 1/2   | 0.88 | 2.18  | 17.82 |
| 1989 | 3.08 | 2     | 3.50 | 10.78 | 28.60 |
| 2439 | 4.50 | 3     | 5.25 | 23.63 | 52.22 |
| 2523 | 0.84 | 2 3/4 | 4.81 | 4.04  | 56.26 |
| 2617 | 0.94 | 3     | 5.25 | 4.94  | 61.20 |
| 2803 | 1.86 | 2     | 3.50 | 6.51  | 67.71 |
| 3081 | 2.78 | 1     | 1.75 | 4.87  | 72.57 |
| 3366 | 2.85 | 1 3/4 | 3.06 | 8.73  | 81.30 |
| 3670 | 3.04 | 2     | 3.50 | 10.64 | 91.94 |

  
Michael Roghair - General Manager

The attached instrument was acknowledged before me on the 11<sup>th</sup> day of April, 2003 by Michael Roghair - General Manager, CapStar Drilling, L.P.



  
Notary Public



District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Bruma Rd., Aztec, NM 87410  
District IV  
PO Box 2085, Santa Fe, NM 87504-2085

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

Form C-104  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|                                                                                               |                                                 |                              |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------|
| Operator name and Address<br>Arch Petroleum Inc.<br>P. O. Box 10340<br>Midland, TX 79702-7340 |                                                 | OGRID Number<br>000962       |
| CONFIDENTIAL                                                                                  |                                                 | Reason for Filing Code<br>NW |
| API Number<br>30-0 25-36188                                                                   | Pool Name<br>Langlie Mattix 7R's Queen Grayburg | Pool Code<br>37240           |
| Property Code<br>14908-14898                                                                  | Property Name<br>C. E. Lamunyon                 | Well Number<br>78            |

II. Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 28      | 23S      | 37E   |         | 990           | North            | 430           | West           | Lea    |

Bottom Hole Location

| UL or lot no. | Section                          | Township                        | Range               | Lot Idn              | Feet from the         | North/South line | Feet from the | East/West line | County |
|---------------|----------------------------------|---------------------------------|---------------------|----------------------|-----------------------|------------------|---------------|----------------|--------|
|               |                                  |                                 |                     |                      |                       |                  |               |                |        |
| Lee Code<br>F | Producing Method Code<br>Pumping | Gas Connection Date<br>04/21/03 | C-129 Permit Number | C-129 Effective Date | C-129 Expiration Date |                  |               |                |        |

III. Oil and Gas Transporters

| Transporter OGRID | Transporter Name and Address                               | POD    | O/G | POD ULSTR Location and Description |
|-------------------|------------------------------------------------------------|--------|-----|------------------------------------|
| 007440            | EOTT Operating L.P.<br>P. O. Box 1188<br>Houston, TX 77252 | 709610 | 0   | C. E. Lamunyon #1 Battery          |
| 020809            | Sid Richardson<br>201 Main Street<br>Ft. Worth, TX 76102   | 709630 | G   | C. E. Lamunyon #1 Battery          |
|                   |                                                            |        |     |                                    |
|                   |                                                            |        |     |                                    |
|                   |                                                            |        |     |                                    |

IV. Produced Water

| POD    | POD ULSTR Location and Description |
|--------|------------------------------------|
| 709650 |                                    |

V. Well Completion Data

| Spud Date | Ready Date           | TD        | FBTD         | Perforations       |
|-----------|----------------------|-----------|--------------|--------------------|
| 04/03/03  | 04/21/03             | 3670      | 3629         | 3145-55<br>3447-62 |
| Hole Size | Casing & Tubing Size | Depth Set | Sacks Cement |                    |
| 12-1/4    | 8-5/8                | 1110      | 650 sks      |                    |
| 7-7/8     | 5-1/2                | 3670      | 650 sks      |                    |
|           | 2-3/8                | 3488      |              |                    |

VI. Well Test Data

| Date New Oil | Gas Delivery Date | Test Date | Test Length | Tbg. Pressure | Cog. Pressure |
|--------------|-------------------|-----------|-------------|---------------|---------------|
| 04/21/03     | 04/21/03          | 04/26/03  | 24 hrs      | ---           | ---           |
| Choke Size   | Oil               | Water     | Gas         | AOP           | Test Method   |
| ---          | 28                | 38        | 171         |               | Pump          |

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: *Cathy Tomberlin*

Printed name: Cathy Tomberlin

Title: Sr. Operation Tech

Date: 05/01/03 Phone: 915-685-8100

Approved by:

Title: PETROLEUM ENGINEER

Approval Date: MAY 21 2003

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