

# BURLINGTON RESOURCES

SAN JUAN DIVISION

April 8, 1998

Federal Express

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Re: Angel Peak #27  
1762'FSL, 973'FEL, Section 11, T-28-N, R-11-W, San Juan County  
30-045-25699

Dear Mr. Stogner:

This is a request for administrative approval for a non-standard gas well location in the Basin Fruitland Coal pool.

Burlington Resources intends to recompleate the Angel Peak #27 in the Basin Fruitland Coal pool by plugging the well back from the Armenta Gallup. This location is considered off-pattern for Fruitland Coal.

Production from the Basin Fruitland Coal is included in a 257.48 acre gas spacing and proration unit ("GPU") comprising all of Section 11.

To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

1. C-102 plat showing location of the well;
2. Plat showing offset owners/operators;
3. Affidavit of notification of offset owners/operators;
4. Copy of Well Completion Log for original completion.


Three copies of this application are being submitted to all offset owners/operators by certified mail with a request that they furnish your Santa Fe office with a copy of Waiver of Objection, return one copy to this office, and retain one copy for their files.

Sincerely yours,



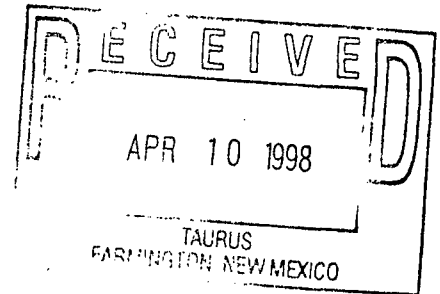
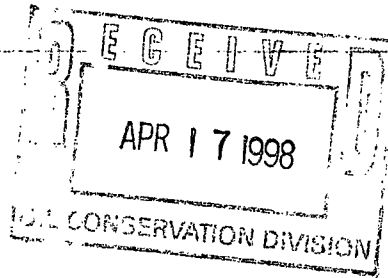
Peggy Bradfield  
Regulatory/Compliance Representative

## WAIVER

 hereby waives objection to Burlington Resources' application for non-standard location for the Angel Peak #27 as proposed above.

By: Richard Corcoran Date: 4-15-98

xc: Taurus Exploration USA  
Chaparral Oil & Gas



District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer 00, Artesia, NM 88211-0719

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

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

Revised February  
Instructive  
Submit to Appropriate District  
State Lease  
Fee Lease

☐ AMENDED

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-25699		Pool Code 71629/2290	Pool Name Basin Fruitland Coal/Armenta Gall...
Property Code 6787	Property Name ANGEL PEAK		Well 2
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elev. 57

#### 10 Surface Location

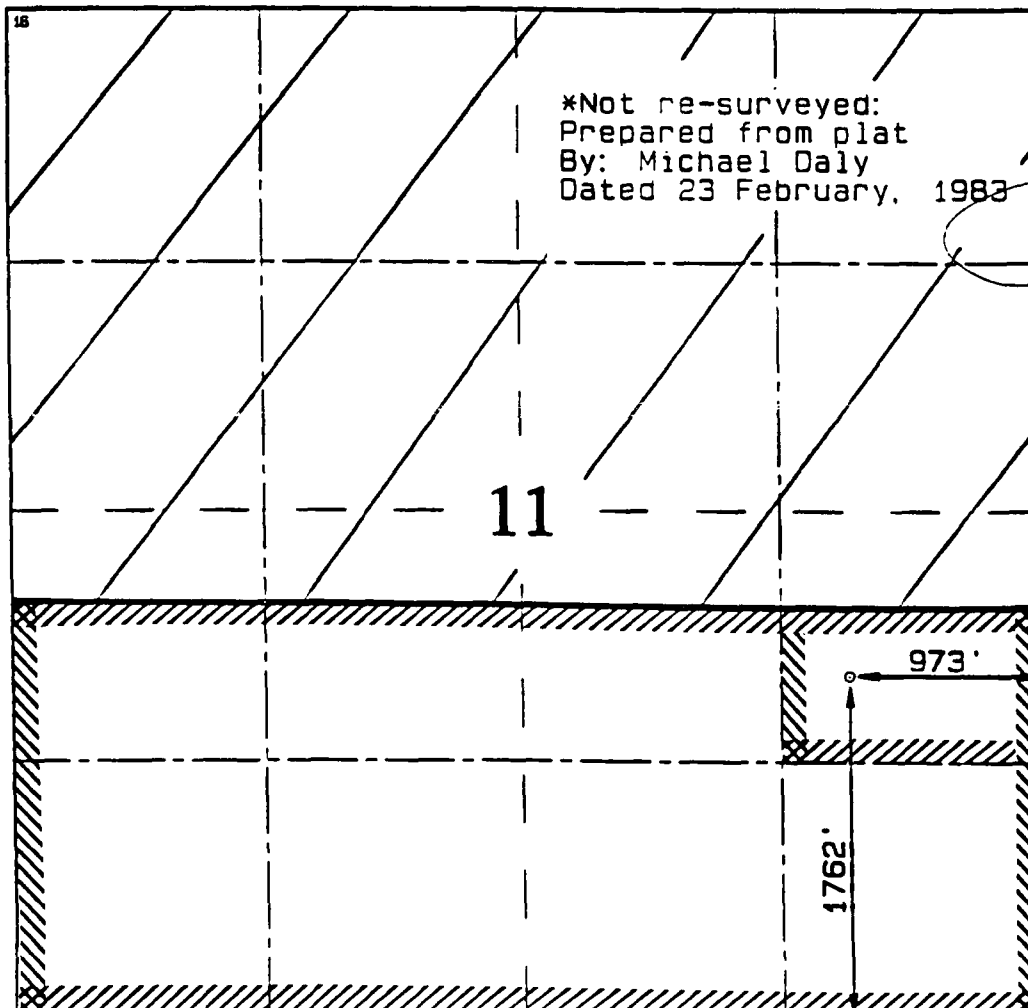
UL or lot no. I	Section 11	Township 28N	Range 11W	Lot 10n	Feet from the 1762	North/South line South	Feet from the 973	East/West line East	Si
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#### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line
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Dedicated Acres Frt-A11-257.48	Joint or Infill	Consolidation Code	Order No.
Gal-24			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSC  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



#### 17 OPERATOR CERTIFI

I hereby certify that the information con  
true and complete to the best of my know.

*Peggy Bradfield*  
Signature

Peggy Bradfield  
Printed Name

Regulatory Admini  
Title

11-10-97  
Date

#### 18 SURVEYOR CERTIFI

I hereby certify that the well location is  
was plotted from field notes of actual su  
or under my supervision and that the same  
correct to the best of my belief.

NOVEMBER 4, 1997  
Date of Survey

Signature and Seal of Professional Survey

NEALE C. EDWARDS  
NEW MEXICO  
5857  
Certificate Number  
PROFESSIONAL SURVEYOR

***BURLINGTON RESOURCES OIL AND GAS COMPANY***

**Angel Peak #27**

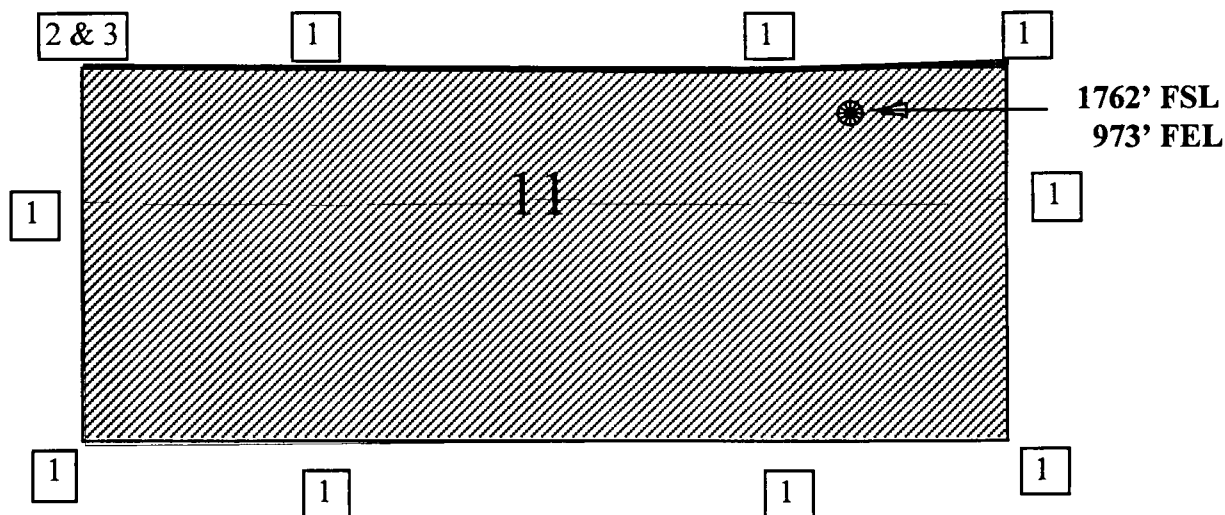
**OFFSET OPERATOR/OWNER PLAT**

**Non Standard Location**

**(Section 11 is a Non Standard Section)**

**Fruitland Coal Formation Well**

**Township 28 North, Range 11 West**



- 1) Burlington Resources
- 2) Taurus Exploration U.S.A.  
2198 Bloomfield Highway  
Farmington, NM 87401
- 3) Chaparral Oil & Gas Company  
P.O. Box B  
Aztec, NM 87410

Re: Angel Peak #27  
1762'FSL, 973'FEL, Section 11, T-28-N, R-11-W, San Juan County  
30-045-25699

I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard well location of the above well.

Taurus Exploration USA  
2198 Bloomfield Highway  
Farmington, NM 87401

Chaparral Oil & Gas Company  
PO Box "B"  
Aztec, NM 87410

A handwritten signature in cursive script, appearing to read "Peggy Bradfield".

Peggy Bradfield  
Regulatory/Compliance Administrator  
Burlington Resources

April 8, 1998

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

<b>TYPE OF WELL:</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> SF 047017-A	
<b>1. TYPE OF COMPLETION:</b> NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> _____	
<b>2. NAME OF OPERATOR</b> Union Texas Petroleum Corporation		<b>7. UNIT AGREEMENT NAME</b> _____	
<b>3. ADDRESS OF OPERATOR</b> P. O. Box 808, Farmington, New Mexico 87499		<b>8. FARM OR LEASE NAME</b> Angel Peak	
<b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*</b> At surface 1762 ft/South; 973 ft/East At top prod. interval reported below Same as above At total depth Same as above		<b>9. WELL NO.</b> 27	
<b>14. PERMIT NO.</b> _____ <b>DATE ISSUED</b> _____ EXPLORATION & PRODUCTION FILES		<b>10. FIELD AND POOL, OR WILDCAT</b> Undesignated Gallup	
<b>15. DATE SPUDDED</b> 5-26-83 <b>16. DATE T.D. REACHED</b> 6-4-83 <b>17. DATE COMPL. (Ready to prod.)</b> 6-14-83		<b>11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA</b> Sec. 11, T28N, R11W, N.M.P.M.	
<b>18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*</b> 5742' R.K.B.		<b>12. COUNTY OR PARISH</b> San Juan <b>13. STATE</b> New Mexico	
<b>19. ELEV. CASINGHEAD</b> 5730' G.R.		<b>20. TOTAL DEPTH, MD &amp; TVD</b> 6075' <b>21. PLUG, BACK T.D., MD &amp; TVD</b> 6043'	
<b>22. IF MULTIPLE COMPL., HOW MANY*</b> _____ <b>23. INTERVALS DRILLED BY</b> _____		<b>ROTARY TOOLS</b> 0-6075' <b>CABLE TOOLS</b> _____	
<b>24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*</b> 5870' - 6034' Gallup 5415' - 5754' Gallup		<b>25. WAS DIRECTIONAL SURVEY MADE</b> No	
<b>26. TYPE ELECTRIC AND OTHER LOGS RUN</b> DIL-GR, CDL-CNL-GR		<b>27. WAS WELL CORED</b> No	
<b>28. CASING RECORD (Report all strings set in well)</b>			
<b>CASING SIZE</b>	<b>WEIGHT, LB./FT.</b>	<b>DEPTH SET (MD)</b>	<b>AMOUNT PULLED</b>
9-5/8"	36.00#	319'	319 cu. ft.
7"	23.00#	5310'	1475 cu. ft. (2-stages)
4-1/2"	11.60#	5105'-6075'	186 cu. ft. (see attachment)
<b>29. LINER RECORD</b>		<b>30. TUBING RECORD</b>	
<b>SIZE</b>	<b>TOP (MD)</b>	<b>BOTTOM (MD)</b>	<b>PACKER SET (MD)</b>
4-1/2"	5105'	6075'	5922'
<b>31. PERFORATION RECORD (Interval, size and number)</b> 5860' - 6034' 17-0.29" holes 5415' - 5754' 23-0.28" holes		<b>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</b> DEPTH INTERVAL (MD) _____ AMOUNT AND KIND OF MATERIAL USED _____ See Attachment	
<b>33. PRODUCTION</b>			
<b>DATE FIRST PRODUCTION</b> 7-11-83 <b>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</b> Pumping		<b>WELL STATUS (Producing or shut-in)</b> Pumping	
<b>DATE OF TEST</b>	<b>HOURS TESTED</b>	<b>CHOKE SIZE</b>	<b>PROD'N. FOR TEST PERIOD</b>
7-25-83	24	1-1/4"	15
<b>FLOW, TUBING PRESS.</b>	<b>CASING PRESSURE</b>	<b>CALCULATED 24-HOUR RATE</b>	<b>OIL—BBL.</b>
40	174	15	441
		<b>GAS—MCF.</b>	<b>WATER—BBL.</b>
		8	29400
		<b>OIL GRAVITY-API (CORR.)</b>	
		40°	
<b>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)</b> Sold		<b>TEST WITNESSED BY</b> Bennie Brown	
<b>35. LIST OF ATTACHMENTS</b> Cementing and Stimulation Record			
<b>36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records</b>			
<b>SIGNED</b> J. A. Edmister J. A. Edmister		<b>TITLE</b> Engineering Analyst <b>DATE</b> 9-7-83	

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

DATE IN 4/9/98	SUSPENSE 4/29/98	ENGINEER MS	LOGGED NW	TYPE NSL
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

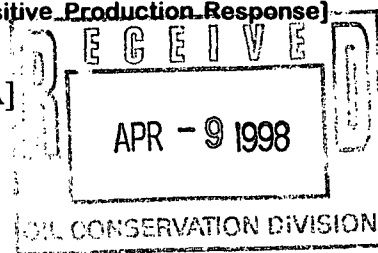
- Engineering Bureau -

### ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

#### Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
 [DD-Directional Drilling] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]



#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling  
☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

#### [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Bradfield

Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date

# BURLINGTON RESOURCES

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SAN JUAN DIVISION

April 8, 1998

**Federal Express**

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Re: Angel Peak #27  
1762'FSL, 973'FEL, Section 11, T-28-N, R-11-W, San Juan County  
30-045-25699

Dear Mr. Stogner:

This is a request for administrative approval for a non-standard gas well location in the Basin Fruitland Coal pool.

Burlington Resources intends to recompleate the Angel Peak #27 in the Basin Fruitland Coal pool by plugging the well back from the Armenta Gallup. This location is considered off-pattern for Fruitland Coal.

Production from the Basin Fruitland Coal is included in a 257.48 acre gas spacing and proration unit ("GPU") comprising all of Section 11.

To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

1. C-102 plat showing location of the well;
2. Plat showing offset owners/operators;
3. Affidavit of notification of offset owners/operators;
4. Copy of Well Completion Log for original completion.

Three copies of this application are being submitted to all offset owners/operators by certified mail with a request that they furnish your Santa Fe office with a copy of Waiver of Objection, return one copy to this office, and retain one copy for their files.

Sincerely yours,



Peggy Bradfield  
Regulatory/Compliance Representative

**WAIVER**

\_\_\_\_\_ hereby waives objection to Burlington Resources' application for non-standard location for the Angel Peak #27 as proposed above.

By: \_\_\_\_\_ Date: \_\_\_\_\_

xc: Taurus Exploration USA  
Chaparral Oil & Gas

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer 00, Artesia, NM 88211-0719

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

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

Form  
Revised February 2, 1997  
Instructions:  
Submit to Appropriate District  
State Lease - 4  
Fee Lease - 3

☐ AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-25699		*Pool Code 71629/2290	*Pool Name Basin Fruitland Coal/Armenta Gallun
*Property Code 6787	*Property Name ANGEL PEAK		*Well Number 27
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5730'

<sup>10</sup> Surface Location

UL or lot no. I	Section 11	Township 28N	Range 11W	Lot Idn	Feet from the 1762	North/South line South	Feet from the 973	East/West line East	Cont SAN
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Cont
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<sup>12</sup> Dedicated Acres Frt-A11-257.48 Gal-24	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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

<div><p><sup>16</sup></p><p>*Not re-surveyed: Prepared from plat By: Michael Daly Dated 23 February, 1983</p></div>	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained on this plat is true and complete to the best of my knowledge and belief.</p> <p><i>Peggy Bradfield</i> Signature</p> <p>Peggy Bradfield Printed Name</p> <p>Regulatory Administrator Title</p> <p>11-10-97 Date</p>
	<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>NOVEMBER 4, 1997 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p><b>NEALE C. EDWARDS</b> NEW MEXICO 6857 PROFESSIONAL SURVEYOR</p> <p>Certificate Number</p>

$$1 \frac{863206.4 \text{ ft}^2}{1320} = (1320)(x) \\ = x = 793.98$$

1762  
1320  
442



***BURLINGTON RESOURCES OIL AND GAS COMPANY***

**Angel Peak #27**

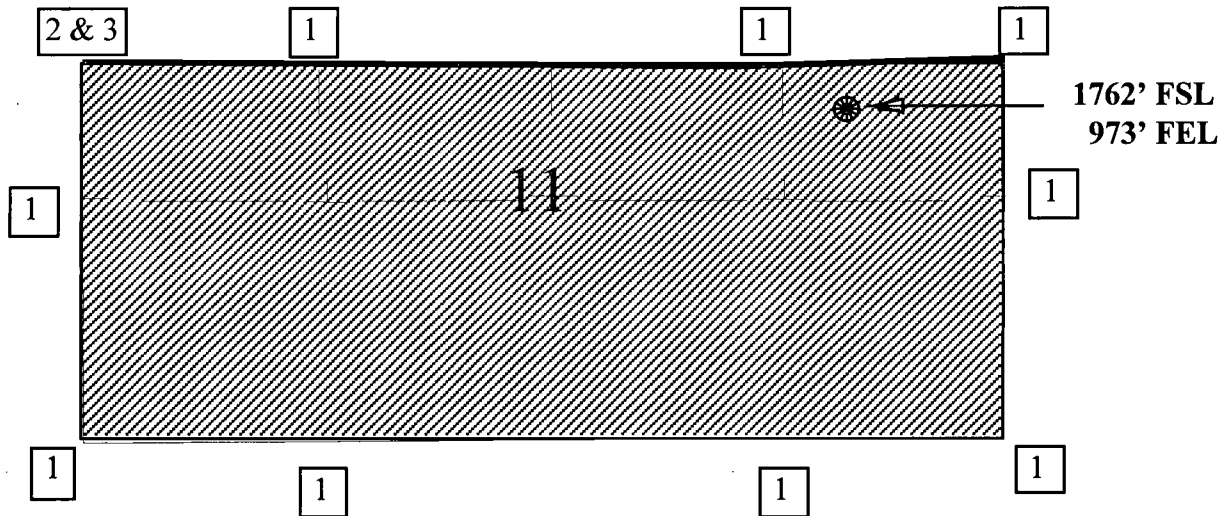
**OFFSET OPERATOR/OWNER PLAT**

**Non Standard Location**

**(Section 11 is a Non Standard Section)**

**Fruitland Coal Formation Well**

**Township 28 North, Range 11 West**



- 1) Burlington Resources
- 2) Taurus Exploration U.S.A.  
2198 Bloomfield Highway  
Farmington, NM 87401
- 3) Chaparral Oil & Gas Company  
P.O. Box B  
Aztec, NM 87410

Re: Angel Peak #27  
1762'FSL, 973'FEL, Section 11, T-28-N, R-11-W, San Juan County  
30-045-25699

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Taurus Exploration USA  
2198 Bloomfield Highway  
Farmington, NM 87401

Chaparral Oil & Gas Company  
PO Box "B"  
Aztec, NM 87410

A handwritten signature in cursive script, appearing to read "Peggy Bradfield".

Peggy Bradfield  
Regulatory/Compliance Administrator  
Burlington Resources

April 8, 1998

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

<b>TYPE OF WELL:</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>				<b>5. LEASE DESIGNATION AND SERIAL NO.</b> SF 047017-A	
<b>b. TYPE OF COMPLETION:</b> NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG-BACK <input type="checkbox"/> DIFF. RESER. <input type="checkbox"/> Other <input type="checkbox"/>				<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b> 	
<b>2. NAME OF OPERATOR</b> Union Texas Petroleum Corporation				<b>7. UNIT AGREEMENT NAME</b> 	
<b>3. ADDRESS OF OPERATOR</b> P. O. Box 808, Farmington, New Mexico 87499				<b>8. FARM OR LEASE NAME</b> Angel Peak	
<b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*</b> At surface 1762 ft/South; 973 ft/East At top prod. interval reported below Same as above At total depth Same as above				<b>9. WELL NO.</b> 27	
<b>14. PERMIT NO.</b> <b>DATE ISSUED</b> RECEIVED IN OCT 20 1982 EXPLORATION & PRODUCTION FILES				<b>10. FIELD AND POOL, OR WILDCAT</b> Undesignated Gallup	
<b>11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA</b> Sec. 11, T28N, R11W, N.M.P.M.				<b>12. COUNTY OR PARISH</b> <b>13. STATE</b> San Juan New Mexico	
<b>15. DATE SPUDDED</b> 5-26-83	<b>16. DATE T.D. REACHED</b> 6-4-83	<b>17. DATE COMPL. (Ready to prod.)</b> 6-14-83	<b>18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*</b> 5742' R.K.B.	<b>19. ELEV. CASINGHEAD</b> 5730' G.R.	
<b>20. TOTAL DEPTH, MD &amp; TVD</b> 6075'	<b>21. PLUG, BACK T.D., MD &amp; TVD</b> 6043'	<b>22. IF MULTIPLE COMPL., HOW MANY*</b>	<b>23. INTERVALS DRILLED BY</b> →	<b>ROTARY TOOLS</b> 0-6075'	<b>CABLE TOOLS</b>
<b>24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*</b> 5870' - 6034' Gallup 5415' - 5754' Gallup					<b>25. WAS DIRECTIONAL SURVEY MADE</b> No
<b>26. TYPE ELECTRIC AND OTHER LOGS RUN</b> DIL-GR, CDL-CNL-GR					<b>27. WAS WELL CORED</b> No
<b>29. CASING RECORD (Report all strings set in well)</b>					
<b>CASING SIZE</b>	<b>WEIGHT, LB./FT.</b>	<b>DEPTH SET (MD)</b>	<b>HOLE SIZE</b>	<b>CEMENTING RECORD</b>	<b>AMOUNT PULLED</b>
9-5/8"	36.00#	319'	12-1/4"	319 cu. ft.	
7"	23.00#	5310'	8-3/4"	1475 cu. ft. (2 stages)	
4-1/2"	11.60#	5105'-6075'	6-1/4"	186 cu. ft.	
				(see attachment)	
<b>29. LINER RECORD</b>			<b>30. TUBING RECORD</b>		
<b>SIZE</b>	<b>TOP (MD)</b>	<b>BOTTOM (MD)</b>	<b>SACKS CEMENT*</b>	<b>SCREEN (MD)</b>	<b>SIZE</b>
4-1/2"	5105'	6075'	186 cu. ft.		2-3/8"
					5922'
<b>31. PERFORATION RECORD (Interval, size and number)</b> 5860' - 6034' 17-0.29" holes 5415' - 5754' 23-0.28" holes			<b>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</b>		
			<b>DEPTH INTERVAL (MD)</b>	<b>AMOUNT AND KIND OF MATERIAL USED</b>	
				See Attachment	
<b>33.* PRODUCTION</b>					
<b>DATE FIRST PRODUCTION</b> 7-11-83		<b>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</b> Pumping			<b>WELL STATUS (Producing or shut-in)</b> Pumping
<b>DATE OF TEST</b> 7-25-83	<b>HOURS TESTED</b> 24	<b>CHOKE SIZE</b> 1-1/4"	<b>PROD'N. FOR TEST PERIOD</b> →	<b>OIL—BSL.</b> 15	<b>GAS—MCF.</b> 441
<b>WATER—BSL.</b> 8	<b>GAS-OIL RATIO</b> 29400				
<b>FLOW. TUBING PRESS.</b> 40	<b>CASING PRESSURE</b> 174	<b>CALCULATED 24-HOUR RATE</b> →	<b>OIL—BSL.</b> 15	<b>GAS—MCF.</b> 441	<b>WATER—BSL.</b> 8
					<b>OIL GRAVITY-API. (CORR.)</b> 40°
<b>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)</b> Sold					<b>TEST WITNESSED BY</b> Bennie Brown
<b>35. LIST OF ATTACHMENTS</b> Cementing and Stimulation Record					
<b>36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records</b>					
<b>SIGNED</b> J. A. Edmister J. A. Edmister		<b>TITLE</b> Engineering Analyst		<b>DATE</b> 9-7-83	

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1762' FSL, 973' FEL, Sec. 11, T-28-N, R-11-W, NMPM

5. Lease Number  
SF-047017A

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Angel Peak #27

9. API Well No.  
30-045-25699

10. Field and Pool  
Basin Fruitland Coal/  
Armenta Gallup

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☒ Recompletion

☒ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to recomplate the subject well in the Fruitland Coal formation according to the attached procedure and wellbore diagram. The Gallup formation will be plugged and abandoned.

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

Signed Duane W. Spencer (PMPOpps) Title Regulatory Administrator Date 11/20/97

(This space for Federal or State Office use)

APPROVED BY Duane W. Spencer Title \_\_\_\_\_ Date DEC - 4 1997

CONDITION OF APPROVAL, if any:

*(Signature)*

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer 00, Artesia, NM 88211-0719

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

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

# OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088 BLM

For  
Revised February  
Instructions  
Submit to Appropriate District  
State Lease -  
Fee Lease -

97 NOV 25 PM 2:25 ☐ AMENDED R

## WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	'Pool Code	'Pool Name
30-045-25699	71629/2290	Basin Fruitland Coal/Armenta Gallun
'Property Code	'Property Name	'Well Num
6787	ANGEL PEAK	27
'OGRID No.	'Operator Name	'Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	5730

### 10 Surface Location

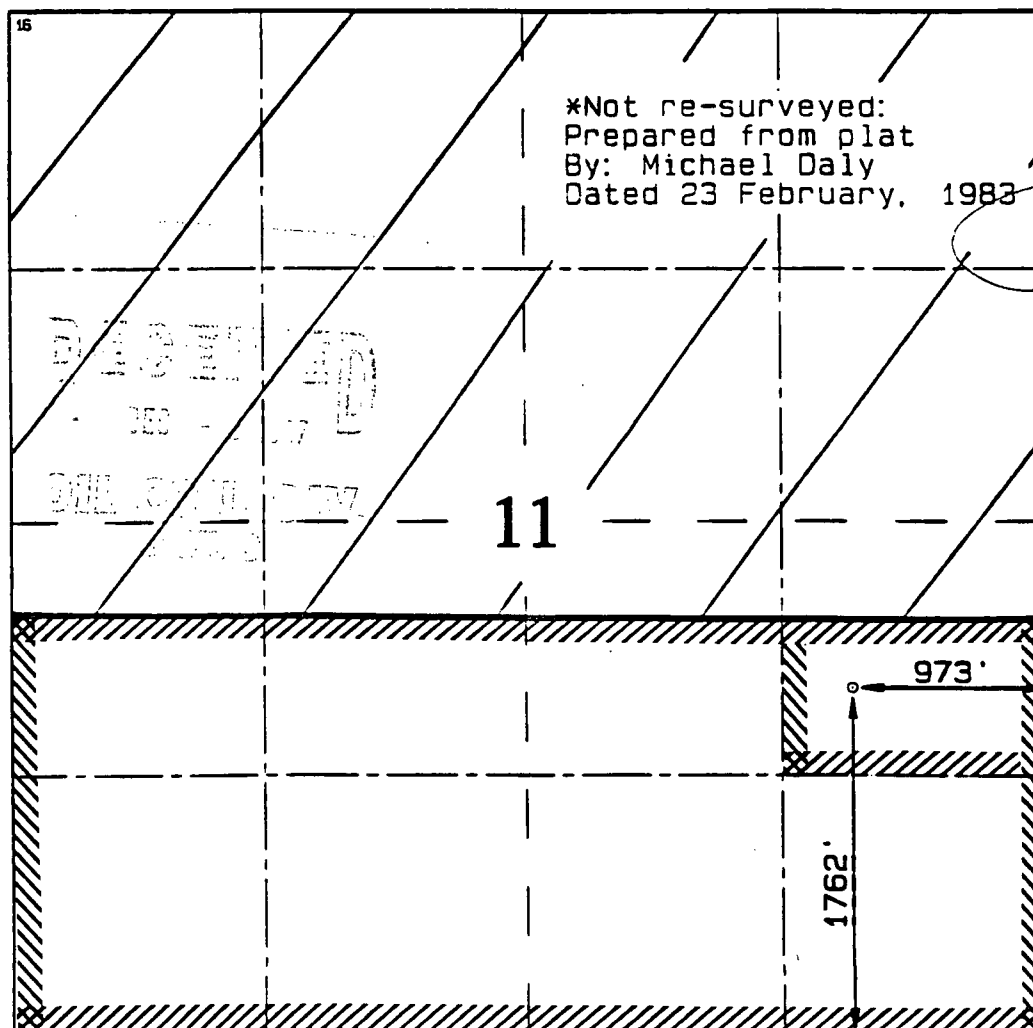
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	
I	11	28N	11W		1762	South	973	East	SAN

### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	

'Dedicated Acres	'Joint or Infill	'Consolidation Code	'Order No.
Frt-Ail-257.48 Gal-24			

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



### 17 OPERATOR CERTIFICATION

I hereby certify that the information correctly  
true and complete to the best of my knowledge

Signature

Peggy Bradfield

Printed Name

Regulatory Administrator

Title

11-10-97

Date

### 18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown  
was plotted from field notes or actual surveys  
or under my supervision and that the same is  
correct to the best of my belief.

NOVEMBER 4, 1997

Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS  
NEW MEXICO  
6857  
Certificate Number  
PROFESSIONAL SURVEYOR

ANGEL PEAK #27 FRTC  
Recompletion Procedure  
I 11 28 11  
San Juan County, N.M.  
Lat-Long: 36.674194 - 107.966934

**PROJECT SUMMARY:** Plugback this 1983 vintage depleted Gallup well to the FRTC and foam frac.

1. Comply to all NMOCD, BLM, and MOI rules and regulations. MOL and RU completion rig. NU 7-1/16" 3000 psi BOP w/flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg @ 5859' and test to 3000 psi. TOH w/2-3/8" tbg. Run 4-1/2" gauge ring on 2-3/8" tbg to 5350'. TOH. Run 4-1/2" cmt ret on 2-3/8" tbg and set @ 5350'. Sq Gallup perfs w/120 sx cmt. This will fill inside 4-1/2" csg from bottom perf to cmt retainer w/100% excess cmt. Sting out of ret and spot 5 sx on top cmt ret.
3. PU tbg and spot <sup>20</sup>15 sx cmt 5155'-5055'. This will fill inside csg 50' above and below top 4-1/2" liner w/50% excess cmt.
4. PU tbg and spot <sup>20</sup>20 sx cmt 3460'-3560'. This will fill inside the csg 50' above and below top of Mesaverde w/50% excess. Spot a 15 sx cmt balanced plug w/top @ 1900'. TOH.
5. MI Blue Jet. Run an advanced integrated data processed GSL neutron log 1900'-1300' and correlate to attached open hole log. Hot-shot log to Mike Pippin (326-9848) so perfs can be picked. Run 7" pkr on 2 jts 2-7/8" 4.7# N-80 tbg and pressure test to 3500 psi. TIH w/2-3/8" tbg open ended and spot 250 gal 7-1/2% HCL acid 1815'-1400'
6. Using GSL log, Perf about 50' of FRTC w/2 spf from about 1816' to 1400'. Perf using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 180 degrees. Average perf dia. = 0.48". Average penetration is 18" in Berea.
7. Fill 3 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Two tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 448 bbls.
8. TIH w/7" pkr on 2-3/8" tbg and set @ 1300'. W/1000 psi on backside, breakdown FRTC perfs w/2000 gal. 15% HCL acid and 150% excess 7/8" 1.3 sp gr RCN perf balls. (1 gal/1000 corrosion inhibitor). Max. pressure is 4150 psi. Lower pkr to 1820' to knock off perf balls. TOH.
9. Run 7" pkr on 2 jts 3-1/2" N-80 tbg w/shaved collars to protect wellhead. Frac FRTC down csg w/62,000 gals. of 70 quality foam using 30# gel as the base fluid and 120,000# 20/40 Arizona sand. Pump at 70 BPM. Monitor bottomhole and surface treating pressures, rate, foam quality, and sand concentration with computer van. Sand to be tagged w/ 3 RA isotope tracers. Max. pressure is 3500 psi and estimated treating pressure is 3200 psi. Treat per the following schedule:

ANGEL PEAK #27 - RECOMPLETE TO FRTC WELL

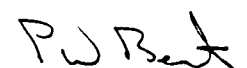
<u>Stage</u>	<u>Foam Vol. (Gals.)</u>	<u>Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	12,000	3,600	---
1.0 ppg	10,000	3,000	10,000
2.0 ppg	20,000	6,000	40,000
3.0 ppg	10,000	3,000	30,000
4.0 ppg	10,000	3,000	40,000
Flush	( 849)	(255)	0
Totals	62,000	18,600	120,000#


Treat frac fluid w/the following additives per 1000 gallons:

- \* 30# J-48 (Guar Gel mix in full tank - 16,000 gal)
- \* 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
- \* 1.0# GVW-3 (Enzyme Breaker mix on fly)
- \* 1.0# B - 5 (Breaker mix on fly)
- \* 3.0 gal Fracfoam I (Foamer mix on fly)
- \* 0.38# FracCide 20 (Bacteriacide mix on full tank)

10. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. Take pitot gauges when possible. TOH w/pkr.
11. TIH w/notched collar on 2-3/8" tbg and C.O. to 1900' w/air/mist. Monitor gas and water returns and Take pitot gauges when possible.
12. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log and perf eff log from 1900'-1300'.
13. TIH w/2-3/8" 4.7# J-55 EUE tbg w/standard seating nipple one joint off bottom and again cleanout to 1900'. When wellbore is sufficiently clean, land tbg @ 1750' KB. Take final water and gas samples and rates.
14. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended:   
Production Engineer

Approved:  10/28/97  
Drilling Superintendent

Approved:  9/21/97  
Team Leader

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	BJ	327-6222
RA Tag:	Pro-Technics	326-7133

PMP

**Pertinent Data Sheet - ANGEL PEAK #27 FRTC**

1 11 28 11

**Location:** 1762' FSL & 973' FEL, Unit I, Section 11, T28N, R11W, San Juan County, New Mexico

**Field:** Basin Fruitland Coal

**Elevation:** 5730' GL  
KB=12'

**TD:** 6075'

**PBTD:** 6043'

**Spud Date:** 5/26/83

**Lease#:** Fed. SF-047017A

**DP #:** 32485B

**GW:** 100%

**NRI:** 87.50%

**Prop#:**

**Casing Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4"	9-5/8"	36# K-55	319'	319 cf	Circ Cmt
8-3/4"	7"	23# K-55	5310'	1410 cf	Circ Cmt
		Stage Tool @	1981'	1065 cf	Circ 15 BBL Cmt
6-1/4"	4-1/2"	11.6# K-55	5105'-6075'	186 cf	Circ 75 BBL Cmt

**Tubing Record:**

2-3/8"	4.7# J-55	5922'	187 Jt
	S.N. @	5859'	

**Formation Tops:**

Ojo Alamo:	600'	Chacra	2410'
Kirtland Shale:	830	Mesaverde	3510'
Fruitland:	1350	Point Lookout	4200'
Pictured Cliffs:	1820'	Gallup	5400'

**Logging Record:** Induction Log, Density-Nuetron Log, Temp (Gallup), CBL (4-1/2" csg).

**Stimulation:** Perfed lower Gallup w/1 spf @ 5870', 78', 88', 5900', 10', 20', 30', 40', 50', 63', 74', 84', 94', 6004', 14', 25', 34'. Total 17 holes. Fraced w/80,000# sand in 75Q foam. Perfed upper Gallup w/1 spf @ 5415', 33', 50', 68', 88', 5515', 36', 55', 74', 94', 5615', 36', 48', 58', 66', 80', 92', 5702', 121', 21', 34', 42', 54'. Total 23 holes. Fraced w/180,000# sand in 70Q foam.

**Workover History:** 1/26/94: TOH w/tbg & rods, cleaned tbg, reran tbg, pressure tested - OK, did not rerun rods.

**Production History:** Gallup cum = 8 <sup>EO</sup>MMCF & 246,493 <sup>MMCF</sup>BO. No Gallup reserves are currently booked. See attached Gallup production curve. This well is on the Rudy-Zachry compression system.

**Pipeline:** BROG



# ANGEL PEAK #27

AS OF 6/6/94

ARMENTA GALLUP

UNIT 1, SEC 11, T28N, R11W, SAN JUAN COUNTY, NM

COMPLETED 6/14/83

OJO ALAMO @ 600'  
KIRTLAND @ 830'

FRUITLAND @ 1350'

PICTURED CLIFFS @ 1820'  
LEWIS @ 1890'

CHACRA @ 2410'

CLIFF HOUSE @ 3510'

POINT LOOKOUT @ 4200'  
MANCOS @ 4510'

GALLUP @ 5400'

12-1/4" HOLE

9-5/8" 36# K-55 CSG SET @ 323'  
CMT W/ 319 CT.FT.  
CIRC. CMT TO SURFACE

8-3/4" HOLE

D.V. TOOL @ 1981'

2-3/8" 4.7# K-55 TBG SET @ 5922'

LINER TOP @ 5105'

7" 23# K-55 CSG SET @ 5310'  
CMT W/ 1475 CT.FT. (2 STAGES)  
FLOAT COLLAR @ 5265'  
CIRC 10 BBLs CMT TO SURFACE

6-1/4" HOLE

PERF 5415'-5754' FRAC W/ 180,000# SAND & 70Q  
FOAM

PERF 5870'-6034' FRAC W/ 80,000# SAND & 75Q  
FOAM

4-1/2" 11.6# K-55 LINER SET @ 5105'-6075'  
CMT W/ 186 CU.FT.  
FLOAT COLLAR @ 6043'  
CIRC. CMT TO LINER TOP

TD 6075'  
PBD 6043'



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington District Office  
1235 La Plata Highway  
Farmington, New Mexico 87401

IN REPLY REFER TO:

**Attachment to Notice of  
Intention to Workover**

**Re: Plug Back and Recomplete  
Well: 27 Angel Peak**

### CONDITIONS OF APPROVAL

1. Move the Mesaverde cement plug from 3460'-3560' to 3444'-3344' inside the 7.0" casing. (28 sks. cement -- 100' plus 50 linear feet excess) (Mesaverde top @ 3394')
2. Place a cement plug from 2460' to 2360' inside the 7.0" casing plus 50 linear feet excess cement. (28 sks. cement) (top of Chacra @ 2410')
3. **Mike Flaniken** with the Farmington District Office is to be notified at least 24 hours before the workover operations commence (505) 599-8907.

District I  
PO 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

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

State of New Mexico  
Energy, Minerals, & Natural Resources Department

Form C-104  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

OIL CONSERVATION DIVISION  
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 Burlington Resources Oil & Gas PO Box 4289 Farmington, NM 87499		<sup>2</sup> OGRID Number 14538
		<sup>3</sup> Reason for Filing Code CO - 7/11/96
<sup>4</sup> API Number 30-045-25699	<sup>5</sup> Pool Name ARMENTA GALLUP	<sup>6</sup> Pool Code 2290
<sup>7</sup> Property Code 006787	<sup>8</sup> Property Name ANGEL PEAK	<sup>9</sup> Well Number #27

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

UI or lot no. I	Section 11	Township 028N	Range 011W	Lot.Idn	Feet from the 1762	North/South Line S	Feet from the 973	East/West Line E	County SAN JUAN
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<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	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</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
14538	BURLINGTON RESOURCES OIL & GAS 5051 WESTHEIMER SUITE 1400 HOUSTON, TX 77056-2124		G	I-11-T028N-R011W
9018	Giant Industries 5764 US Hwy 64 Farmington, NM 87401	1315210	O	I-11-T028N-R011W

IV. Produced Water

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

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBSD	<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: <i>Dolores Diaz</i>		OIL CONSERVATION DIVISION Approved by: Frank T. Chavez Title: District Supervisor Approved Date: July 11, 1996	
Printed Name: Dolores Diaz Title: Production Associate Date: 7/11/96 Phone: (505) 326-9700			
<sup>47</sup> If this is a change of operator fill in the OGRID number and name of the previous operator 14538 Meridian Oil Production			
Previous Operator Signature Signature: <i>Dolores Diaz</i>		Printed Name Dolores Diaz	Title Production Associate Date 7/11/96

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

State of New Mexico  
Energy, Minerals, & Natural Resources Department

Form C-104  
Revised February 21, 1994

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

INSTRUCTIONS ON BACK  
Submit to Appropriate District Office  
5 Copies  
AMMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator Name and Address  MERIDIAN OIL, INC. PO Box 4289 Farmington, NM 87499  DHC-1009		<sup>2</sup> OGRID Number  14538
		<sup>3</sup> Reason for Filing Code  CO/09-01-95
<sup>4</sup> API Number 30-45-2569900	<sup>5</sup> Pool Name ARMENTA GALLUP	<sup>6</sup> Pool Code 3188
<sup>7</sup> Property Code 71214200	<sup>8</sup> Property Name ANGEL PEAK	<sup>9</sup> Well Number #27

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

UI or lot no. I	Section 11	Township 028N	Range 011W	Lot.Idn	Feet from the 1762	North/South Line S	Feet from the 973	East/West Line E	County SAN JUAN
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<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		<sup>13</sup> Producing Method Code		<sup>14</sup> Gas Connection Date		<sup>15</sup> C-129 Permit Number		<sup>16</sup> C-129 Effective Date	<sup>17</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
14538	MERIDIAN OIL PRODUCTION INC 5051 WESTHEIMER SUITE 140 HOUSTON, TX 77056-2124		G	I-11-T028N-R011W
9018	GIANT INDUSTRIES, INC. 5764 U.S. HWY. 64 FARMINGTON, NM 87401	1315210	O	I-11-T028N-R011W

IV. Produced Water

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

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBTD	<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> Thg. 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: <i>Dolores Diaz</i>		OIL CONSERVATION DIVISION	
Printed Name: Dolores Diaz		Approved by: <i>378</i> SUPERVISOR DISTRICT #3	
Title: Production Assistant		Approved Date: <b>OCT - 4 1995</b>	
Date: 27 September, 1995	Phone: (505) 326-9700		
<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

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

## OIL CONSERVATION DIVISION

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

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

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

OIL CONSERVATION DIVISION  
Well APINo. RECEIVED

Operator <b>MERIDIAN OIL INC.</b>	Well APINo. RECEIVED
Address P. O. Box 4289, Farmington, New Mexico 87499	
Reason(s) for Filing (Check proper box) New Well <input type="checkbox"/> Change in Transporter of: Recompletion <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Change in Operator <input checked="" type="checkbox"/> Casinghead Gas <input checked="" type="checkbox"/> Condensate <input type="checkbox"/> Other (Please explain) <u>Effect. 6/23/90</u>	
If change of operator give name and address of previous operator <u>Union Texas Petroleum Corporation, P. O. Box 2120, Houston, TX 77252-2120</u>	

### II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>ANGEL PEAK</b>	Well No. <b>27</b>	Pool Name, Including Formation <b>ARMENTA GALLUP</b>	Kind of Lease State, Federal or Fee	Lease No. <b>SF047017A</b>
Location Unit Letter <u>I</u> : <u>1702</u> Feet From The <u>S</u> Line and <u>973</u> Feet From The <u>E</u> Line Section <u>11</u> Township <u>28N</u> Range <u>11W</u> , <u>NMPM</u> <u>SAN JUAN</u> County				

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

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> <b>Meridian Oil Inc.</b>	Address (Give address to which approved copy of this form is to be sent) <b>P. O. Box 4289, Farmington, NM 87499</b>					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <b>Union Texas Petroleum Corp.</b>	Address (Give address to which approved copy of this form is to be sent) <b>P.O. Box 2120, Houston, TX 77252-2120</b>					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?

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
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

### 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 Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

### GAS WELL

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. OPERATOR 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 above is true and complete to the best of my knowledge and belief.

Signature Leslie Kahway  
Printed Name Leslie Kahway Prod. Serv. Supervisor  
Date 6/15/90 Telephone No. (505)326-9700

### OIL CONSERVATION DIVISION

Date Approved JUL 03 1990  
By Brian J. Shoup  
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 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.

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico OIL CONSERVATION DIVISION  
Energy, Minerals and Natural Resources Department

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

Form C-104  
Revised 1-1-89  
See instructions  
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

I.	
Operator Union Texas Petroleum Corporation	Well API No.
Address P.O. Box 2120 Houston, Texas 77252-2120	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE				
Lease Name Angel Peak	Well No. 27	Pool Name, Including Formation AEMENTA (Gallup)	Kind of Lease State, Federal or Fee	Lease No. SF047017A
Location				
Unit Letter I	1762	Feet From The S	Line and 973	Feet From The E
Section 11	Township 28N	Range 11W	NMPM.	SAN JUAN County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS				
Name of Authorized Transporter of Oil Meridian Oil Inc.	<input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P.O. Box 4289, Farmington, NM 87499		
Name of Authorized Transporter of Casinghead Gas Union Texas Petroleum Corp.	<input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P.O. Box 2120, Houston, TX 77252-2120		
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge. Is gas actually connected? When?
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
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

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 Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF
GAS WELL			
Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (puot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.	
Signature Annette C. Bisby	Env. & Reg. Sec'try
Printed Name 08-09-89	Title (713)968-4012
Date	Telephone No.

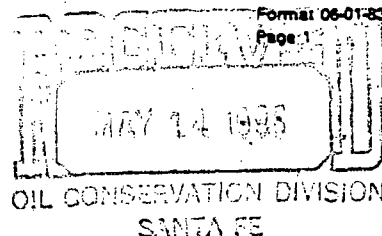
OIL CONSERVATION DIVISION	
Date Approved AUG 28 1989	
By B. J. Chang	SUPERVISION DISTRICT # 3
Title	

- INSTRUCTIONS: This form is to be filed in compliance with Rule 1104
- 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.

NO. OF COPIES DESIRED	
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TRANSPORTER	OIL
	NATURAL 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

Union Texas Petroleum Corporation

Address

P. O. Box 1290, Farmington, New Mexico 87499

Reason(s) for filing (Check proper box)

- ☐ New Well  
☐ Recompletion  
☐ Change in Ownership

Change in Transporter of:

- ☒ Oil  
☐ Condensate  
☐ Dry Gas  
☐ Casinghead Gas

Other (Please explain)

If change of ownership give name  
and address of previous owner

I. DESCRIPTION OF WELL AND LEASE

Lease Name Angel Peak	Well No. 27	Pool Name, including Formation Armenta Gallup	Kind of Lease State, Federal or Fee Federal SF	Lease No. 047017-A
Location Unit Letter <u>I</u> : <u>1762</u> Feet From The <u>South</u> Line and <u>973</u> Feet From The <u>East</u> Line of Section <u>11</u> Township <u>28N</u> Range <u>11W</u> , NMPM, <u>San Juan</u> County				

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Conoco, Inc. Surface Transportation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1429, Bloomfield, N.M. 87413					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Union Texas Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1290, Farmington, N.M. 87499					
If well produces oil or liquids, give location of tanks.	Unit I	Sec. 11	Twp. 28N	Range 11W	Is gas actually connected? Yes	When

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

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

I. 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.

Kenneth E. Roddy (Signature)

Area Production Superintendent

(Title)

4/26/85

(Date)

OIL CONSERVATION DIVISION

APPROVED \_\_\_\_\_ 19\_\_\_\_  
BY Frank  
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 allow-  
able 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.

#### IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil well	Gas well	New Well	Workover	Deepen	Plug Back	Same Reservoir	DILL R
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
Particulations						Depth Casing Shoe			

#### TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top of hole for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Cable Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

#### GAS WELL

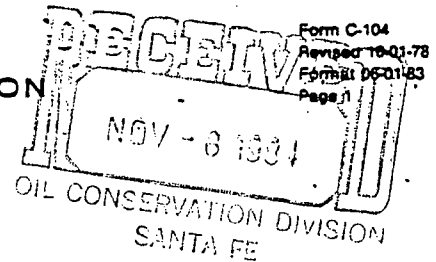
Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Start-End)	Casing Pressure (Start-End)	Cable Size



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED		
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TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRODUCTION OFFICE		

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501



REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator  
Union Texas Petroleum Corporation

Address  
P. O. Box 1290, Farmington, New Mexico 87499

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input checked="" type="checkbox"/> Oil	<input type="checkbox"/> Condensate
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Coalinghead Gas	

Other (Please explain) .007877-4  
OIL CONSERVATION DIVISION

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Angel Peak	Well No. 27	Pool Name, including Formation Armenta Gallup	Kind of Lease State, Federal or Fee Fed. SF	Lease No. 047017-A
Location Unit Letter <u>I</u> : <u>1762</u> Feet From The <u>South</u> Line and <u>973</u> Feet From The <u>East</u> Line of Section <u>11</u> Township <u>28N</u> Range <u>11W</u> , NMPM. <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Gary Energy Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 489, Bloomfield, N.M. 87413					
Name of Authorized Transporter of Coalinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Union Texas Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1290, Farmington, N.M. 87499					
If well produces oil or liquids, give location of tanks.	Unit I	Sec. 11	Twp. 28N	Range 11W	Is gas actually connected? Yes	When

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.

Kenneth E. Roddy  
Kenneth E. Roddy (Signature)  
Area Production Superintendent  
(Title)  
9/27/84  
(Date)

OIL CONSERVATION DIVISION

APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY Frank J. Davis  
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.

#### IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	Diff. Res.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
Perforations						Depth Casing Shoe			
<b>TUBING, CASING, AND CEMENTING RECORD</b>									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT			

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of lead 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	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

#### GAS WELL

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

SF 047017-A

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Angel Peak

9. WELL NO.

27

10. FIELD AND POOL OR WILDCAT

Undesignated Gallup

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

Sec. 11, T28N, R11W, N.M.P.M.

12. COUNTY OR PARISH

San Juan New Mexico

13. STATE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG-BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Union Texas Petroleum Corporation

3. ADDRESS OF OPERATOR

P. O. Box 808, Farmington, New Mexico 87499

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

At surface 1762 ft/South; 973 ft/East

At top prod. interval reported below Same as above

At total depth Same as above

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD

5-26-83 6-4-83 6-14-83 5742' R.K.B. 5730' G.R.

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

6075' 6043' 0-6075' 5870' - 6034' Gallup 5415' - 5754' Gallup No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

DIL-GR, CDL-CNL-GR No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36.00#	319'	12-1/4"	319 cu. ft.	
7"	23.00#	5310'	8-3/4"	2475 cu. ft. (2 stages)	
4-1/2"	11.60#	5105'-6075'	6-1/4"	186 cu. ft.	
				(see attachment)	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	5105'	6075'	186 cu. ft.		2-3/8"	5922'	

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

5860' - 6034' 17-0.29" holes  
5415' - 5754' 23-0.28" holes

33.\* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

7-11-83 Pumping Pumping

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

7-25-83 24 1-1/4" 15 441 8 29400

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

40 174 15 441 8 40°

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

Sold Bennie Brown

35. LIST OF ATTACHMENTS

Cementing and Stimulation Record

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

SIGNED J.A. Edmister TITLE Engineering Analyst

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

NMOCC

BY Smm

# 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 for which interval to be separately produced. (See instruction for items 22 and 24 above.)

(See instructions and spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES		38. GEOLOGIC MARKERS		39. MEAS. DEPTH		40. TRUE VERT. DEPTH	
FORMATION	TOP	FORMATION	TOP	MEAS. DEPTH	TRUE VERT. DEPTH		
		Ojo Alamo	600				
		Kirtland	830				
		Fruitland	1350				
		Pictured Cliffs	1820				
		Lewis	1890				
		Chacra	2410				
		Cliff House	3510				
		Point Lookout	4200				
		Mancos	4510				
		Gallup	5400				

37. SUMMARY OF POROUS ZONES		38. GEOLOGIC MARKERS		39. MEAS. DEPTH		40. TRUE VERT. DEPTH	
FORMATION	TOP	FORMATION	TOP	MEAS. DEPTH	TRUE VERT. DEPTH		
		Ojo Alamo	600				
		Kirtland	830				
		Fruitland	1350				
		Pictured Cliffs	1820				
		Lewis	1890				
		Chacra	2410				
		Cliff House	3510				
		Point Lookout	4200				
		Mancos	4510				
		Gallup	5400				

37. SUMMARY OF POROUS ZONES		38. GEOLOGIC MARKERS		39. MEAS. DEPTH		40. TRUE VERT. DEPTH	
FORMATION	TOP	FORMATION	TOP	MEAS. DEPTH	TRUE VERT. DEPTH		
		Ojo Alamo	600				
		Kirtland	830				
		Fruitland	1350				
		Pictured Cliffs	1820				
		Lewis	1890				
		Chacra	2410				
		Cliff House	3510				
		Point Lookout	4200				
		Mancos	4510				
		Gallup	5400				

37. SUMMARY OF POROUS ZONES		38. GEOLOGIC MARKERS		39. MEAS. DEPTH		40. TRUE VERT. DEPTH	
FORMATION	TOP	FORMATION	TOP	MEAS. DEPTH	TRUE VERT. DEPTH		
		Ojo Alamo	600				
		Kirtland	830				
		Fruitland	1350				
		Pictured Cliffs	1820				
		Lewis	1890				
		Chacra	2410				
		Cliff House	3510				
		Point Lookout	4200				
		Mancos	4510				
		Gallup	5400				

SEP 20 1963  
CON. DIV.  
DIST. 9

Ojo Alamo  
Kirtland  
Fruitland  
Pictured Cliffs  
Lewis  
Chacra  
Cliff House  
Point Lookout  
Mancos  
Gallup

6-4-83  
6-14-83  
6-4-83

11.804  
22.004  
36.004

158 cu. ft.  
6075  
2102

17-0-28  
17-0-28  
17-0-28

1-83  
1-83  
1-83

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1-83

Angel Peak No. 27  
Sec. 11, T28N, R11W, N.M.P.M.  
San Juan County, New Mexico

RECEIVED  
FEB 19 1963  
CIVIL DIV.  
CARTO

Item 28 Cementing Record

Cemented 9-5/8" casing with 319 cu. ft. C1 B with 2%  $\text{CaCl}_2$ .  
Cemented 7" 1st stage with 1292 cu. ft. 65-35 Poz with 12% gel, 12-1/4# Gilsonite and 1/4# Flocele per sack followed by 118 cu. ft. C1 B with 2%  $\text{CaCl}_2$ .  
Cemented 2nd stage with 947 cu. ft. 65-35 Poz with 12% gel, 12-1/4# Gilsonite and 1/4# Flocele per sack followed by 118 cu. ft. C1 B with 2%  $\text{CaCl}_2$ .  
Cemented 4-1/2" with 186 cu. ft. 50-50 Poz with 2% gel, 0.6% FLA, 1/4# Flocele, and 10# salt per sack.

Item 32 Stimulation Record

Perfs 5860' - 6034' Break down and acidize with 2200 gallons 15% HCL.  
Fracture with 2,441,050 SCF  $\text{N}_2$ ; 30,366 gallons KCL water and 80,000# sand.

Perfs 5415' - 5754' Break down and acidize with 2800 gallons 15% HCL.  
Fracture with 45,000 gallons 70 & 75 quality foam pad, 98,922 gallons 70 quality foam and 180,000# sand.

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LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
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  
Union Texas Petroleum Corporation  
Address  
P. O. Box 808, Farmington, New Mexico 87499  
Reason(s) for filing (Check proper box)  
New Well ☐ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐  
Other (Please explain)  
This well began producing into UTP pipeline on 7/11/83 for testing.

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Angel Peak	Well No. 27	Pool Name, Including Formation Undesignated Gallup	Kind of Lease State, Federal or Fee Fed. SF	Lease No. 047017-A
Location Unit Letter I ; 1762 Feet From The South Line and 973 Feet From The East Line of Section 11 Township 28N Range 11W , NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Plateau, Inc.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 489, Bloomfield, N.M. 87413			
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Union Texas Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 808, Farmington, N.M. 87499			
If well produces oil or liquids, give location of tanks.	Unit I	Sec. 11	Twp. 28N	Rge. 11W
	Is gas actually connected? yes		When 7/9/83	

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) XX	Oil Well XX	Gas Well	New Well XX	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded 5/26/83	Date Compl. Ready to Prod. 6/14/83	Total Depth 6075	P.B.T.D. 6043					
Elevations (DF, RKB, RT, GR, etc.) 5742 R.K.B.	Name of Producing Formation Gallup	Top Oil/Gas Pay 5415	Tubing Depth 5922					
Perforations 5415 - 6034	Depth Casing Shoe 6075							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12-1/4"	9-5/8", 36.00#, K-55		319		319 cu. ft.			
8-3/4"	7", 23.00#, K-55		5310		2475 cu. ft. (2 Stages)			
6-1/4"	4-1/2", 11.60#, K-55		5105 - 6075		186 cu. ft.			
	2-3/8", E.U.E., 4.70#		5922					

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 7/11/83	Date of Test 7/25/83	Producing Method (Flow, pump, gas lift, etc.) Pumping	
Length of Test 24 hours	Tubing Pressure 40	Casing Pressure 174	Choke Size 1-1/4"
Actual Prod. During Test 15 bbl.	Oil-Bbls. 15	Water-Bbls. 8	Gas-MCF 441

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, 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.

Kenneth E. Roddy  
Kenneth E. Roddy (Signature)  
Area Production Superintendent  
(Title)  
August 17, 1983  
(Date)

OIL CONSERVATION COMMISSION

APPROVED AUG 9 1983  
BY [Signature]  
SUPERVISOR DISTRICT #3  
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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

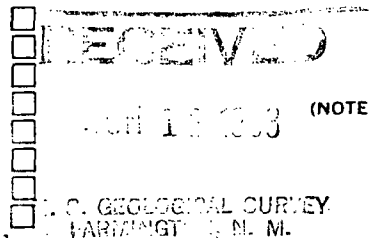
1. oil well ☒ gas well ☐ other ☐
2. NAME OF OPERATOR  
Union Texas Petroleum Corporation
3. ADDRESS OF OPERATOR  
P. O. Box 808, Farmington, N.M. 87499
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1762 ft./S; 973 ft./E lines  
AT TOP PROD. INTERVAL: Same as above  
AT TOTAL DEPTH: Same as above
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

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

SUBSEQUENT REPORT OF:

(other) Drilled to T.D. and cased



(NOTE: Report results of multiple completion or zone change on Form 9-330.)  
JUN 22 1983

OIL CON. DIV.  
DIST. C

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.)\*

1. Spudded 12-1/4" hole at 6:30 P.M., 5-26-83.
2. Drilled 12-1/4" surface hole to a total depth of 323 ft. R.K.B.
3. Ran 7 joints 9-5/8", 36.0#, K-55 casing and set at 319 ft. R.K.B.
4. Cemented with 319 cu. ft. Class "B" with 2% CaCl<sub>2</sub>. Circulated cement to surface.
5. Wait on cement 13 hours.
6. Pressure tested casing to 1500 PSI.
7. Drilled 8-3/4" hole with mud to an intermediate total depth of 5310 ft. R.K.B.
8. Logged well.
9. Ran 119 joints 7", 23.0#, K-55 casing from surface to 5310 ft. R.K.B. Float collar at 5265 ft. R.K.B., D.V. tool at 1981 ft. R.K.B.

(Over)

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED W. K. Cooper TITLE Field Oper. Mgr. DATE June 9, 1983

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE ACCEPTED FOR RECORD

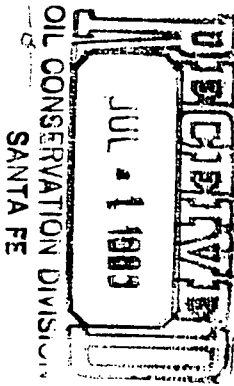
JUN 21 1983

\*See Instructions on Reverse Side

NMOCC

FARMINGTON DISTRICT

CV SM



### 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.

GPO : 1981 O - 347-166

10. Cemented first stage with 1292 cu. ft. 65-35 Poz with 12% gel, 12-1/4# Gilsomite and 1/4# Flocele per sack followed by 118 cu. ft. Class "B" with 2% CaCl<sub>2</sub>. Cemented second stage with 947 cu. ft. 65-35 Poz with 12% gel, 12-1/4# Gilsomite and 1/4# Flocele per sack followed by 118 cu. ft. Class "B" with 2% CaCl<sub>2</sub>. Circulated 10 bbls. to surface. Plug down at 5:45 A.M., 6-1-83.
11. Wait on cement 11-1/2 hours.
12. Drilled out D.V. tool and pressure tested to 1500 PSI.
13. Drilled 6-1/4" hole with natural gas to a total depth of 6075 ft. R.K.B.
14. Logged well.
15. Ran 30 joints 4-1/2", 11.6#, K-55 casing as liner and set at 6075 ft. R.K.B. Top at 5105 ft. R.K.B., float collar at 6043 ft. R.K.B.
16. Cemented with 186 cu. ft. 50-50 Poz with 2% gel, 0.6% FLA, 1/4# Flocele per sack and 10% salt. Reversed out 15 bbls. cement.
17. Released rig at 6:00 A.M., 6-4-83.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.

MAY 11 1983

5. LEASE DESIGNATION AND SERIAL NO.

SF 047017-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Angel Peak

9. WELL NO.

27

10. FIELD AND POOL, OR WILDCAT

Undesignated Gallup

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREASec. 11, T-28N, R-11W,  
N.M.P.M.

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONEMULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Union Texas Petroleum Corporation

3. ADDRESS OF OPERATOR

P. O. Box 808, Farmington, New Mexico 87499

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

At surface

1762 ft./South line and 973 ft./East line

At proposed prod. zone

Same as above

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

2 miles South of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED\*

349 ft.

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 347 ft.

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1836 ft.

16. NO. OF ACRES IN LEASE

402.34

19. PROPOSED DEPTH

6037'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

24.06

20. ROTARY OR CABLE TOOLS

Rotary

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

5730' GR

DRILLING OPERATIONS AUTHORIZED ARE

SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START\*

May 10, 1983

23. "GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative  
appeal pursuant to 30 CFR 280.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	36.0# K-55	300'	250 cu. ft. (circulated)
8-3/4"	7"	26.0# K-55	5400'	1400 cu. ft. (circulated)
6-1/4"	4-1/2"	11.6# K-55	5200' - 6037'	150 cu. ft. (top of liner)

We desire to drill 13-3/4" surface hole to approx. 300 ft. using natural mud as a circulating medium. Run new 9-5/8" casing to TD. Cement with approx. 250 cu. ft. of Class "B" cement circulated to the surface. Pressure test the casing to approx. 800 PSIG for 10 minutes. Drill 8-3/4" hole to approx. 5400 ft. using a starch base, permaloid, nondispersed mud as the circulating medium. Log the well. Run new 7" casing to TD with a DV tool at approx. 2000 ft. Cement 1st stage with approx. 750 cu. ft. of 65/35/6 followed by approx. 100 cu. ft. of Class "B" cement. Cement the second stage with approx. 450 cu. ft. of 65/35/12 followed by approx. 100 cu. ft. of Class "B". Circulate cement to surface. Drill out the DV tool. Pressure test the pipe to 1500 PSIG for 10 minutes. Drill out with 6-1/4" bit to approx. 6037 ft. using natural gas as the circulating medium. Log the well. Run new 4-1/2" casing to TD and cement with approx. 150 cu. ft. of 50/50 Poz mix. WOC. Perforate and fracture the Gallup zone. Clean the well up. Run new 2-3/8" EUE, 4.7# J-55 tubing to the Gallup zone. Run rod pump and rods. Set a pumping unit and tanks. Install a pipeline from the wellhead to the existing Rudy Gathering System and test the well. The gas from this well has previously been dedicated to a transporter. NOTE: Actual cement volumes to be calculated from caliper log.

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 W. K. CooperTITLE Field Operations ManagerDATE April 8, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDEDDATE  
MAY 09 1983JAMES F. SIMS  
DISTRICT ENGINEER

NMOCC

All distances must be from the outer boundaries of the Section.

Operator <b>UNION TEXAS PETROLEUM CORPORATION</b>			Lease <b>ANGEL PEAK</b>		Well No. <b>27</b>
Unit Letter <b>I</b>	Section <b>11</b>	Township <b>28 NORTH</b>	Range <b>11 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>1762</b> feet from the <b>SOUTH</b> line and <b>973</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>5730</b>	Producing Formation <b>Gallup</b>		Pool <b>Undesignated Gallup</b>		Dedicated Acreage: <b>Lot 1 24.06</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Division

RECEIVED

APR 11 1983

U. S. GEOLOGICAL SURVEY  
DIST. 3

RECEIVED

APR 8 1983

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

## CERTIFICATION

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

Name

Rudy D. Motto

Position

Area Operations Manager

Company

Union Texas Petroleum Corp.

Date

March 10, 1983

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

February 23, 1983

Registered Professional Engineer  
and/or Land Surveyor

Michael Daly

Certificate No.

5992