

NSP 10/13/98

# **BURLINGTON RESOURCES**

SAN JUAN DIVISION

Sent Federal Express September 21, 1998

SEP 22 1998

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

Re: San Juan 30-5 Unit #263  
1425'FNL, 1120'FEL, Section 13, T-30-N, R-5-W, Rio Arriba  
30-039-not assigned

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Basin Fruitland Coal. This application for the referenced location is at the request of the Carson National Forest, and that Section 13 is a short section. This well is located at a standard footage north-south, and a non-standard footage east-west.

The east half (E/2) of Section 13 is fractional and consists of a 217'+/- wide east-west drilling window. The terrain is heavily timbered steep slopes with exposed sandstone cliffs (see enlarged topographic map). The proposed location is adjacent to an existing well, the San Juan 30-5 Unit #104 Dakota (30-039-23311) located at 1630'N 1000'E Section 13. The referenced location is at the request of the Carson National Forest to minimize new surface disturbance, eliminates the need for a new access road in the Forest, and reduces visual impact within the Forest.

This is also an application for a nonstandard proration unit. Production from the Basin Fruitland Coal pool is to be included in a 217.7 acre gas spacing and proration unit comprising of the east half (E/2) of Section 13 which lies within a single governmental half-section and is necessitated by a variation in the legal subdivision of the U.S. Public Land Surveys.

The following attachments are for your review:

1. Application for Permit to Drill.
2. Completed C-102 at referenced location.
3. Offset operators/owners plat – Phillips Petroleum is the operator of the Unit and has given a designation of operator to Burlington Resources for this well.
4. 7.5 minute topographic map showing the orthodox windows, and enlargement of the map to define topographic features.

Mr. Michael Stogner  
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San Juan 30-5 Unit #263  
September 21, 1998

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

We appreciate your earliest consideration of this application.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

xc: NMOCD - Aztec District Office  
Bureau of Land Management – Farmington District Office  
Taurus Exploration  
Phillips Petroleum

WAIVER

\_\_\_\_\_ hereby waives objection to Burlington Resources' application for a non-standard location for the San Juan 30-5 Unit #263 as proposed above.

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080538 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Unit Agreement Name San Juan 30-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name San Juan 30-5 Unit 9. Well Number 263	
4. Location of Well 1425' FNL, 1120' FEL  Latitude 36° 48' 56", Longitude 107° 18' 18"	10. Field, Pool, Wildcat Basin Ft Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec 13, T-30-N, R-5-W API # 30-039-	
14. Distance in Miles from Nearest Town 60 miles to Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1120'	17. Acres Assigned to Well 217.76 E/2	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 100'		
19. Proposed Depth 3742'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6948' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u></u> Regulatory/Compliance Administrator	<u>7-27-98</u> Date	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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 presentations as to any matter within its jurisdiction.

District I  
 PO Box 1980, Hobbs NM 88241-1980  
 District II  
 PO Drawer KK, Aramis, NM 87211-0719  
 District III  
 1000 Rio Blanco 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-102  
 Revised February 21, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

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

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-039	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name Basin Fruitland Coal
<sup>4</sup> Property Code 17260	<sup>5</sup> Property Name SAN JUAN 30-5 UNIT	
<sup>6</sup> OCRID No. 14538	<sup>7</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	<sup>8</sup> Well Number # 263
		<sup>9</sup> Elevation 6948

<sup>10</sup> Surface Location

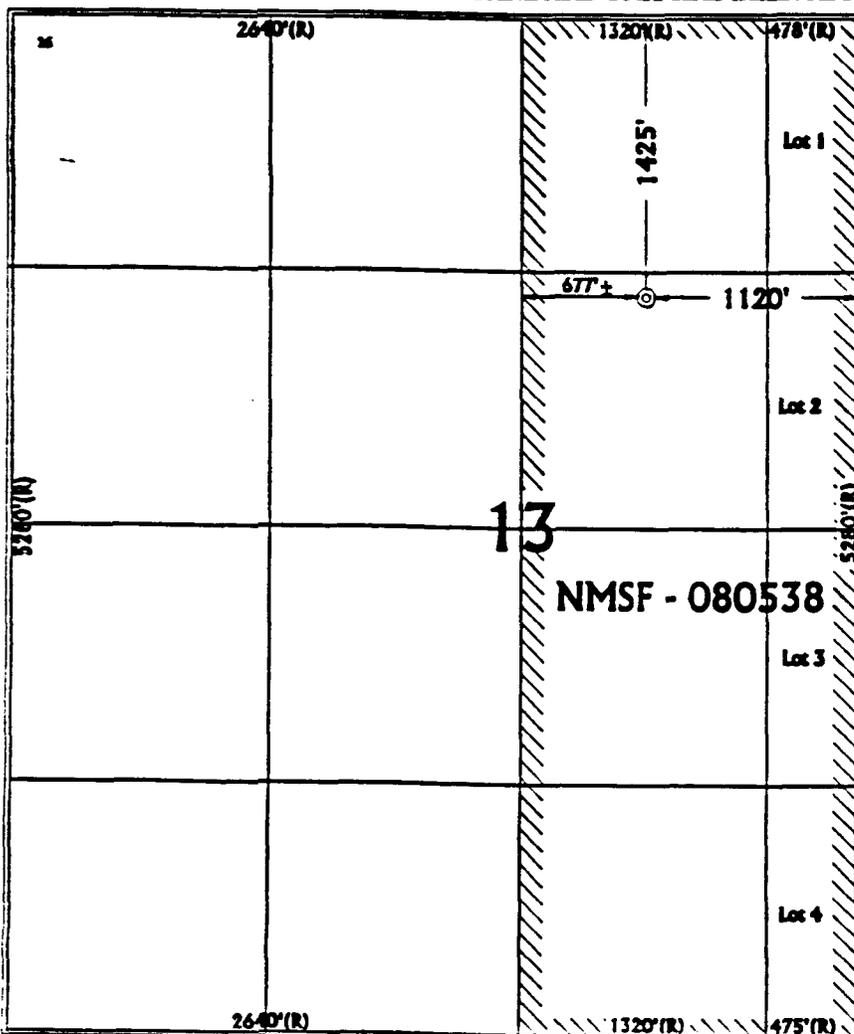
U.L. or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	13	30 N	5 W		1425	NORTH	1120	EAST	RIO ARRIBA

<sup>11</sup> Bottom Hole Location If Different From Surface

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

<sup>12</sup> Dedication Acres E/217.76	<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



<sup>16</sup> OPERATOR CERTIFICATION

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

*Peggy Bradfield*  
 Signature

Peggy Bradfield  
 Printed Name

Regulatory Administrator  
 Title

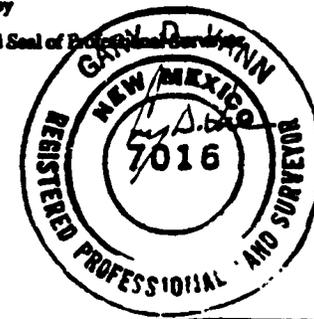
7-27-98  
 Date

<sup>17</sup> SURVEYOR CERTIFICATION

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.

July 15, 1998  
 Date of Survey

Signature and Seal of Professional Surveyor



7016  
 Certificate Number

OPERATIONS PLAN

**Well Name:** San Juan 30-5 Unit #263  
**Location:** 1425' FNL, 1120' FEL Section 13, T-30-N, R-5-W  
Latitude 36° 48' 56", Longitude 107° 18' 12"  
Rio Arriba County, NM  
**Formation:** Basin Fruitland Coal  
**Elevation:** 6948' GL

<b>Formation:</b>	<b>Top</b>	<b>Bottom</b>	<b>Contents</b>
Surface	San Jose	3095'	
Ojo Alamo	3095'	2943'	aquifer
Kirtland	3197'	3239'	
Fruitland	3504'	3722'	gas
Fruitland Coal	3604'	3692'	gas
**Pictured Cliffs	3722'		
Total Depth	3742'		

\*\*Pictured Cliffs top listed is actually upper PC inner-tongue. Main PC is approximately 150' deeper. Neither the main or inner-tongue is productive in this area and should not be affected by open hole cavitation operations.

**Logging Program:** Mud logs from below 7" to Total Depth.

**Coring Program:** none

**Mud Program:**

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200-3554'	Non-dispersed	8.4-9.0	30-60	no control
3554-3742'	Air			

**Casing Program (as listed, the equivalent, or better):**

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3554'	7"	20.0#	K-55
6 1/4"	3454' - 3742'	5 1/2"	15.5#	K-55

**Tubing Program:**

0' - 3742'      2 3/8"      4.7#      J-55

**Float Equipment:** 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill float collar. Three centralizers run every fourth joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2943'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - Pre-drilled liner run to the 7" casing with an overlap. Liner hanger is a slip grip type.

**Wellhead Equipment:** 9 5/8" x 7" x 2 3/8" x 11" 3000 psi xmas tree assembly.

**Cementing:**

9 5/8" surface casing - cement with 159 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi/30 minutes.

7" intermediate casing - lead w/323 sacks Class "B" with 3% sodium metasilicate, 7 pps gilsonite, and 1/2#/sack flocele. Tail with 90 sacks 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride, 1/2#/sack flocele and 7 pps gilsonite (1068 cu.ft., 100% excess to circulate to surface).

5 1/2" liner - uncemented.

**BOP and tests:**

Surface to intermediate TD - 11" 2000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600#/30 min.

Intermediate TD to Total Depth - 7 1/6" 3000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test blind rams and casing to 2500 psi for 30 minutes; all pipe rams and casing to 2500 psi for 30 minutes each.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

**Additional information:**

- \* The Fruitland Coal formation will be completed.
- \* Anticipated pore pressure for the Fruitland is 1000 psi.
- \* This gas is dedicated.

Date: 7/31/98

Drilling Engineer: 

# ***BURLINGTON RESOURCES***

San Juan 30-5 Unit #263  
Multi-Point Surface Use Plan

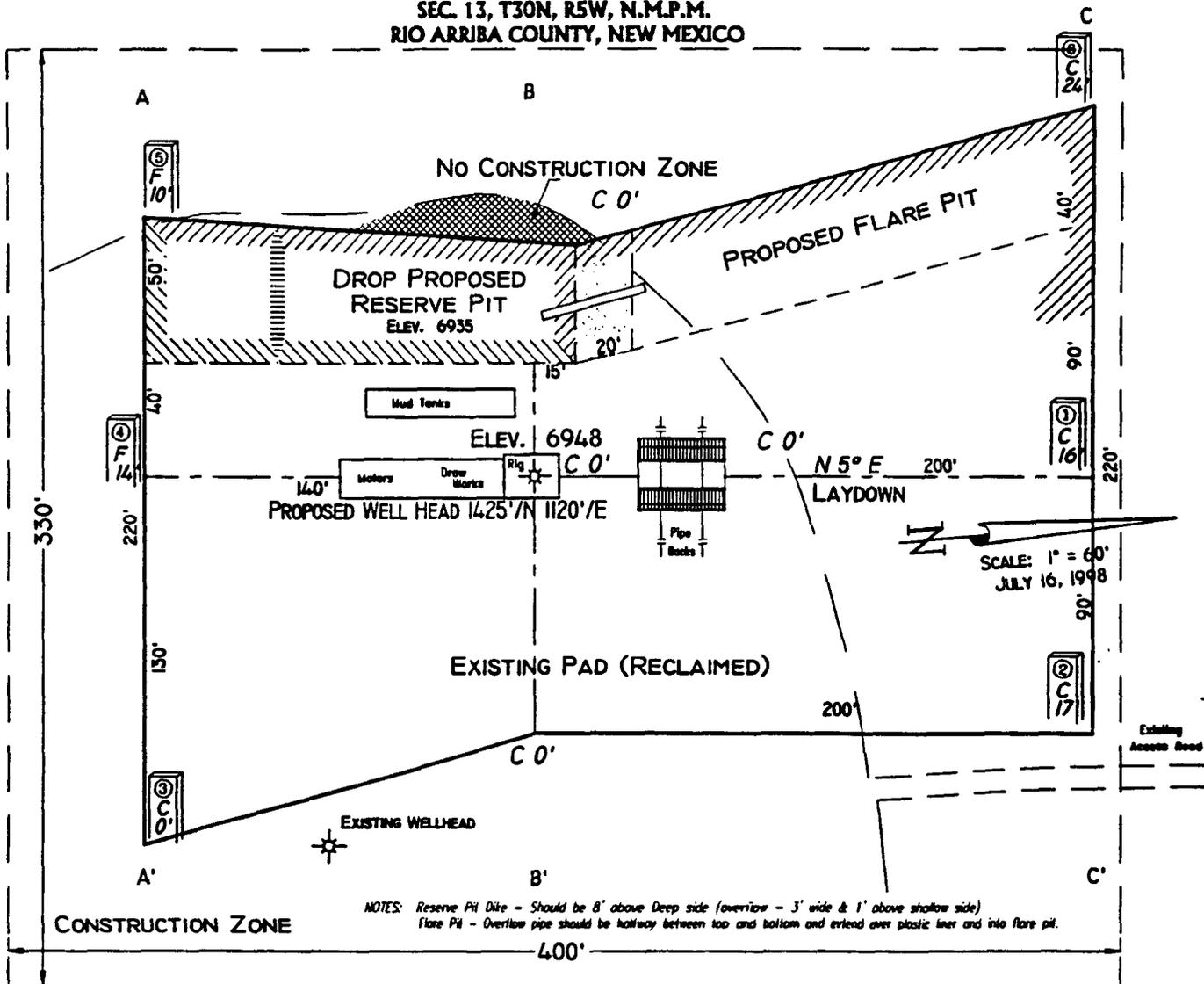
1. Existing Roads - Refer to Map No. 1. Existing roads used to access the proposed location will be properly maintained for the duration of the project. Bureau of Land Management right-of-way has been applied for as shown on Map No. 1.
2. Planned Access Road - Refer to Map No. 1. None required.
3. Location of Existing Wells - Refer to Map No. 1A.
4. Location of Existing and/or Proposed Facilities if Well is Productive -
  - a. On the Well Pad - Refer to Plat No. 1, anticipated production facilities plat.
  - b. Off the Well Pad - Anticipated pipeline facilities as shown on the attached plat from Williams Field Service.
5. Location and Type of Water Supply - Water will be hauled by truck for the proposed project and will be obtained from Lajara Water Hole located SW/4 Section 11, T-30-N, R-6-W, New Mexico.
6. Source of Construction Materials - If construction materials are required for the proposed project, such materials will be obtained from a commercial quarry.
7. Methods of Handling Waste Materials - All garbage and trash materials will be removed from the site for proper disposal. A portable toilet will be provided for human waste and serviced in a proper manner. If liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying waste materials into the watershed. Reserve pits will be lined as needed with either 12 mil bio-degradable plastic liner or a bentonite liner. All earthen pits will be so constructed as to prevent leakage from occurring; no earthen pit will be located on natural drainage. Generation of hazardous waste is not anticipated. Federal regulations will be adhered to regarding handling and disposal of such waste if so generated.
8. Ancillary Facilities - None anticipated.
9. Wellsite Layout - Refer to the location diagram and to the wellsite cut and fill diagram (Figure No. 4). The blow pit will be constructed with a 2'/160' grade to allow positive drainage to the reserve pit and prevent standing liquids in the blow pit.

10. Plans for Restoration of the Surface - After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Seed mixture as designated by the responsible government agency will be used. The reseeding operations will be performed during the time period set forth by the responsible government agency. The permanent location facilities will be painted as designated by the responsible government agency.
11. Surface Ownership – Carson National Forest
12. Other Information - Environmental stipulations as outlined by the responsible government agency will be adhered to. Refer to the archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
13. Operator's Representative and Certification - Burlington Resources Oil & Gas Company Regional Drilling Manager, Post Office Box 4289, Farmington, NM 87499, telephone (505) 326-9700. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan, are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Burlington Resources Oil and Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Regulatory/Compliance Administrator      7-27-98  
Date

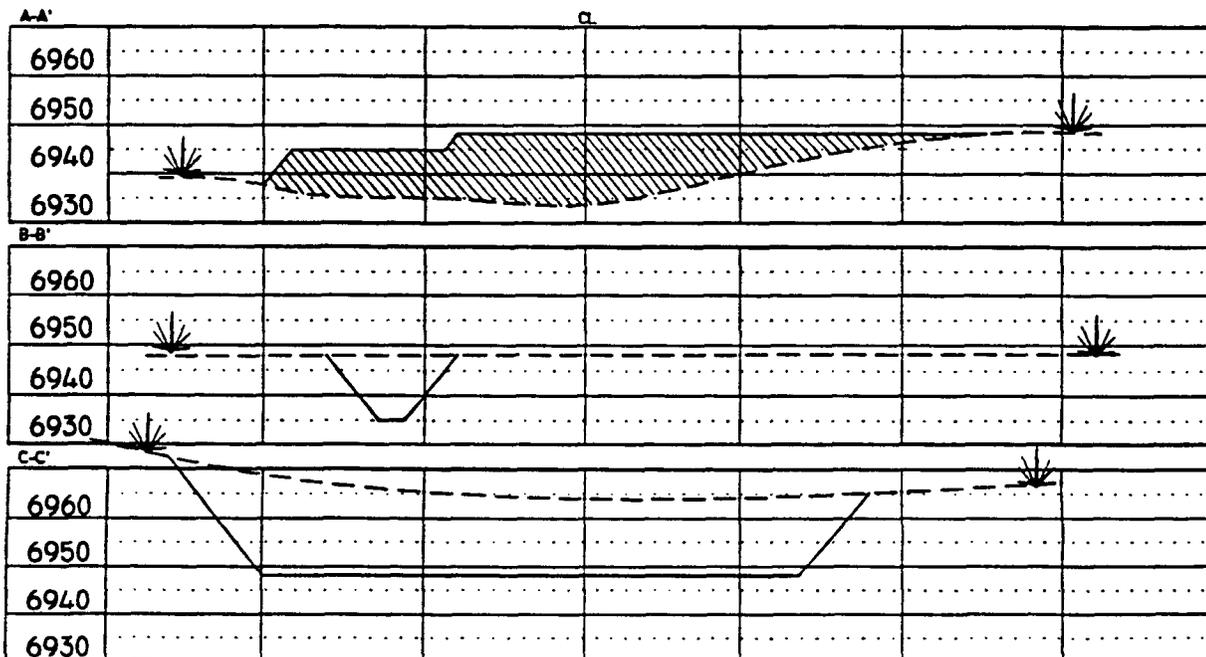
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**PAD LAYOUT PLAN & PROFILE**  
**BURLINGTON RESOURCES OIL & GAS COMPANY**  
**SAN JUAN 30-5 UNIT # 263**  
**1425' F/NL 1120' F/EL**  
**SEC. 13, T30N, R5W, N.M.P.M.**  
**RIO ARriba COUNTY, NEW MEXICO**



NOTES: Reserve Pit Dike - Should be 8' above Deep side (overflow - 3' wide & 1' above shallow side)  
 Flare Pit - Overflow pipe should be halfway between top and bottom and extend over plastic liner and into flare pit.

SCALE: 1"=60'-HORIZ.  
 1"=40'-VERT.



NOTE: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction.

VANN SURVEYS  
 304 N. Locke  
 Farmington, NM

**BURLINGTON RESOURCES OIL AND GAS COMPANY**

**OFFSET OPERATOR \ OWNER PLAT**

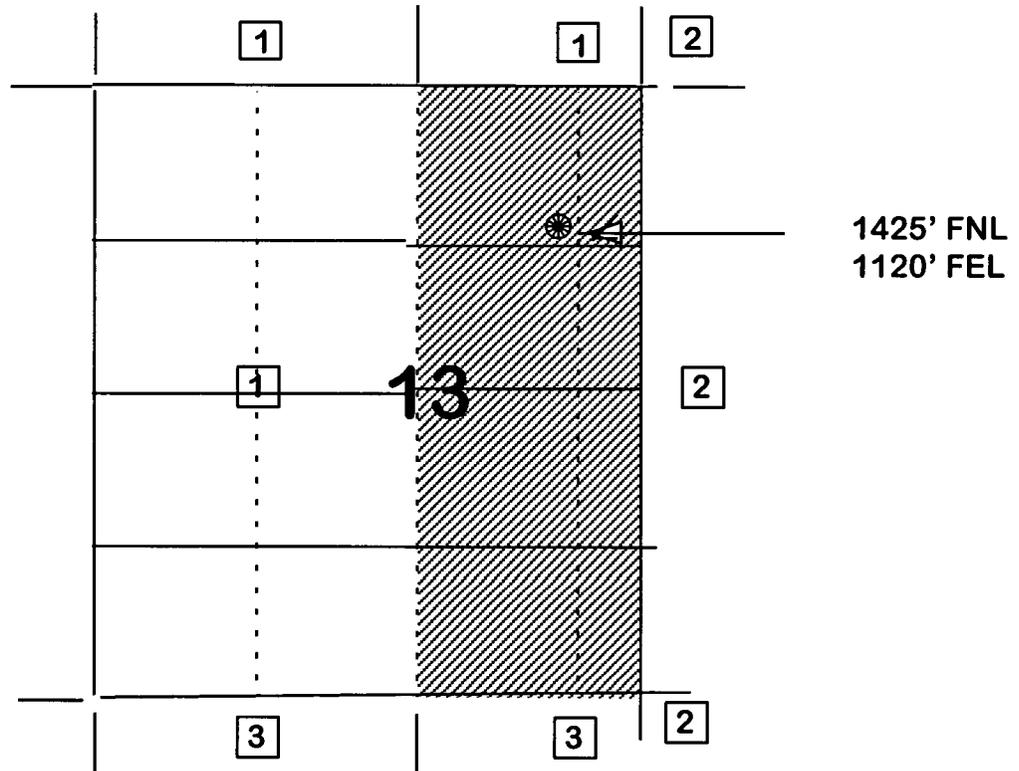
**San Juan 30-5 Unit #263**

**Nonstandard location**

**Nonstandard Proration Unit**

**Fruitland Coal Formation Well**

**Township 30 North, Range 5 West**



1) Burlington Resources O&G  
under designation of agent from  
Phillips Petroleum Company

3) Phillips Petroleum Company  
as Unit Operator  
5525 Highway 64, NBU 3004  
Farmington, New Mexico 87401

2) Taurus Exploration U.S.A.  
2198 Bloomfield Highway  
Farmington, NM 87401

Re: San Juan 30-5 Unit #263  
1425'FNL, 1120'FEL, Section 13, T-30-N, R-5-W, Rio Arriba  
30-039-not assigned

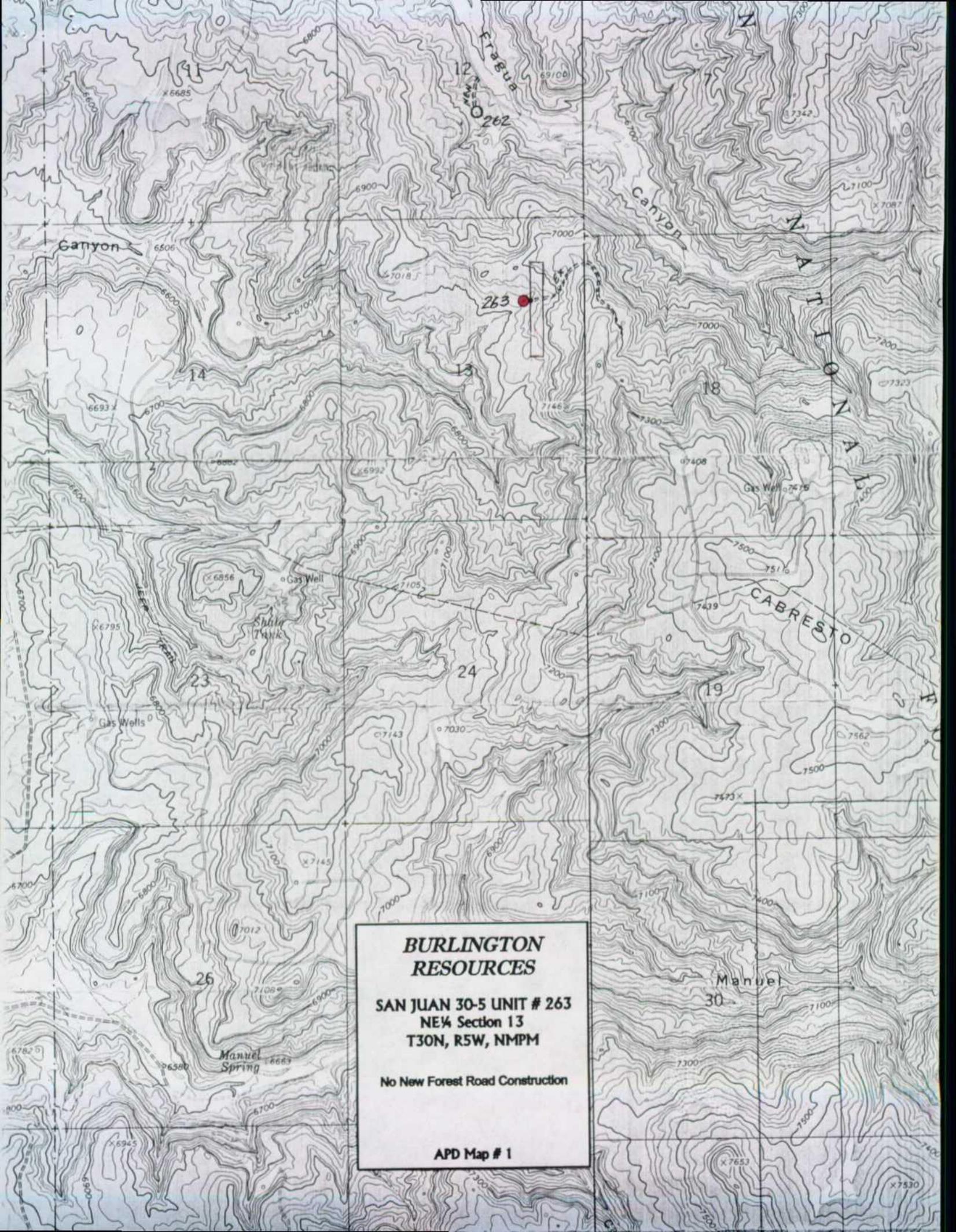
I hereby certify that the following offset operators/owners have been mailed notification of our application for non-standard location to drill the referenced well.

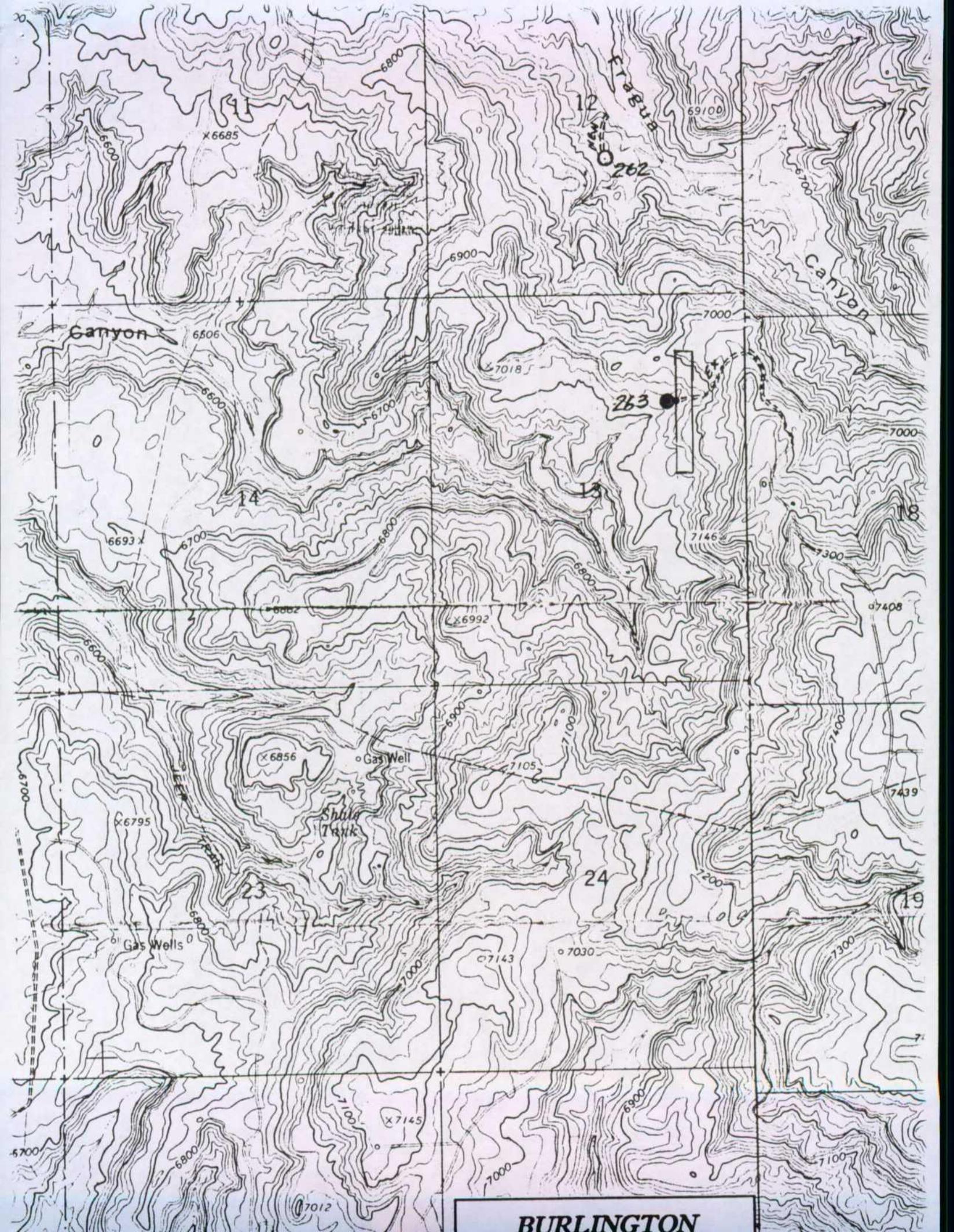
Taurus Exploration USA  
2198 Bloomfield Highway  
Farmington, NM 87401

Phillips Petroleum Company as Unit Operator  
5525 Highway 64, NBU #3004  
Farmington, NM 87401

A handwritten signature in black ink, appearing to read "Peggy Bradfield". The signature is written in a cursive style with a large initial "P".

Peggy Bradfield  
Regulatory/Compliance Administrator





**BURLINGTON**

Sec : 13 Twp : 30N Rng : 05W Section Type : NORMAL

L 40.00  Federal owned U	K 40.00  Federal owned U	J 40.00  Federal owned U	3 14.43  Federal owned U
M 40.00  Federal owned U A	N 40.00  Federal owned U	O 40.00  Federal owned U	4 14.41  Federal owned U

PF01 HELP    PF02    PF03 EXIT    PF04 GoTo    PF05    PF06  
PF07 BKWD   PF08 FWD    PF09 PRINT   PF10 SDIV    PF11    PF12

Sec : 13 Twp : 30N Rng : 05W Section Type : NORMAL

D 40.00  Federal owned U	C 40.00  Federal owned U	B 40.00  Federal owned U	1 14.47  Federal owned U
E 40.00  Federal owned U	F 40.00  Federal owned U	G 40.00  Federal owned U A	2 14.45  Federal owned U

PF01 HELP    PF02            PF03 EXIT    PF04 GoTo    PF05            PF06  
PF07 BKWD   PF08 FWD      PF09 PRINT   PF10 SDIV     PF11            PF12

54.47  
54.45  
108.92  
54.43  
163.35  
54.41  
217.76

Mr. Michael Stogner  
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San Juan 30-5 Unit #263  
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Three copies of this application are being submitted to all offset owners/ operators by certified mail with a request that they furnish you with a Waiver of Objection, keep one copy for their files and return one copy to this office.

We appreciate your earliest consideration of this application.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

xc: NMOCD - Aztec District Office  
Bureau of Land Management – Farmington District Office  
Taurus Exploration  
Phillips Petroleum

WAIVER

Taurus Exploration hereby waives objection to Burlington Resources' application for a non-standard location for the San Juan 30-5 Unit #263 as proposed above.

By: Richard Cocoran Date: 9-28-98