

DATE IN	SUSPENSE	ENGINEER	LOGGED	TYPE
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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

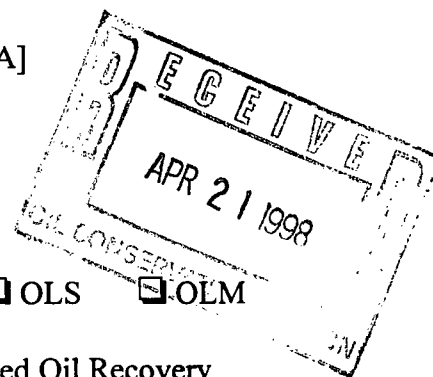
Check One Only for [B] and [C]

[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

SAN JUAN DIVISION  
April 17, 1998

Sent Federal Express

Ms. Lori Wrotenbery, Director  
New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Re: Quitzau #8R  
2100'FNL, 2255'FEL, Section 11, T-25-N, R-8-W, San Juan County, New Mexico.  
30-045-not assigned

Dear Ms. Wrotenbery:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Ballard Pictured Cliffs pool. This application for the referenced location is due to extremely rough terrain and extensive archaeology on the topographical benches.

Production from the Ballard Pictured Cliffs pool is to be included in a standard 160 gas spacing and proration unit comprising the northeast quarter (NE/4) of said Section 11. Attached is a map showing the proposed non-standard location for the subject well. This map also shows the other wells in Section 11, T-25-N, R-8-W.

The Quitzau #8 (30-045-13306) was originally drilled and completed at 1204' FNL, 1160' FEL as a single Ballard Pictured Cliffs well in 1955. In September 1993 the well was plugged and abandoned.

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
4. 7.5 minute topographic map showing the orthodox windows, and enlargement of the map to define topographic features.

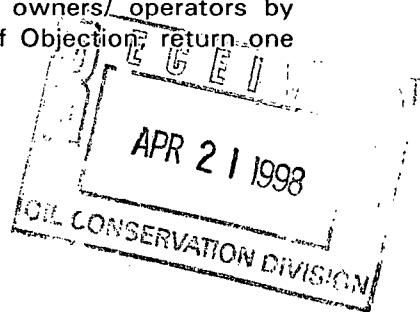
Three copies of this application are being submitted to all offset owners/operators by certified mail with a request that they furnish you with a Waiver of Objection, return one copy to this office, and retain one copy for their file.

We appreciate your earliest consideration of this application.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator



## WAIVER


\_\_\_\_\_ hereby waives objection to Burlington Resources' application for a non-standard location for their Hanks #5R as proposed above.

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

xc: Redwolf Production  
Taurus Exploration USA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

<b>1a. Type of Work</b> DRILL	<b>5. Lease Number</b> NM-04224 <b>Unit Reporting Number</b>
<b>1b. Type of Well</b> GAS	<b>6. If Indian, All. or Tribe</b>
<b>2. Operator</b> <b>BURLINGTON</b> <b>RESOURCES</b> Oil & Gas Company	<b>7. Unit Agreement Name</b>
<b>3. Address &amp; Phone No. of Operator</b> PO Box 4289, Farmington, NM 87499  (505) 326-9700	<b>8. Farm or Lease Name</b> Quitza <b>9. Well Number</b> 8R
<b>4. Location of Well</b> 2100' FNL, 2255' FEL  Latitude 36° 24.9, Longitude 107° 39.0	<b>10. Field, Pool, Wildcat</b> Ballard Pic. Cliffs <b>11. Sec., Twn, Rge, Mer. (NMPM)</b> Sec 11, T-25-N, R-8-W <b>API #</b> 30-045-
<b>14. Distance in Miles from Nearest Town</b> 10 miles to Huerfano	<b>12. County</b> SJ <b>13. State</b> NM
<b>15. Distance from Proposed Location to Nearest Property or Lease Line</b> 2100'	
<b>16. Acres in Lease</b>	<b>17. Acres Assigned to Well</b> 160
<b>18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease</b> 1900'	
<b>19. Proposed Depth</b> 2975'	<b>20. Rotary or Cable Tools</b> Rotary
<b>21. Elevations (DF, FT, GR, Etc.)</b> 7117' GR	<b>22. Approx. Date Work will Start</b>
<b>23. Proposed Casing and Cementing Program</b> See Operations Plan attached	
<b>24. Authorized by:</b>  <b>Regulatory/Compliance Administrator</b> <span style="float: right;"><b>Date</b> 1/17/98</span>	

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 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

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

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-045</b>		*Pool Code <b>71439</b>	*Pool Name <b>Ballard Pictured Cliffs</b>
*Property Code <b>7408</b>	*Property Name <b>QUITZAU</b>		*Well Number <b>8R</b>
*GRID No. <b>14538</b>	*Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY</b>		*Elevation <b>7117'</b>

<sup>10</sup> Surface Location


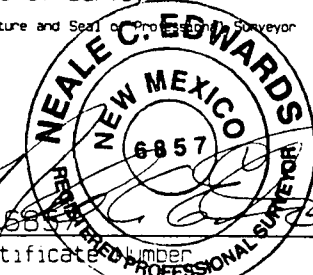
UL or lot no. <b>G</b>	Section <b>11</b>	Township <b>25N</b>	Range <b>8W</b>	Lot Idn	Feet from the <b>2100</b>	North/South line <b>NORTH</b>	Feet from the <b>2255</b>	East/West line <b>EAST</b>	County <b>SAN JUAN</b>
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<sup>11</sup> Bottom Hole Location 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	County
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<sup>12</sup> Dedicated Acres <b>160</b>	<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> 5228.52'	5186.28'	2100'	NM-04224	2255'	5253.60'	11	5266.80'	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   Signature <b>Peggy Bradfield</b> Printed Name <b>Regulatory Administrator</b> Title <b>1/17/98</b> Date
	<sup>18</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.  <b>JANUARY 28, 1998</b> Date of Survey Signature and Seal of Professional Surveyor  Certificate Number							

April 17, 1998

OPERATIONS PLAN

**Well Name:** Quitzau #8R  
**Location:** 2100' FNL, 2255' FEL Section 11, T-25-N, R-8-W  
 San Juan County, New Mexico  
 Latitude 36° 24.9', Longitude 107° 39.0  
**Formation:** Ballard Pictured Cliffs  
**Elevation:** 7117' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1997'	
Ojo Alamo	1997'	2172'	aquifer
Kirtland	2172'	2634'	
Fruitland	2634'	2750'	
Upper Coal	2676'	2735'	gas
Basal Coal	2735'	2750'	gas
Pictured Cliffs	2750'		gas
Total Depth	2975'		

**Logging Program:** Hi Res Ind, Den/Neut, MRL/GR to Total Depth.

**Mud Program:**

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-9.0	40-50	no control
120-2975'	LSND	8.4-9.0	40-60	no control

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0 - 120'	7"	20.0#	J-55
6 1/4"	0 - 2975'	3 1/2"	7.7#	WC-70

**Tubing Program:** - none

**Float Equipment:** 7" surface casing - saw tooth guide shoe.  
 Centralizers will be run in accordance with Onshore Order #2.

3 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 2172'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2172'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 7" x 3 1/2" x 11" 2000 psi screw on independent wellhead.

**Cementing:**

7" surface casing - cement with 46 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (54 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

3 1/2" production casing - Lead w/208 sx of 65/35 Class "B" Poz w/6% gel, 2% calcium chloride, and 1/4# flocele/sx. Tail w/100 sx Class "B" w/2% calcium chloride (499 cu.ft. of slurry, 75% excess to circulate to surface). WOC 8 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC.

**BOP and tests:**

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 2000 psi/15 min.

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

Pipe rams will be actuated to 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 Pictured Cliffs formation will be completed.
- \* Anticipated pore pressure for the Fruitland Coal is 300 psi and for the Pictured Cliffs is 600 psi.
- \* This gas is dedicated.
- \* The northeast quarter of the section is dedicated to the Pictured Cliffs.
- \* New casing will be utilized.
- \* Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

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Drilling Engineer

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Date


# ***BURLINGTON RESOURCES***

Quitau #8R

## **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. The required new access road is shown on Map No. 1. The gradient, shoulder, crowning and other design elements will meet or exceed those specified by the responsible government agency. The new access road surface will not exceed twenty feet (20') in width. No additional turnarounds or turnouts will be required. Upon completion of the project, the access road will be adequately drained to control soil erosion. Approximately of access road will be constructed. Pipelines are indicated on Map No. 1A.
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 El Paso Field Services.
5. Location and Type of Water Supply - Water will be hauled by truck for the proposed project and will be obtained from Palluche Wash Water Hole located NE/4 Section 17, T-25-N, R-7-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 - Bureau of Land Management
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.

 4-17-98  
Regulatory/Compliance Administrator Date

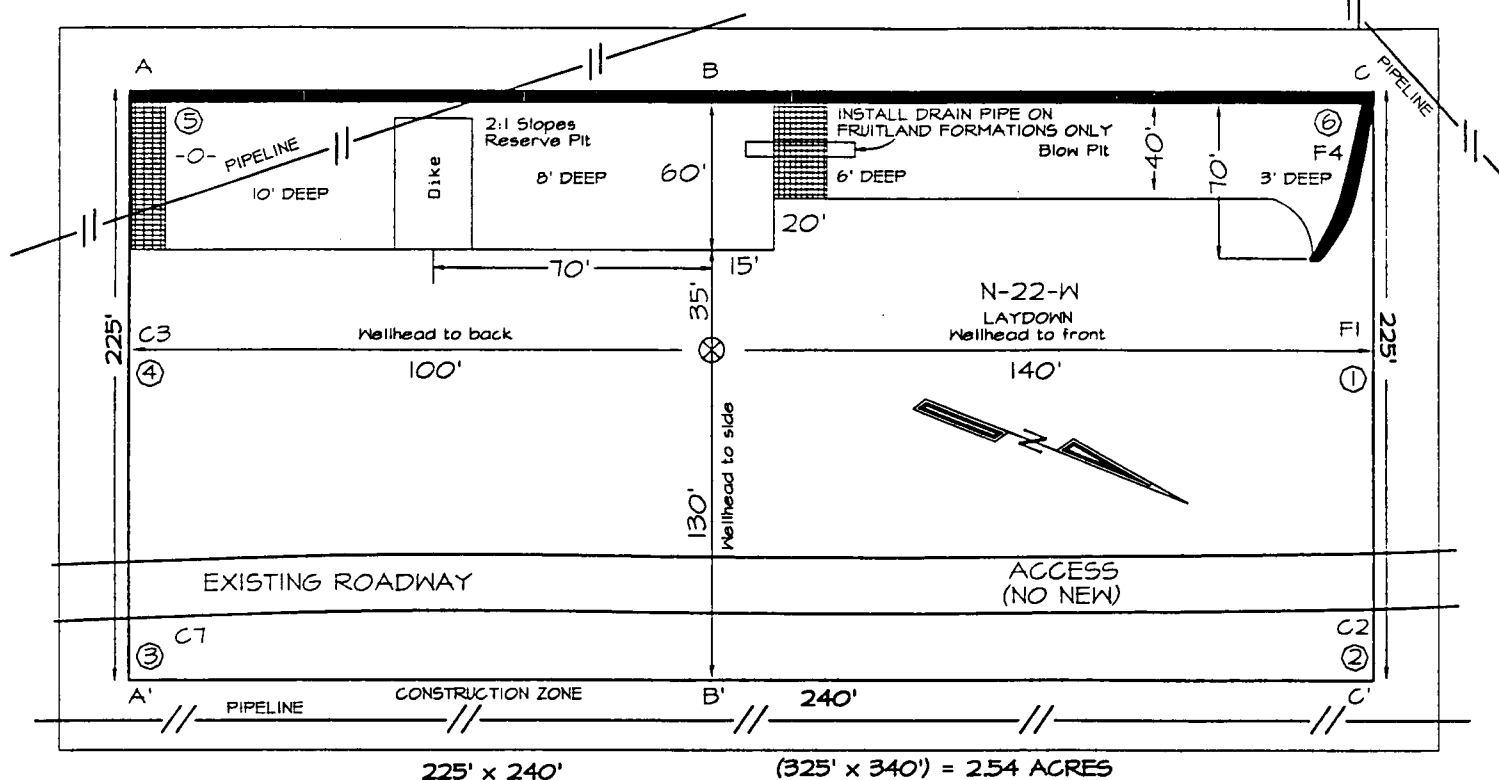






**PLAT #1**

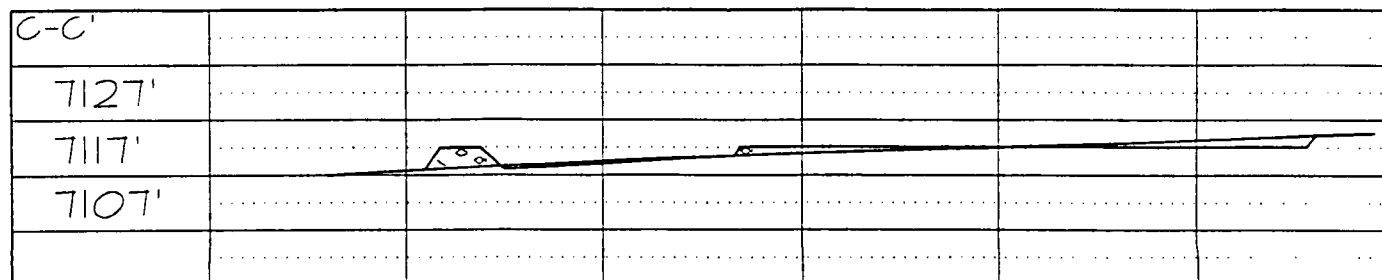
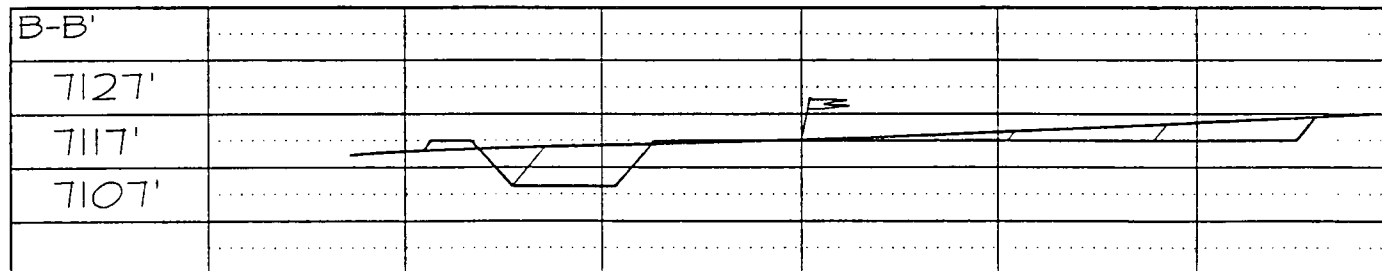
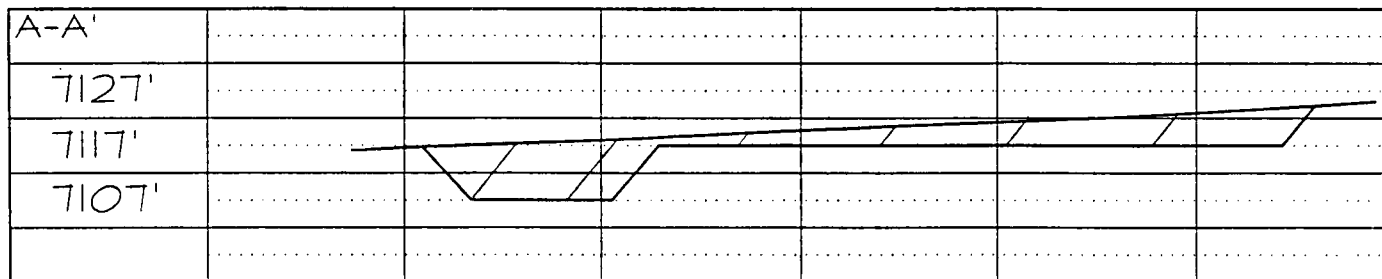
**BURLINGTON RESOURCES OIL & GAS COMPANY**  
**QUITZAU #8R, 2100' FNL & 2255' FEL**  
**SECTION 11, T25N, R8W, NMPM, SAN JUAN COUNTY, NEW MEXICO**  
**GROUND ELEVATION: 7117' DATE: JANUARY 28, 1998**



225' x 240'

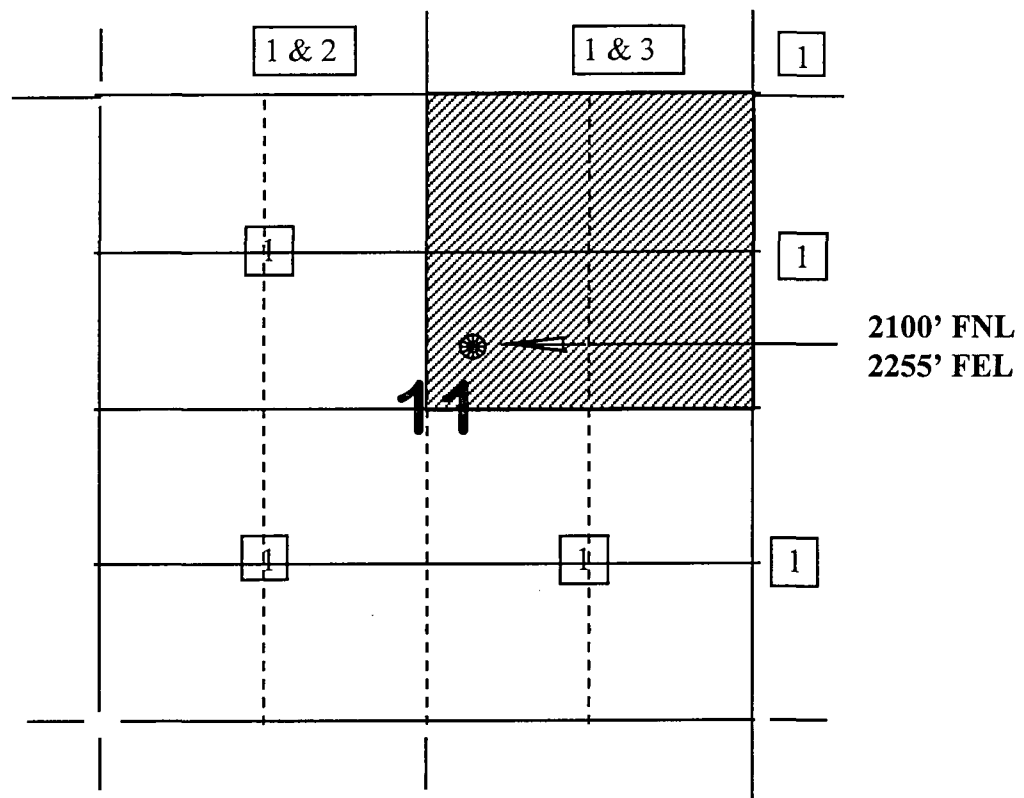
(325' x 340') = 2.54 ACRES

Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side).  
 Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.



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

**Township 25 North, Range 8 West**



- 1) Burlington Resources
- 2) Redwolf Production Inc.  
P.O. Box 5382  
Farmington, NM 87499
- 3) Taurus Exploration U.S.A.  
2198 Bloomfield Highway  
Farmington, NM 87401

Re: Quitzau #8R  
2100'FNL, 2255'FEL, Section 11, T-25-N, R-8-W, San Juan County, New Mexico  
30-045-not assigned

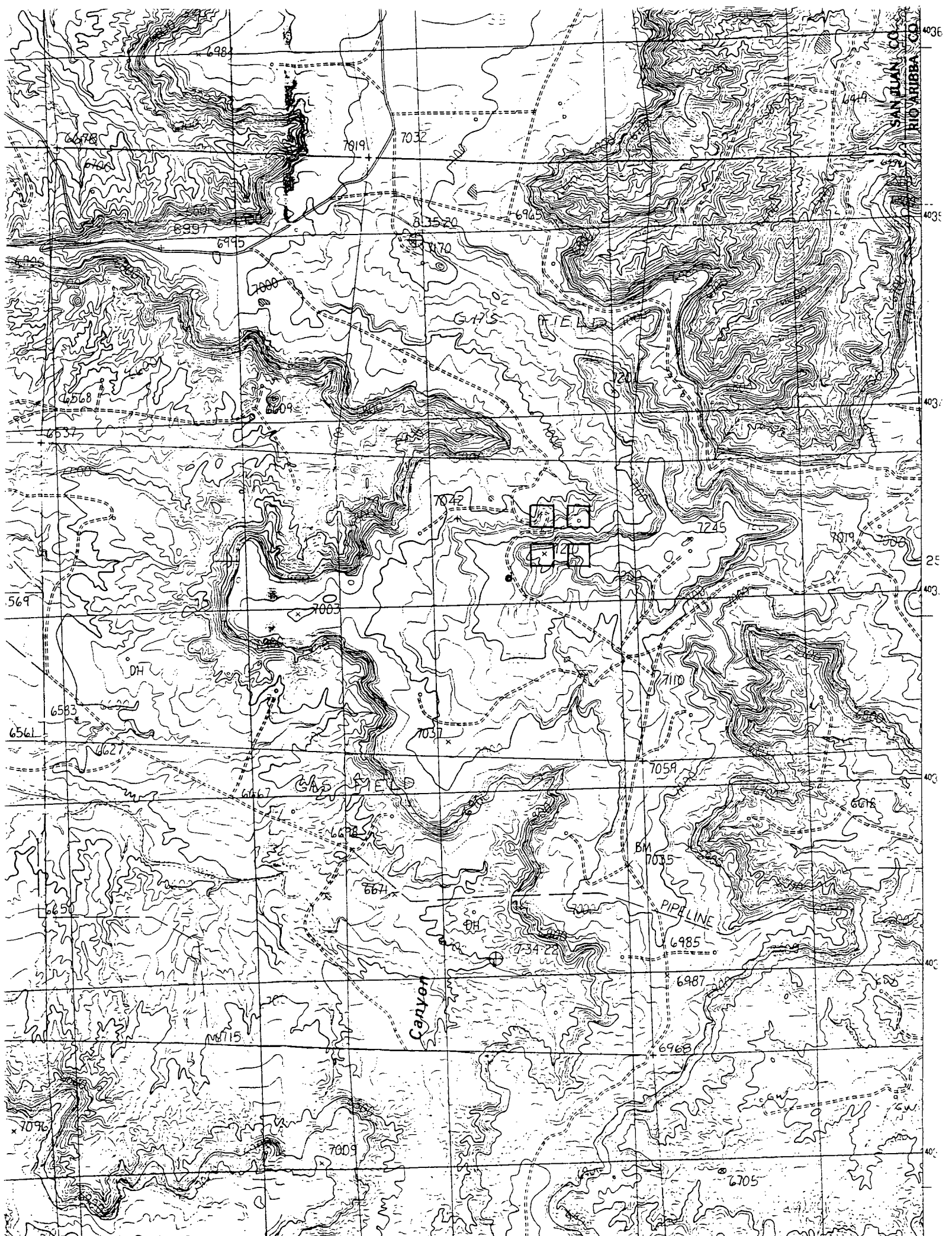
I hereby certify that the following offset operators/owners have been mailed notification of our application for non-standard location to drill the referenced well.

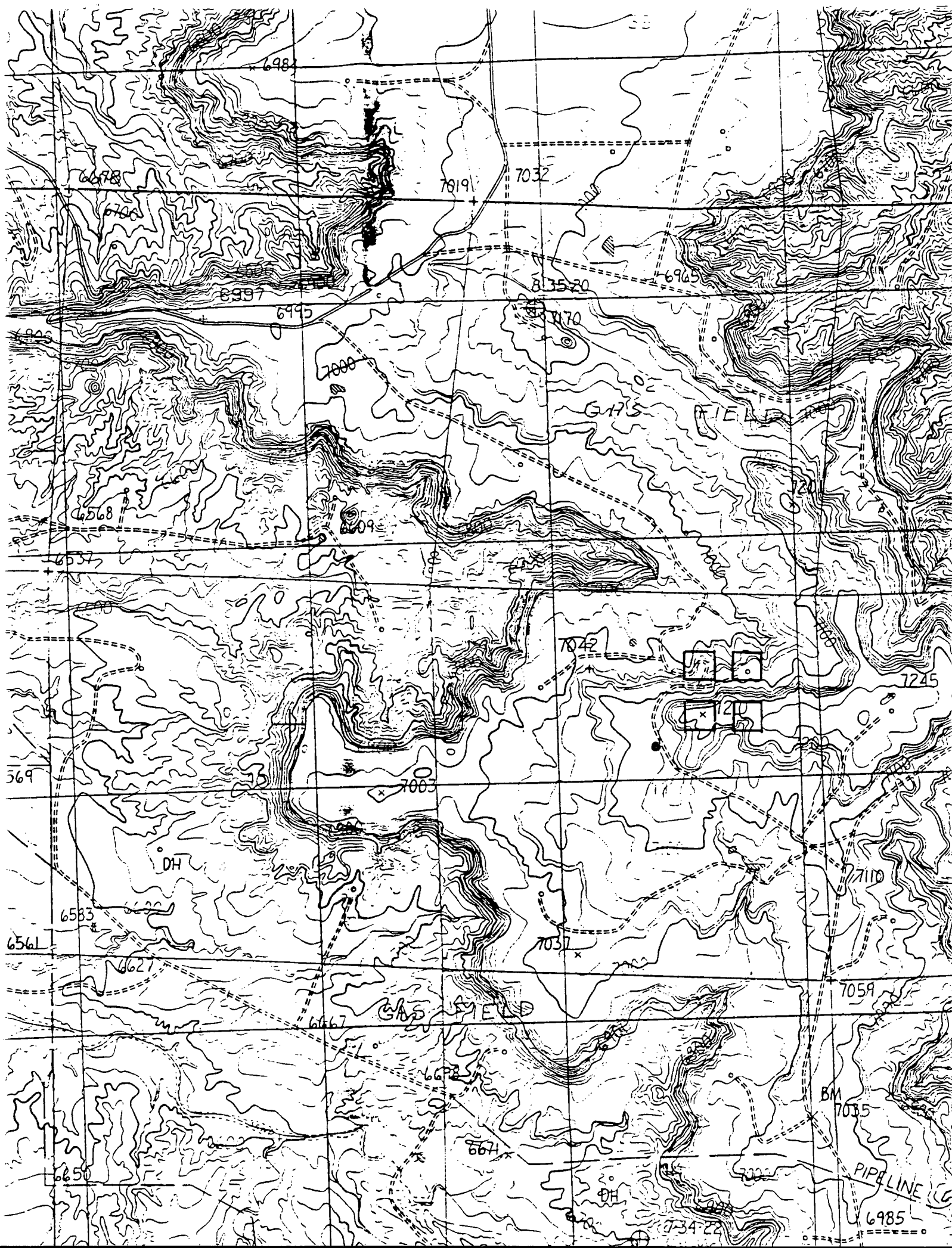
Redwolf Production Inc.  
PO Box 5382  
Farmington, NM 87499

Taurus Exploration USA  
2198 Bloomfield Highway  
Farmington, NM 87401

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

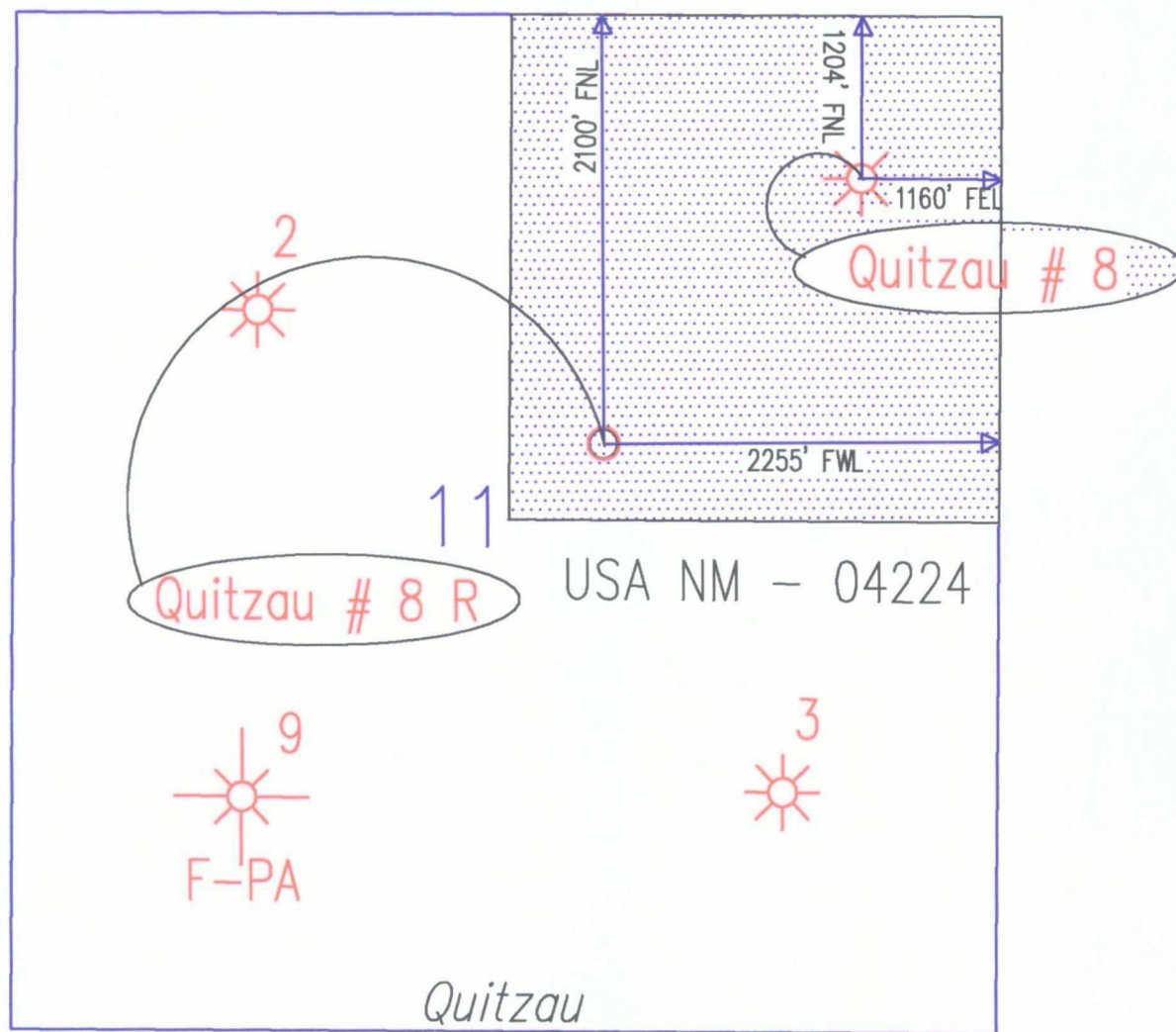
Peggy Bradfield  
Regulatory/Compliance Administrator







# WELL LOCATION PLAT



QUITZAU # 8 WELL  
UNIT A (NENE) SECTION 11, T25N,R8W  
(1204' FNL / 1160' FEL)

QUITZAU # 8 R WELL  
UNIT G (SWNE) SECTION 11, T25N,R8W  
(2100' FNL / 2255' FWL)  
SAN JUAN CO.,NEW MEXICO