

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work DRILL	5. Lease Number SF080517	200 NOV -5 PM 1:42
1b. Type of Well GAS	Unit Reporting Number 070 Farmington, NM	
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	6. If Indian, All. or Tribe	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Payne	9. Well Number 6S
4. Location of Well 1135' FSL, 1060' FEL	10. Field, Pool, Wildcat Basin Fruitland Coal	11. Sec., Twn, Rge, Mer. (NMPM) p Sec 20., T-32-N, R-10-W API # 30-045- <u>32000</u>
Latitude 36° 57.9976'N, Longitude 107° 53.9561'W		
14. Distance in Miles from Nearest Town 14.0 Miles to Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1060'		
16. Acres in Lease	17. Acres Assigned to Well 314.1 <u>E/2</u>	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 21'		
19. Proposed Depth 3192'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6307 GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Frances Bond</u> Regulatory/Compliance Assistant	<u>10-22-03</u> Date	

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY /s/ David J. Markiewicz

TITLE \_\_\_\_\_

DATE DEC - 9 2003

Archaeological Report Attached

Threatened and Endangered Species Report Attached

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.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.2 and appeal pursuant to 43 CFR 3165.4

NMOC

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS".

DISTRICT II  
P.O. Drawer DD, Artesia, N.M. 88211-0719DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV  
PO Box 2088, Santa Fe, NM 87504-2088

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, NM 87504-2088Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045- <b>32000</b>	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name Basin Fruitland Coal
<sup>4</sup> Property Code 7379	<sup>5</sup> Property Name PAYNE	<sup>6</sup> Well Number 6S
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS INC.	<sup>9</sup> Elevation 6307

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	20	32-N	10-W		1135	SOUTH	1060	EAST	SAN JUAN

<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
<sup>12</sup> Dedicated Acres E/314.1			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.		

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

16

		<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  <i>Frances Bond</i> Signature Frances Bond Printed Name Regulatory Assistant Title 10-22-03 Date
		<b>18 SURVEYOR CERTIFICATION</b> 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.  OCT 2002 Date of Survey Signature and Seal of Professional Surveyor:  14827 Certificate Number

RECEIVED

# OPERATIONS PLAN

**Well Name:** Payne 6S  
**Location:** 1135' FSL, 1060' FEL Section 20, T-32-N, R-10-W  
Latitude 36° 57.9976' N, Longitude 107° 53.9561' W  
San Juan County, NM  
**Formation:** Basin Fruitland Coal  
**Elevation:** 6307' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	1418'	
Ojo Alamo	1418'	1457'	aquifer
Kirtland	1457'	2506'	
Fruitland	2506'	2775'	
Intermediate TD	2755'		
Fruitland Coal	2775'	3107'	gas
B/Basal Coal	3107'	3112'	gas
Pictured Cliffs	3112'		
Total Depth	3192'		

**Logging Program:** none  
**Mudlog:** from 7" to 3192  
**Coring Program:** none

## **Mud Program:**

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2755'	Non-dispersed	8.4-9.0	30-60	no control
2755-3192'	Air/Mist			

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2755'	7"	20.0#	J-55
6 1/4"	2755' - 3192'	open hole		

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2755'	7"	20.0#	J-55
6 1/4"	2715' - 3192'	5 1/2"	15.5#	J-55

## **Tubing Program:**

0' - 3192'	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. Standard centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1457'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 9 5/8" x 7" x 2 3/8" x 11" 2000 psi xmas tree assembly.

**Cementing:**

9 5/8" surface casing - cement with 23 sx Type I, II cement with 20% flyash, mixed at 14.5 ppg, 1.61 cu.ft. per sack yield (37 cu.ft. of slurry, bring cement to surface) or equivalent. Wait on cement for 24 hours for pre-set holes or 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Test BOP and casing to 600 psi for 30 minutes.

7" intermediate casing - lead w/233 sacks Premium Lite with 3% calcium chloride, 5 pps LCM-1, and 1/4#/sack flocele, 0.4% FL-52, & 0.4% SMS. Tail with 90 sacks Type III cmt with 1% calcium chloride, 1/4#/sack flocele and 0.2% FL-52 (621 cu.ft., 50% excess to circulate to surface).

5 1/2" liner - will not be cemented if run.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

**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" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test blind rams and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 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 less than 500 psi.
- \* This gas is dedicated.
- \* The east half of Section 20 is dedicated to the Fruitland Coal.

Date: 10-31-03

Drilling Engineer: Jim McCreath

# BURLINGTON RESOURCES

SAN JUAN DIVISION

*Released 12-12-03*

November 11, 2003

(Certified Mail – Return Receipt Requested)

Re: Payne 6S  
Basin Fruitland Coal  
1135'FSL, 1060'FEL Section 20, T-32-N, R-10-W  
San Juan County, New Mexico

To the Affected Persons:

Burlington Resources Oil & Gas Company LP is submitting the enclosed Application for Permit to Drill to the appropriate regulatory agency(s) for approval. This well is located inside the High Productivity Area of the Basin-Fruitland Coal Pool as indicated on the attached plat. Notice is being made pursuant to New Mexico Oil Conservation Commission Order R-8768-F dated July 17, 2003.

The affected parties have twenty (20) days from receipt of this notice in which to file with the District Office of the New Mexico Oil Conservation Division written objection to the proposed Application for Permit to Drill.

Sincerely,

*Frances Bond*

Frances Bond  
Regulatory Assistant



<b>2. Article Number</b>		<b>COMPLETE THIS SECTION ON DELIVERY</b>	
<b>1. Article Address</b> <b>ENERGEN RESOURCES CORP</b> <b>ATTN RICH CORCORAN</b> <b>2198 BLOOMFIELD HWY</b> <b>2198 BLOOMFIELD HWY</b> <b>Farmington, NM 87401</b>		A. Signature <b>X</b> <i>Cindy Taylor</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
		B. Received by (Printed Name) <i>Cindy Taylor</i>	C. Date of Delivery
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES enter delivery address below	
		<b>3. Service Type</b> <input checked="" type="checkbox"/> <b>Certified</b> <b>4. Restricted Delivery? (Extra Fee)</b> <input type="checkbox"/> Yes	

PS Form 3811 7:50 AM 9/18/2003 Code: Payne 65 Domestic Return Receipt File:

<b>2. Article Number</b>		<b>COMPLETE THIS SECTION ON DELIVERY</b>	
<b>1. Article Address</b> <b>ST JOHN INSTITUTIONAL INVESTORS LP</b> <b>C/O THE DEERPATH OIL &amp; GAS PTNR INC</b> <b>ATTN LISA LAVIN</b> <b>800 E NORTHWEST HWY STE 203</b> <b>Mount Prospect, IL 60056</b>		A. Signature <b>X</b> <i>L. Nelson</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
		B. Received by (Printed Name) <i>L. Nelson</i>	C. Date of Delivery <i>11/17/03</i>
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES enter delivery address below	
		<b>3. Service Type</b> <input checked="" type="checkbox"/> <b>Certified</b> <b>4. Restricted Delivery? (Extra Fee)</b> <input type="checkbox"/> Yes	

PS Form 3811 7:50 AM 9/18/2003 Code: Payne 65 Domestic Return Receipt File:

<b>2. Article Number</b>		<b>COMPLETE THIS SECTION ON DELIVERY</b>	
<b>1. Article Address</b> <b>BP America</b> <b>Attn: Bryan Anderson</b> <b>PO Box 3092</b> <b>PO Box 3092</b> <b>Houston, TX 77253-3092</b>		A. Signature <b>X</b> <i>E.O. Hernandez</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
		B. Received by (Printed Name) <i>E.O. Hernandez</i>	C. Date of Delivery <i>NOV 20 2003</i>
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES enter delivery address below	
		<b>3. Service Type</b> <input checked="" type="checkbox"/> <b>Certified</b> <b>4. Restricted Delivery? (Extra Fee)</b> <input type="checkbox"/> Yes	

PS Form 3811 3:31 PM 9/15/2003 Code: FTC HPA initial Domestic Return Receipt File: *Payne 65*

**2. Article Number****COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

11/27/10

1. Article Addressed to:

PRODUCTION GATHERING CO LP  
8080 N CENTRAL EXPY STE 1090  
8080 N CENTRAL EXPY STE 1090  
Dallas, TX 75206

D. Is delivery address different from item 1? ☐ Yes

If YES enter delivery address below 00070307

3. Service Type

**Certified**

4. Restricted Delivery? (Extra Fee)



Yes

PS Form 3811

7:50 AM 9/18/2003

Domestic Return Receipt

Code: Payne RS

File

7110 6605 9590 0007 0437

<b>RETURN RECEIPT SERVICE</b>	RESTRICTED DELIVERY FEE	\$0.37	
	CERTIFIED FEE	\$2.30	
	RETURN RECEIPT FEE	\$1.75	
	<b>SENT TO:</b>	TOTAL POSTAGE AND FEE'S	

9/18/2003 Code: Payne 6S  
7:50 AM File:

**CONOCOPHILLIPS COMPANY**  
**ATTN CHIEF LANDMAN SAN JUAN/ROCKIES**  
**PO BOX 2197**  
**PO BOX 2197**  
**Houston, TX 77252-2197**

PS FORM 3800



**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (SEE OTHER SIDE)

7110 6605 9590 0007 0550

<b>RETURN RECEIPT SERVICE</b>	POSTAGE		<b>POSTMARK OR DATE</b>
	RESTRICTED DELIVERY FEE	\$0.37	
	CERTIFIED FEE	\$2.30	
	RETURN RECEIPT FEE	\$1.75	
<b>SENT TO:</b>	TOTAL POSTAGE AND FEE'S	\$4.42	

9/18/2003 Code: Payne 6S  
7:50 AM File:

**ROBERT UMBACH CANCER FOUNDATION**  
**BANK OF OKLAHOMA AGENT**  
**PO BOX 1588**  
**PO BOX 1588**  
**Tulsa, OK 74101**

PS FORM 3800



**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (SEE OTHER SIDE)

7110 6605 9590 0007 0666

<b>RETURN RECEIPT SERVICE</b>	POSTAGE		<b>POSTMARK OR DATE</b>
	RESTRICTED DELIVERY FEE	\$0.37	
	CERTIFIED FEE	\$2.30	
	RETURN RECEIPT FEE	\$1.75	
<b>SENT TO:</b>	TOTAL POSTAGE AND FEE'S	\$4.42	

9/18/2003 Code: Payne 6S  
7:50 AM File:

**WILLIAMS PRODUCTION COMPANY**  
**ONE WILLIAMS CENTER**  
**PO BOX 3102 MS25-3**  
**PO BOX 3102 MS25-3**  
**Tulsa, OK 74101**

PS FORM 3800



**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (SEE OTHER SIDE)