

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 NM010468	17 PM 2:43
1b. Type of Well GAS	Unit Reporting Number 070 Farmington, NM	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Howell Com J	9. Well Number 301S
4. Location of Well 475' FNL, 815' FWL	10. Field, Pool, Wildcat Basin Fruitland Coal	11. Sec., Twn, Rge, Mer. (NMPM) Sec 11, T-30-N, R-8-W API # 30-045-32016
Latitude 36° 49.8468'N, Longitude 107° 39.0167'W	12. County San Juan	13. State NM
14. Distance in Miles from Nearest Town 20.4 Miles Blanco Post Office	15. Distance from Proposed Location to Nearest Property or Lease Line 475'	16. Acres in Lease
17. Acres Assigned to Well 320 N/2	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 21'	19. Proposed Depth 3215
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR, Etc.) 6213 GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Frances Bend</u> Regulatory/Compliance Assistant	Date <u>10-22-03</u>

PERMIT NO. 10 David J. Mankiewicz

APPROVAL DATE

APPROVED BY

TITLE

DATE

FEB 4 2004

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.

HOLD C104 FOR NSL

This action is subject to technical and professional review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

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

NMOC

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

DISTRICT II
811 South First, Artesia, N.M. 88210

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 32016	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 7122	⁵ Property Name HOWELL COM J	⁶ Well Number 3015
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6213'

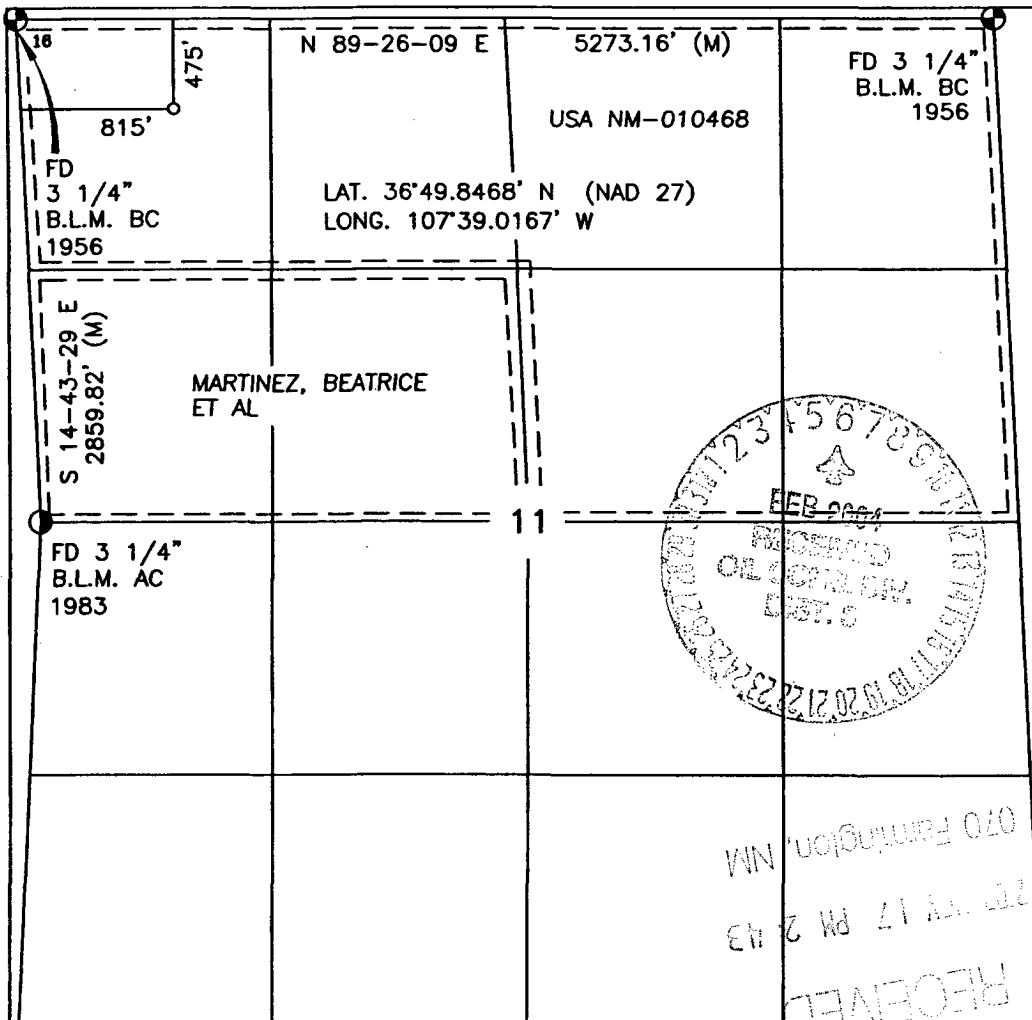
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	11	30-N	8-W		475'	NORTH	815'	WEST	SAN JUAN

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	County
¹² Dedicated Acres N/320			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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



17 OPERATOR CERTIFICATION

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

Frances Bond
Signature
Frances Bond
Printed Name
Regulatory Assistant
Title
10-22-03
Date

18 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.

DAVID A. JOHNSON
Date of Survey
NEW MEXICO
Signature and Seal of Professional Surveyor:
14827
Certificate Number

OPERATIONS PLAN

Well Name: Howell Com J 301S
Location: 475' FNL, 815' FWL Section 11, T-30-N, R-8-W
Latitude 36° 49.8468' N, Longitude 107° 39.0167' W
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6213' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2020'	
Ojo Alamo	2020'	2115'	aquifer
Kirtland	2115'	2855'	
Fruitland	2855'	2905'	
Intermediate TD	2855'		
Fruitland Coal	2905'	3130'	gas
B/Basal Coal	3130'	3135'	gas
Pictured Cliffs	3135'		
Total Depth	3215'		

Logging Program: none
Mudlog: from 7" to 3215
Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2855'	Non-dispersed	8.4-9.0	30-60	no control
2855-3215'	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' - 2855'	7"	20.0#	J-55
6 1/4"	2855' - 3215'	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' - 2855'	7"	20.0#	J-55
6 1/4"	2815' - 3215'	5 1/2"	15.5#	J-55

Tubing Program:

0' - 3215'	2 3/8"	4.7#	J-55
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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 @ 2115'. 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/244 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 (644 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 north half of Section 11 is dedicated to the Fruitland Coal.

Date: November 4, 2003 Drilling Engineer: Jim McLaughlin

BURLINGTON RESOURCES

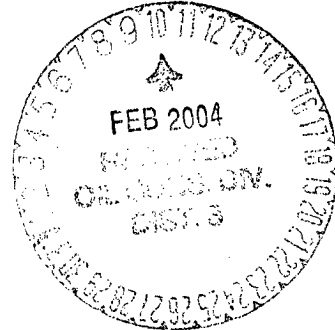
SAN JUAN DIVISION

Release Feb. 15, 2004
RF

November 13, 2003

(Certified Mail – Return Receipt Requested)

Re: Howell Corn J 301S
Basin Fruitland Coal
475'FNL, 815'FWL Section 11, T-30-N, R-8-W
San Juan County, New Mexico



To the Affected Persons:

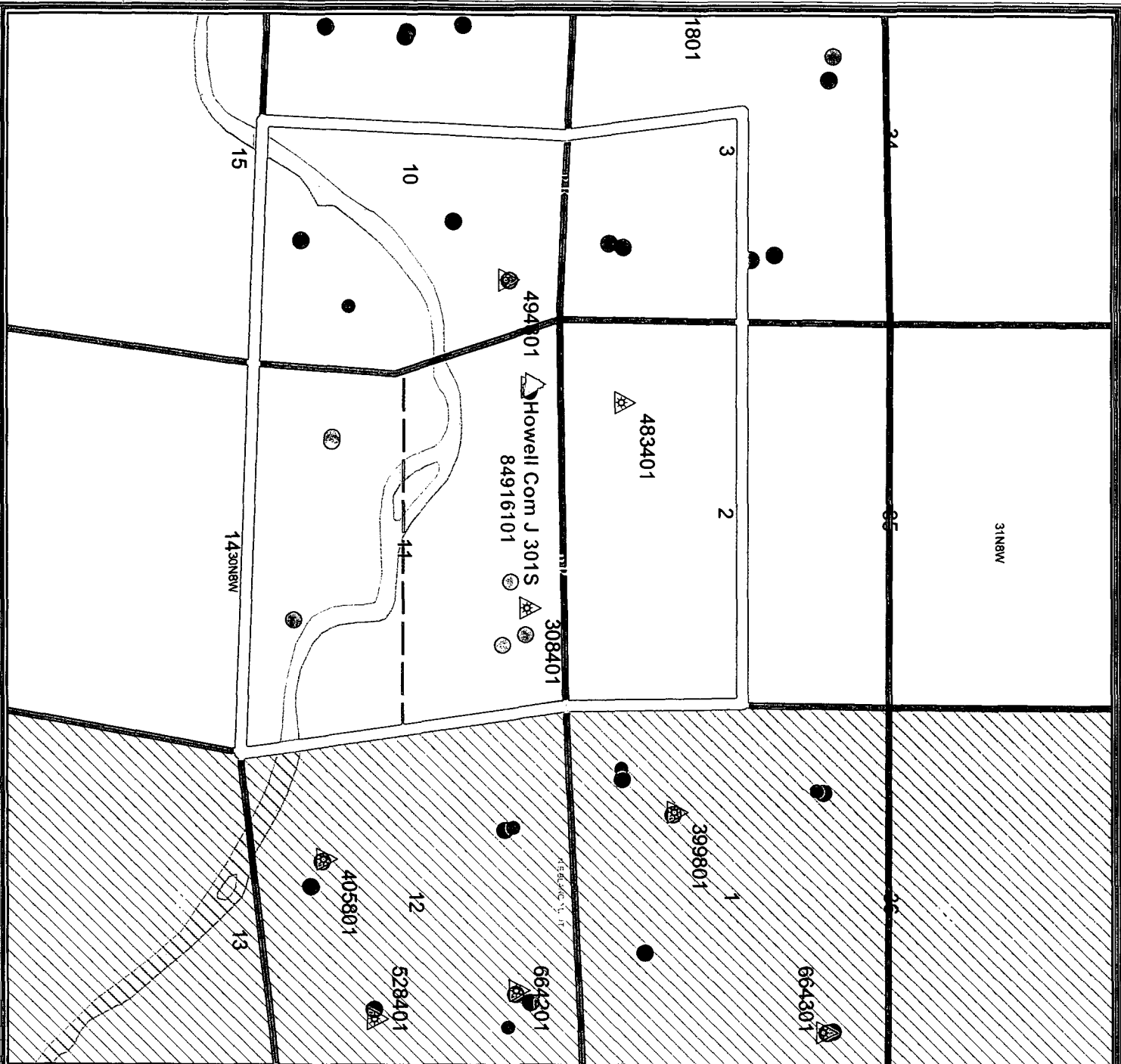
Burlington Resources Oil & Gas Company LP is submitting the enclosed Application for Permit to Drill to the appropriate regulatory agency(s) for approval. This well is located inside the High Productivity Area of the Basin-Fruitland Coal Pool as indicated on the attached plat. Notice is being made pursuant 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



Legend

▲ FRUITLAND COAL

Current Oper

Current Operator

● UNKNOWN

● BP AMERICA

● BROG

CONOCOPHILLIPS

● DEVON ENERGY

● KOCH EXPL

▭ Sections

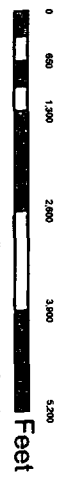
▭ Townships

▭ County Lines

▭ San Juan Federal Units Outlines

▭ U.S. Water Bodies

BURLINGTON
RESOURCES



GCS North American 1927

BURLINGTON RESOURCES

San Juan

HOWELL COM J 301S - HPA

SEC. 11, T30N, R8W

Prepared By: mlb Date: 1/19/2004
File Number: Revised Date: 1/19/2004
File Name: Public\Projects\1 San Juan Basin Users\1 San Juan Basin Users.dxd

7110 6605 9590 0007 6545

RETURN RECEIPT SERVICE	POSTAGE	\$0.34	POSTMARK OR DATE
	RESTRICTED DELIVERY FEE	\$0.00	
	CERTIFIED FEE	\$2.10	
	RETURN RECEIPT FEE	\$1.75	
SENT TO:		TOTAL POSTAGE AND FEE'S	\$4.19
1/19/2004 Code: FTC HPA INFILL 2:05 PM File: Howell Corn J 301S BP AMERICA PRODUCTION COMPANY ATTN BRYAN ANDERSON OSO ENGINEER SAN JUAN BU WEST LAKE 1 ROOM 19-114 501 WESTLAKE PARK BLVD HOUSTON, TX 77079			

PS FORM 3800



RECEIPT FOR CERTIFIED MAIL

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

2. Article Number		COMPLETE THIS SECTION ON DELIVERY	
1. Article Description CONOCOPHILLIPS COMPANY ATTN CHIEF LANDMAN SAN JUAN/ROCKIES PO BOX 2197 HOUSTON, TX 77252-2197		A. Signature <input checked="" type="checkbox"/> <i>[Signature]</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
		B. Received by (Printed Name)	C. Date of Delivery JAN 26 2004
		D. Is delivery address different from label? <input type="checkbox"/> Yes If YES enter delivery address below:	
		3. Service Type <input checked="" type="checkbox"/> Certified	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		0007 No552	

PS Form 3811

2:05 PM 1/19/2004

Code: FTC HPA INFILL Domestic Return Receipt

File: Howell Corn J 301S