



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

April 18, 1988

Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499-4289

Attention: Peggy Doak

Administrative Order NSL-2493

Dear Ms. Doak:

Reference is made to your application for a non-standard location for your Howell Com J Well No. 301 to be located 595 feet from the North line and 1085 feet from the East line (Unit A) of Section 11, Township 30 North, Range 8 West, NMPM, Wildcat Fruitland Pool, San Juan County, New Mexico. The NE/4 of said Section 11 shall be dedicated to the well.

By authority granted me under the provisions of Rule 104 F(I), the above-described unorthodox location is hereby approved.

Sincerely,

A handwritten signature in dark ink, appearing to read "William J. LeMay".

WILLIAM J. LeMAY,
Director

WJL/DRC/ag

cc: Oil Conservation Division - Aztec

Sec : 11 Twp : 30N Rng : 08W Section Type : NORMAL

D 40.00 Federal owned A C A	C 40.00 Federal owned	B 40.00 Federal owned A	A 40.00 Federal owned A A
E 40.00 Fee owned	F 40.00 Fee owned	G 40.00 Federal owned	H 40.00 Federal owned
L 40.00 Federal owned A C A	K 40.00 Fee owned	J 40.00 Federal owned	I 40.00 Federal owned
M 40.00 Fee owned	N 40.00 Fee owned	O 40.00 Fee owned A	P 40.00 Fee owned

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

03/02/04 08:37:12
OGOMES -TPZT

API Well No : 30 45 26896 Eff Date : 02-01-1989 WC Status : A
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 7122 HOWELL COM J

Well No : 301
GL Elevation: 6187

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	---	---	---	---	---
B.H. Locn : A	11	30N	08W	FTG	595 F N	FTG 1085 F E	P
Lot Identifier:							
Dedicated Acre: 320.00							
Lease Type : F							
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :							

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 03/02/04 08:37:19
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TPZT

Page No : 1

API Well No : 30 45 26896 Eff Date : 04-30-1991
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)
Prop Idn : 7122 HOWELL COM J Well No : 301
Spacing Unit : 6922 OCD Order : Simultaneous Dedication:
Sect/Twp/Rng : 11 30N 08W Acreage : 320.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	A		11	30N	08W	40.00	N	FD		
	B		11	30N	08W	40.00	N	FD		
	C		11	30N	08W	40.00	N	FD		
	D		11	30N	08W	40.00	N	FD		
	E		11	30N	08W	40.00	N	FE		
	F		11	30N	08W	40.00	N	FE		
	G		11	30N	08W	40.00	N	FD		
	H		11	30N	08W	40.00	N	FD		

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD : ONGARD 03/02/04 08:37:27
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPZT
Page No: 1

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO

Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)

API Well No : 30 45 26896 Report Period - From : 01 2003 To : 12 2003

API Well No			Property Name	Prod.	Days	Production Volumes			Well
				MM/YY	Prod	Gas	Oil	Water	Stat
30	45	26896	HOWELL COM J	01 03	31	29091		80	F
30	45	26896	HOWELL COM J	02 03	28	25507		505	F
30	45	26896	HOWELL COM J	03 03	31	27762			F
30	45	26896	HOWELL COM J	04 03	30	26534		505	F
30	45	26896	HOWELL COM J	05 03	31	23669		80	F
30	45	26896	HOWELL COM J	06 03	30	26141			F
30	45	26896	HOWELL COM J	07 03	31	26244			F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

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PF01 HELP      PF02          PF03 EXIT      PF04 GoTo      PF05          PF06 CONFIRM
PF07 BKWD      PF08 FWD      PF09          PF10 NXTPOOL PF11 NXTOGD   PF12
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OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO
Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)
API Well No : 30 45 26896 Report Period - From : 01 2003 To : 12 2003

API Well No				Property Name	Prod.	Days	Production Volumes			Well
					MM/YY	Prod	Gas	Oil	Water	Stat
30	45	26896	HOWELL	COM J	08 03	31	25724		220	F
30	45	26896	HOWELL	COM J	09 03	30	24338			F
30	45	26896	HOWELL	COM J	10 03	31	24892			F
30	45	26896	HOWELL	COM J	11 03	30	22305		240	F

Reporting Period Total (Gas, Oil) :	282207	1630
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E0049: User may continue scrolling.

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PF01 HELP      PF02          PF03 EXIT      PF04 GoTo      PF05          PF06 CONFIRM
PF07 BKWD      PF08 FWD      PF09          PF10 NXTPOOL PF11 NXTOGD  PF12
```

CMD : ONGARD 03/02/04 08:36:30
OG6IWCM INQUIRE WELL COMPLETIONS. OGOMES -TPZT

API Well No : 30 45 32016 Eff Date : 02-04-2004 WC Status : N
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 7122 HOWELL COM J

Well No : 301S
GL Elevation: 6213

		U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
		-----	-----	-----	-----	-----	-----	-----
B.H. Locn	:	D	11	30N	08W	FTG 475 F N	FTG 815 F W	P
Lot Identifier:								
Dedicated Acre: 320.00								
Lease Type	:	F						
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : C								

```

M0025: Enter PF keys to scroll
PF01 HELP      PF02          PF03 EXIT      PF04 GoTo      PF05          PF06
PF07          PF08          PF09          PF10 NEXT-WC  PF11 HISTORY  PF12 NXTREC

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CMD : ONGARD 03/02/04 08:36:38
 OG6ACRE C102-DEDICATE ACREAGE OGOMES -TPZT
 Page No : 1

API Well No : 30 45 32016 Eff Date : 04-30-1991
 Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)
 Prop Idn : 7122 HOWELL COM J Well No : 301S
 Spacing Unit : 6922 OCD Order : Simultaneous Dedication:
 Sect/Twp/Rng : 11 30N 08W Acreage : 320.00 Revised C102? (Y/N) :
 Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	A	11	30N	08W	40.00	N	FD			
	B	11	30N	08W	40.00	N	FD			
	C	11	30N	08W	40.00	N	FD			
	D	11	30N	08W	40.00	N	FD			
	E	11	30N	08W	40.00	N	FE			
	F	11	30N	08W	40.00	N	FE			
	G	11	30N	08W	40.00	N	FD			
	H	11	30N	08W	40.00	N	FD			

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

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
1b. Type of Well GAS	Unit Reporting Number 070 Farmington, NM
2. Operator BURLINGTON RESOURCES Oil & Gas Company	6. If Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name
4. Location of Well 475' FNL, 815' FWL Latitude 36° 49.8468'N, Longitude 107° 39.0167'W	8. Farm or Lease Name Howell Com J
	9. Well Number 301S
	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
14. Distance in Miles from Nearest Town 20.4 Miles Blanco Post Office	12. County San Juan
	13. State NM
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. 18 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

This action is subject to technical and
permitted 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
1826 N. French Dr., Hobbs, N.M. 88240

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

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

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

OIL CONSERVATION DIVISION
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

<div>16</div> <div>FD 3 1/4" B.L.M. BC 1956</div> <div>815'</div> <div>475'</div> <div>N 89-26-09 E</div> <div>5273.16' (M)</div> <div>USA NM-010468</div> <div>LAT. 36°49.8468' N (NAD 27)</div> <div>LONG. 107°39.0167' W</div> <div>MARTINEZ, BEATRICE ET AL</div> <div>11</div> <div>FD 3 1/4" B.L.M. AC 1983</div> <div>S 14-43-29 E 2859.82' (M)</div> <div>FD 3 1/4" B.L.M. BC 1956</div>	<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div> <div>Frances Bond</div> <div>Signature</div> <div>Frances Bond</div> <div>Printed Name</div> <div>Regulatory Assistant</div> <div>Title</div> <div>10-22-03</div> <div>Date</div>	<div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div>DAVID A. JOHNSON</div> <div>Date of Survey</div> <div>NEW MEXICO</div> <div>14827</div> <div>Signature and Seal of Professional Surveyor</div> <div>14827</div> <div>Certificate Number</div>
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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: Jeff McLaughlin

BURLINGTON RESOURCES

SAN JUAN DIVISION

Release Feb. 15, 2004
RF

November 13, 2003

(Certified Mail – Return Receipt Requested)

Re: Howell Com 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:

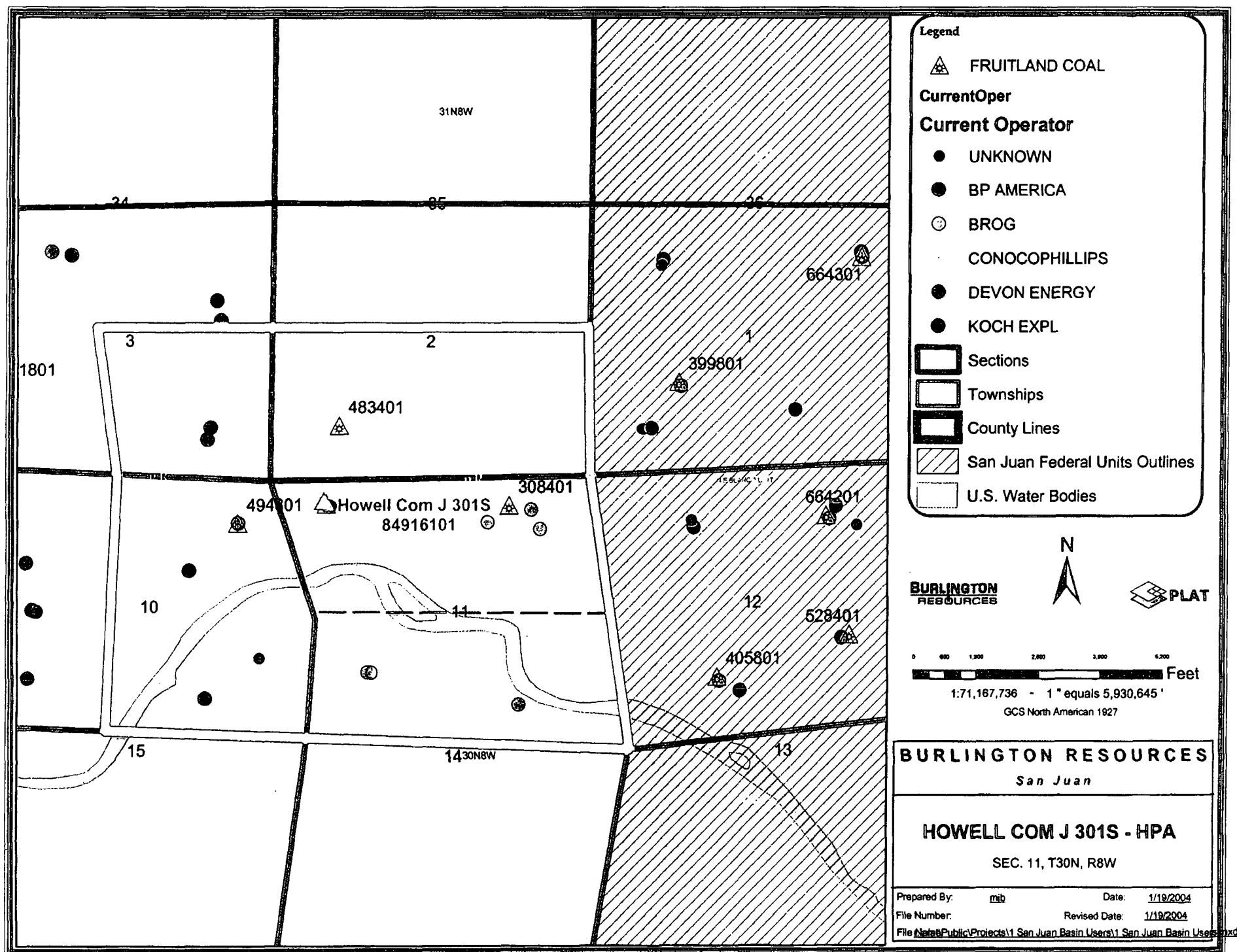
Burlington Resources Oil & Gas Company LP is submitting the enclosed Application for Permit to Drill to the appropriate regulatory agency(s) for approval. This well is located inside the High Productivity Area of the Basin-Fruitland Coal Pool as indicated on the attached plat. Notice is being made pursuant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



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	
	TOTAL POSTAGE AND FEES	\$4.19	
SENT TO:			
1/19/2004 Code: FTC HPA INFILL 2:05 PM File: Howell Com 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 point ZIP+4	
		3. Service Type <input checked="" type="checkbox"/> Certified	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	

PS Form 3811

2:05 PM 1/19/2004

Code: FTC HPA INFILL

Domestic Return Receipt

File: Howell Com J 301S