BURLINGTON RESOURCES

SAN JUAN DIVISION

Federal Express - September 26, 2000

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

Re:

Johnston A #13M 950'FSL, 1670'FEL, Section 36, T-27-N, R-6-W, Rio Arriba County 30-039-26086



This is a request for administrative approval for a non-standard gas well location in the South Blanco Tocito Pool.

This well was drilled and completed in 1999 as a Blanco Mesaverde/WC27N6W36O Gallup/Basin Dakota at a standard location for all three pools. In discussion with Mr. Steve Hayden of your Aztec District office, this well has now been assigned to the South Blanco Tocito oil pool due to the gas-oil ratio and is therefore non-standard for the Tocito per Order R-1191.

Production from the Tocito is included in an 80 acre gas spacing unit comprising the south half (S/2) of the southeast quarter (SE/4) of Section 36.

Production from the Mesaverde is included in a 320 acre gas spacing and proration unit for the east half (E/2) in Section 36 and is to be dedicated to the Johnston A #8 (30-039-06836) located at 1180'FNL, 1650'FEL in Section 36.

Production from the Dakota is included in a 320 acre gas spacing unit and proration unit for the east half (E/2) of Section 36 and is to be dedicated to the Johnston A #13 (30-039-20116) located at 1840'FNL, 1650'FEL in Section 36 and which was plugged and abandoned in July 1998. Production of the Mesaverde/Gallup/Dakota was originally commingled under Order DHC-2404. Burlington Resources is requesting an amendment to DHC-2404 to include the South Blanco Tocito.

To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

- APD for the well approved as a Mesaverde/Dakota
- Approved Notice of Intent to add the WC27N6W36O Gallup
- C-102 plat showing location of the well;
- Copy of Well Completion Log for the completions;
- Geologic map and explanation
- Nine Section plat showing offset operators/owners



Johnston A #1	3M
Application for	Non-standard Location
Page Two	

Please also see the map of the Tocito sandstone attached to the Johnston A Com C #9A non-standard location application.

A copy of this application is being submitted to all offset owners/operators by certified mail with a request that they furnish your Santa Fe office with a Waiver of Objection, and return one copy to this office.

Please let me know if you have any questions concerning this application.

Sincerely yours,

Peggy Cole

Regulatory Supervisor

WAIVER

	hereby waives objection to Burlington	
non-standard loc	cation for the Johnston A #13M as proposed abo	ove.
By:	Date:	
,		

xc:

New Mexico Oil Conservation Division - Aztec Bureau of Land Management - Farmington

District 1

PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

204

State of New Mexico nergy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-101 Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office State Lease - 6 Copies

AMENDED REPORT

Fee Lease - 5 Copies

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State of New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division

		ssigned by OCD)
	=	39-26086 e Number
Type of Well GAS	J. Meda	e number
	6. Sta t E-29	ce Oil&Gas Lease
Name of Operator		se Name/Unit Name
BURLINGTON		
RESOURCES OIL & GAS COMPANY	=	nston A
Address & Phone No. of Operator		l No.
PO Box 4289, Farmington, NM 87499 (505) 326-9700	9. Poo Bla	l Name or Wildca nco MV/ Lak go Gal in Dakota
Location of Well, Footage, Sec., T, R, M	10. Ele v	
950'FSL, 1670'FEL, Sec 36, T-27-N, R-6-W, NMPM, Rio Arrib	oa County	-
Type of Submission Type of Action X Notice of Intent Abandonment _X Cha	ange of Plans	
Recompletion New	w Construction	
	n-Routine Fract ter Shut off	curing
Final Abandonment Altering Casing Con		jection
X Other -		
Describe Proposed or Completed Operations It is intended to add the Gallup formation to the completed is a new C-102 plat. The well will tr	pletion of the rimingled under	subject well. DHC-2404.
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District I RD Box 1981, Hobbs, NM 88241-1980

District II PO Drawer II. Artesia, NM 88211-0719

District III 1000 Ric Energy Rd., Artec. NY 87410

1000 His 5-3205 Hu., AZTEC, Nº 67410

District I. PO Box 2008. Santa Fe. NM B7504-2088 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
domit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATIC', AND ACREAGE DEDICATION PLAT

API Number	Pool Code	'Pool Name	
30-039-26086	7:319/6460/71599	Blanco Mesaverde/South Blanco T	ocito/Basin Dakota
*Propert, Code		roperty Name	Well Number
. 7200	JO	HNSTON A	13M
OGFIC No.	° O _I	perator Name	*Elevation
14538	BURLINGTON FESOU	RCES OIL & GAS COMPANY	6550

10 Surface Location RIC ARPIBA East/West line Range Feet from the North/South line Feet from the TOWNEDID UL or lot to Section EAST 1670 SOUTH 27N 6W 950 36 11 Bottom Hole Location If Different From Surface COURTY North/South line Feet from the East/West line-UL OF lot TC Sect100 ⁴ Order No. 13 Joint or-Infill | 14 Consolidation Code MV-E/320; Gal-80 DK-E/320

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

16	5276.	70 .			" OPERATOR CERTIFICATION
5				· · · · · · · · · · · · · · · · · · ·	I hereby certify that the information contained herein is true-and-complete to the best of my knowledge and belief
Revised to snow pool and acreas	correct Tocito	•			
boot and acreas	e dedicación			· · · · · · · · 	
5342.04	3	6 - s	T E-290	2629.44	Signature Peggy Cole Printed Name Regulatory Administrator Title G-25-00 Date 18 SURVEYOR CERTIFICATION I hereby certify that one well location shown on this olar was plotted from itself notes of actual shown on the or under my supervision and that the same is thus and correct to the best of my belast.
			1	1.02	NOVEMBER 19, 1998 Date of Survey
	<u> </u>				Signature and Seal of Professional Servetor
			1670	(J)	Signature and Seal Co.EDWAAA
		100 PE			7 6057 G
	5279	1.34			Certificate Number

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-105 **Revised 1-1-89**

District Office

State Lease - 6 copies Fee Lease - 5 copies

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P. O. Box 2089

Santa Fe, New Mexico 87504-2088

WELL API NO. 30-039-26086

5. Indicate Type of Lease STATE X FEE

DISTRICT II P.O. Drawer DD, Artesia, NM 88210 6. State Oil & Gas Lease No _____ E-290 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 WELL COMPLETION OR RECOMPLETION REPORT AND LOG 7. Lease Name or Unit Agreement Name 18. TYPE OF WELL: DRY OTHER DHC-2404 GAS WELL OIL WELL b. TYPE OF COMPLETION: PLUG DIFF Johnston A WORK NEW OTHER BACK DEEPEN WELL 8. Well No. 13M 2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY 9. Pool name or Wildcat Blanco MVWC:27N6W36O Gal/Basin DK 3. Address of Operator PO BOX 4289, Farmington, NM 87499 Line 4. Well Location East Feet From The 1670 Line and 950 Feet From The South 0: Unit Letter County Rio Arriba NMPM 6W 27N Range Township 13. Elevations (DF&RKB, RT, GR, etc.) 14. Elev. Casinghead Section 12. Date Compl. (Ready to Prod.) 11. Date T.D. Reached 6550 GR. 6563 KB 10. Date Spudded 12-9-99 5-19-99 Cable Tools 5-10-99 Rotary Tools 18. Intervais 17. If Multiple Compl. How 16. Plug Back T.D. 15. Total Depth Many Zones? 0-7641 7624 20. Was Directional Survey Made 7641 19. Producing interval(s), of this completion - Top, Bottom, Name Commingled w/Mesaverde & Dakota 22. Was Well Cored 6900-6910 Gallup 21. Type Electric and Other Logs Run

AIT, CDL, CBL-CCL-GR CASING RECORD (Report all strings set in well)

AMOUNT PULLED **CEMENTING RECORD** HOLE SIZE **DEPTH SET** WEIGHT LB/FT. CASING SIZE 201 cu.ft. 12 1/4 227 32.3# 1190 cu.ft. 9 5/8 8 3/4 3381 23# 693 cu.ft. 6 1/4 76**27** 0.5# 4 1/2 **TUBING RECORD** LINER RECORD DEPTH SET | PACKER SET SIZE 24. SCREEN SACKS CEMENT BOTTOM TOP

7460 2 3/8 SIZE 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. 26. Perforation record (interval, size, and number) AMOUNT AND KIND MATERIAL USED DEPTH INTERVAL

70 Qual foam, 20,000# 20/40 Brady sd 6900-6910' 6900-6910 PRODUCTION

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12-9-99	1			Test Peri					er - Bbl	Oil Gravity -	API - (Corr.)	
Flow Tubing Press.	Casing	Pressure	Calculated 2	4-	Oil - Bb		as - MCF	i ****	gt - DD.	1		
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29. Disposition of G	23 (0010) To	be sold							<u> </u>			
1	10	06 30.0										

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature\

Name Peggy Bradfield

Title

Regulatory Administrator

Date 12-13-99

St. f New Mexico
Energy, Minerals and Natural Resources Department

District Office State Lease - 6 copies

Form C-105 Revised 1-1-89

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ease - 5 copies				AL 511 /	أكأأ	1 1 1 1 2			LL API N	0		
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Drawer DD, Artesia, NA	A 88210 S	anta Fe, N	ew Me	xico 87504	-2088	OEC	1 -3 .			STATE		
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MELT X OVE	`								8. Well N	O.		<u> </u>
Name of Operator BURLINGTON RE	COURCES OIL &	GAS COMP	ANY						13M			
BURLINGTON RE Address of Operator	SOURCES OIL &	C/AO CO.III							9. Pool n	ame or Wildo	et Envaro	Gal/Basin DK
PO BOX 4289, Fa	rmington, NM 874	99							Sianco M	V/VVC.27110		00.00
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Unit Letter	<u> </u>	Feet From	The	South		Line and		070				
·			27	M 0	ange	6\	<i>t</i> N	IMPM		Rio Arriba		County
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State of New Mexico

Energy, Minerals

Natural Resources Department

Form C-105 Revised 1-1-89

District Office State Lease - 6 copies

Fee Lease - 5 copies

DISTRICT P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

	WELL API NO.
	30-039-26086
$i\theta g$	5. Indicate Type of Lease STATE X FEE

P. O. Box 2089 **DISTRICT II** Santa Fe, New Mexico 87504-2088 P.O. Drawer DD, Artesia, NM 88210 6. State Oil & Gas Lease No. E-290 **DISTRICT III** 1000 Rio Brazos Rd., Aztec, NM 87410 WELL COMPLETION OR RECOMPLETION REPORT AND LOG 7. Lease Name or Unit Agreement Name 1a. TYPE OF WELL: **DHC-2404 OTHER** GAS WELL X DRY OIL WELL b. TYPE OF COMPLETION: DIFF PLUG Johnston A WORK NEW OTHER RESVR BACK DEEPEN OVER WELL 8. Well No. 13M 2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY 9. Pool name or Wildcat Blanco MV/WC:27N6W36O Gal/Basin DK 3. Address of Operator PO BOX 4289, Farmington, NM 87499 4. Well Location East Line Feet From The 1670 Line and South 950 Feet From The 0: **Unit Letter** County Rio Arriba **NMPM** 6W Range Township 27N 13. Elevations (DF&RKB, RT, GR, etc.) 36 14. Elev. Casinghead Section 12. Date Compl. (Ready to Prod.) 11. Date T.D. Reached 10. Date Spudded 6550 GR, 6563 KB 12-9-99 5-19-99 Cable Tools 5-10-99 Rotary Tools 18. Intervals 17. If Multiple Compl. How 16. Plug Back T.D. 15. Total Depth **Drilled By** Many Zones? 0-7641 7624 20. Was Directional Survey Made 7641 19. Producing Interval(s), of this completion - Top, Bottom, Name Commingled w/Mesaverde & Gallup 7364-7580 Dakota 22. Was Well Cored 21. Type Electric and Other Logs Run AIT, CDL, CBL-CCL-GR CASING RECORD (Report all strings set in well) AMOUNT PULLED CEMENTING RECORD 23. HOLE SIZE DEPTH SET WEIGHT LB/FT. CASING SIZE 201 cu.ft. 12 1/4 227 32.3# 9 5/8 1190 cu.ft. 8 3/4 3381 23# 6 1/4 693 cu.ft. 7627 10.5# 4 1/2 TUBING RECORD LINER RECORD DEPTH SET PACKER SET SIZE 24. SCREEN SACKS CEMENT BOTTOM TOP 7460 SIZE 2 3/8 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. Perforation record (interval, size, and number) AMOUNT AND KIND MATERIAL USED 7364-7379', 7454-7459', 7486-7501', 7560-7580' DEPTH INTERVAL 7500 gai 50 Qual foam, 49,000# 20/40 tempered LC sd 7364-7580 PRODUCTION Well Status (Prod. or Shut-in) Production Method (Flowing, gas lift, pumping - Size and type pump) SI Date First Production Flowing Gas - Oil Ratio Water - 8bl. Gas - MCF Choke Size | Prod'n for Oil - Bbl. Hours Tested Date of Test 1237 MCF/D Pitot Gauge Test Period Oil Gravity - API - (Corr.) 12-9-99 Water - Bbl Oil - Bbl Gas - MCF Calculated 24-Casing Pressure Flow Tubing Press. 1237 MCF/D Hour Rate SI 880 Test Witnessed By SI 960 29. Disposition of Gas (Sold, used for fuel, vented, etc.) To be sold

30. List Attachments

None

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed

Name Peggy Bradfield Signature

Regulatory Administrator Title

Date 12-13-99

Johnston A Well Number 13M 950' FSL & 1670' FEL Section 36, T27N, R6W San Juan County, New Mexico Blanco Mesaverde/South Blanco-Tocito/Basin Dakota Pool

The Johnston A 13M was completed in December 1999 as a producer from three commingled horizons, the Mesaverde, Tocito and Dakota. Current production rates are approximately 470 MCFD from the Dakota, 25 MCFD from the Tocito and 110 MCFD from the Mesaverde. Each zone is contributing 1 to 2 BOPD.

The Mesaverde spacing unit for the Johnston A 13M is the E/2 of Section 36-T27N-R6W. The well is located at a standard Mesaverde location within the spacing unit. The Johnston A 13M is the second Mesaverde well completed in the 320 acre spacing unit. The location of the well was originally selected to optimize recovery from the Mesaverde Group. The primary control on productivity in the Mesaverde is the density of natural fractures. Fracture orientation ranges from due north to north 30 degrees east. Gas drainage areas are elliptical in shape with the long axis parallel to the direction of fracture orientation. A drainage ellipse map of the project vicinity indicates that undeveloped gas reserves remain to be exploited by the 13M in the SE/4 of Section 36-T27N-R6W. The drainage ellipse map is based upon data derived from a larger study of the entire Blanco Mesaverde Pool (estimated ultimate recovery calculated for all wells in the Blanco Mesaverde Pool, original gas in place values calculated for entire Blanco Mesaverde Pool, etc.).

The Dakota spacing unit for the Johnston A 13M is the E/2 of Section 36-T27N-R6W. The well is located at a standard Dakota location within the spacing unit. The Johnston A 13M is the second Dakota well completed in the 320 acre spacing unit. Exact placement of the well within the undrilled 160 acre tract in the SE/4 of the section was not viewed as critical to success of the new drill project in the Dakota.

The Johnston A 13M was permitted and drilled as a wildcat Tocito test. There was no Tocito production from Section 36-T27N-R6W at the time the Johnston A 13M was drilled. Exact placement of the test within the SE/4 of the section was not viewed as critical to success of the new drill project in the Tocito. Upon successful completion in the Tocito, the NMOCD incorporated the Johnston A 13M in the South Blanco-Tocito Oil Pool located just to the south and west. The Tocito reservoir developed at the well appears to be the stratigraphic equivalent of that developed at South Blanco-Tocito Pool. Current production from the Tocito at the Johnston A 13M is approximately 25 MCFD with 1 BOPD. Under NMOCD definition, the Johnston A 13M is a Tocito oil well (based on the gas oil ratio). Rule 3 of the Special Rules and Regulations for the South Blanco-Tocito Oil Pool states that all wells "shall be located in the center of the Northwest quarter or the Southeast quarter of a governmental quarter section with a e

center of the Northwest quarter of the Southeast quarter of a governmental quarter section with
tolerance of 100 feet in any direction to avoid surface obstructions." The location of the
Johnston A 13M does not meet these criteria and the well is now a non-standard location in the
South Blanco-Tocito Pool. The Tocito pay section penetrated by the Johnston A 13M is
interpreted as geologically comparable to that expected at any other test drilled at a standard

Johnston_A_ 13M_NSL

08/01/00

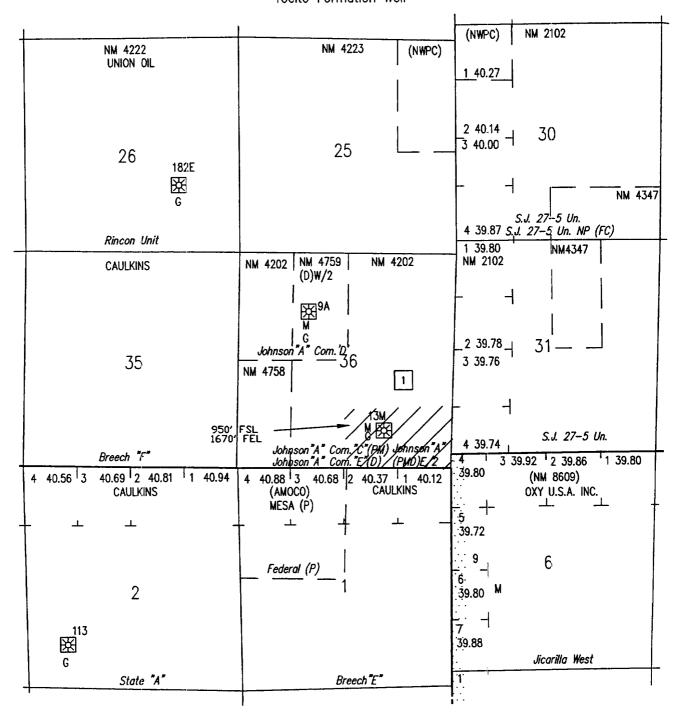
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Johnston A #13M 27N - 6W - 36Blanco Mesaverde / S. Blanco Tocito / Basin Dakota NM 2102 (NWPC) 164 13 NM 427 NN 4222 UNION OF 70A 100 3704 125M 4227 ₩ 325 938 30 1044 1551 2213 25 26 2205 141 100A 182 110 34 **⊕** 茶 157M 586 1000 NM. 4347 / ⊠ 258 网 /25 70 2672^P P 2629 М 346 472ncon Um **Ž**78 4134 NP 165 3325 668 NM-2/02 NM: 4202 MM-4759 NM-420: CAULKINS 3076 166 (D)W/212 45M 2018 P 3105 图 2409 /112 4565 489 **3065** 13 G Johnson "A Com. 35 6 NM 4788 _P ∰ 97/ 1844 2164 MD/45-F 13M 422 wo'89 ₩Œ 掇 436 S.J 27-5 963 М S Johnson"A" Cor Johnson"A' Cor "C"(PM) Johnson "E"(D) (PMD)E/ 1270 Breech "F" 9M (NM 8609) CAULKINS CAULKINS (AMOCO) 9A 29 INC. 🔀 м <u>Ж</u> 813 MESA (P 3627 M 62 [] 5486 166 1266 1071 118E M 115 М 589 1/351 6 斑 Federal (F) 605 2 987 88 **⊠** 6**4**M 139 **☆** 118 113 124 М 器 971 314 Jicarilla West G 1520 State "A" Bree Johnston A #13M
Well Location Mesoverde CUM Johnston A #13M Drainage Area (Bosed on MV EUR) Spacing Unit Mesoverde EUR

BURLINGTON RESOURCES OIL AND GAS COMPANY

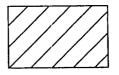
Johnston A #13M Section 36, T-27-N, R-6-W OFFSET OPERATOR/OWNER PLAT

Nonstandard Location Tocito Formation Well



Burlington Resources — Working Interest Owner

Working Interest Owners — See Attached List



Proposed Well

Johnston A #13M -Working Interest Owners

Claudia Marcia Lundell Gilmer Attention: Capital JIB 30 Golden Place Woodlands, Texas 77381

Linda Jeanne Lundell Lindsey PO Box 631565 Nacogdoches, Texas 75963-1565

Carolyn Beamo Tilley 5225 Preston Haven Dallas, Texas 75229

Robert Walter Lundell 2450 Fondren #304

Houston, Texas 77063

James Robert Beamon 2603 Augusta, Suite 1050 Houston, Texas 77057

Susan Beamon Porter 319 Knipp Forest Houston, Texas 77024

Sharon B. Burns 401 Headlands Avenue Mill Valley, California 94941

Cathryn Beamon Attention: Capital JIB 1200 South Dairy Ashford #1413 Houston, Texas 77057

Robert Beamon 2603 Augusta, Suite 1050 Houston, Texas 77057 Re: Johnston A #13M

950'FSL, 1670'FEL, Section 36, T-27-N, R-6-W, Rio Arriba County

30-039-26086

I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard well location of the above well.

Claudia Marcia Lundell Gilmer 30 Golden Place Woodlands, TX 77381

Linda Jeanne Lundell Lindsey PO Box 631565 Nagodoches, TX 75963

Carolyn Beamo Tilley 5225 Preston Haven Dallas, TX 75229

Robert Walter Lundell 2450 Fondren #304 Houston, TX 77063

James R. Beamon 2603 Augusta, Suite 1050 Houston, TX 77057

Susan Beamon Porter 319 Knipp Forest Houston, TX 77024

Sharon B. Burns 401 Headlands Avenue Mill Valley, CA 94941

Cathryn Beamon 1200 S. Dairy Ashford #1413 Houston, TX 77057

Robert Beamon 2603 Augusta, Suite 1050 Houston, TX 77057

Peggy Cole

Regulatory Supervisor Burlington Resources