UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

la.	Type of Work	2005 FEB 2 Pri 1 57	5. Lease Number NMSF043260C	
	DRILL	RECEIVED	Unit Reporting Number	
		070 FARMINGTON NM	NANA 073643	
b.	Type of Well GAS	OTO LAMMINGTON WA	6. If Indian, All. or Tribe	
		AVAIL TO THE A	7. Usit Agraement Nome	
2.	Operator BURLINGTON		7. Unit Agreement Name	
	RESOURCES OIL& C	as Company	A	
3,	Address & Phone No. of Ope		Fogelson 4	
	PO Box 4289, Farmi	ngcon, Nit-67499	9. Well Number	
	(505) 326-9700) 1E	
	Location of Well 975' FNL, 1085' FEL	CON 118.13.13	10. Field, Pool, Wildcat Basin Dakota	
	9/3 FNL, 1065 FEL		11. Sec., Twn, Rge, Mer. (NMPM)	
	Latitude 36° 45.5203	'N, Longitude 107º 59.467		-W
			API # 30-045-32883	
4.	Distance in Miles from Near	est Town	12. County 13. State	
	4.5 miles to Int. of	Hwy 64 and 550	San Juan N	M
15.	Distance from Proposed Loc 975'	cation to Nearest Property or Lease	Line	
16.	Acres in Lease		17. Acres Assigned to Well E/305.89	
			E/ 303.69	
18.	Distance from Proposed Loc 2414'	cation to Nearest Well, Drlg, Compl,	or Applied for on this Lease	
19.	Proposed Depth		20. Rotary or Cable Tools	
	7030′		Rotary	
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start	
21.	Elevations (DF, FT, GR, Etc. 5884' GR		22. Approx. Date Work will Start	
	5884' GR Proposed Casing and Ceme	nting Program	22. Approx. Date Work will Start	
21. 23.	5884' GR	nting Program	22. Approx. Date Work will Start	
	5884' GR Proposed Casing and Ceme	nting Program	22. Approx. Date Work will Start	
	Proposed Casing and Ceme See Operations Pla Authorized by:	nting Program n attached MMUL JACO	22. Approx. Date Work will Start	
23.	Proposed Casing and Ceme See Operations Pla Authorized by:	nting Program	22. Approx. Date Work will Start 12-1-04	
23. 24.	Proposed Casing and Ceme See Operations Pla Authorized by: Regulato	nting Program n attached MMU MOD ry/Compliance Specialist	12-1-04 Date	
23. 24. PERM	Proposed Casing and Ceme See Operations Pla Authorized by:	nting Program n attached MMUL JACO	12-1-04 Date	

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.

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

MMOCD

This action is subject to technical and procedural review pursuant to 43 OFR 3165.3 and appeal pursuant to 43 OFR 3165.4

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised June 10, 2003

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 67410 OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

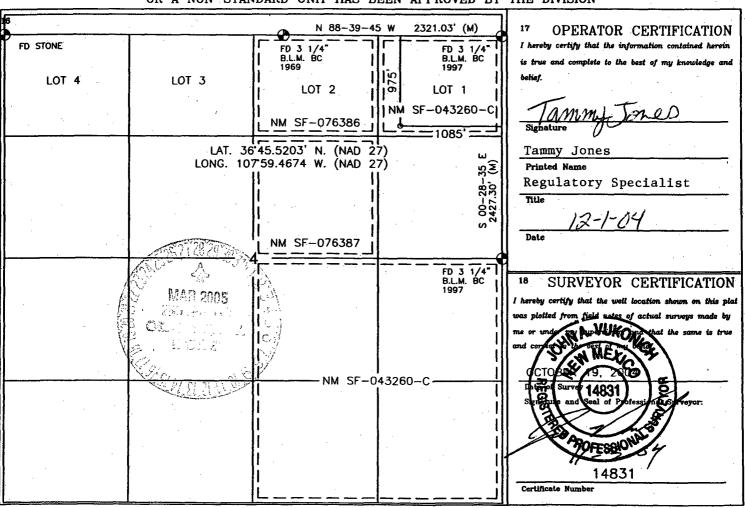
Submit to Appropriate District Office
State Lease — 4 Copies
Fee Lease — 3 Copies

DISTRICT IV 1220 South St. Francis Dr., Santa Fe, NM 87505 2005 FEB 2 PM 1 5th amended report

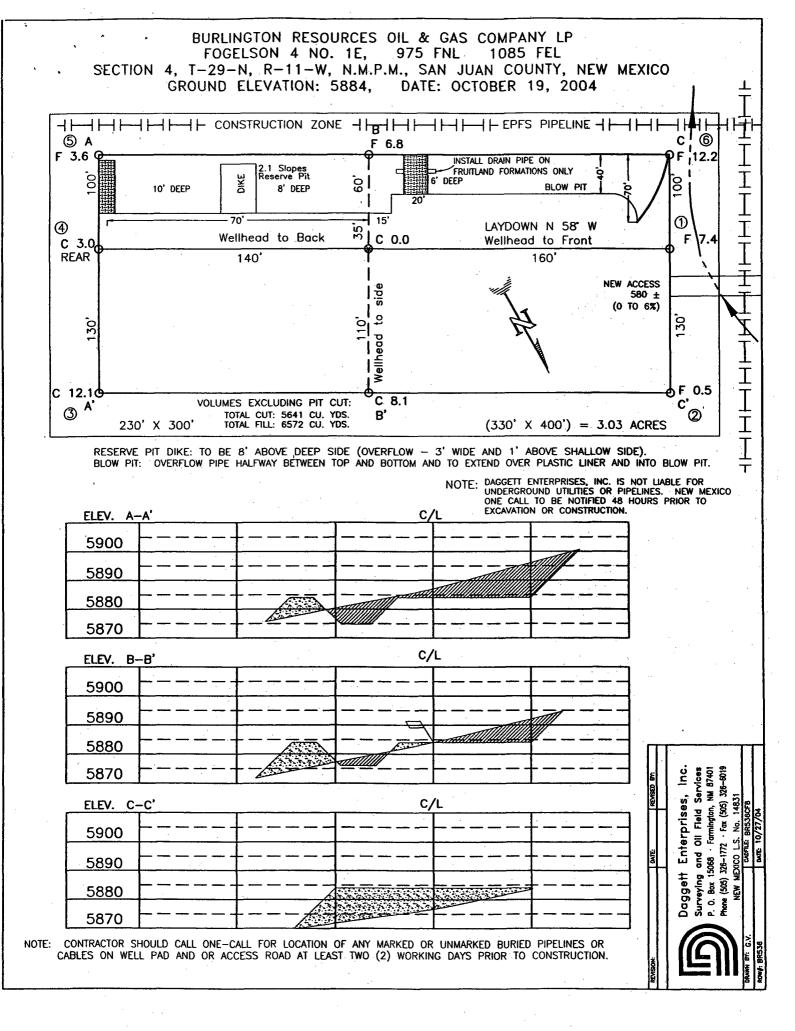
WELL LOCATION AND ACREAGE DEDICATION PLAT Basin Dakota FARMINGTON NM *Pool Code 30-045-71599 Well Number ⁴Property Code ⁸Property Name 7026 FOGELSON 4 1E OGRID No. Operator Name Elevation BURLINGTON RESOURCES OIL & GAS COMPANY LP 5884' 14538 ¹⁰ Surface Location

North/South line UL or lot no. Section Township Range Lot Idn Feet from the Feet from the East/West line County **NORTH** 29-N 975 1085 11-W **EAST** SAN JUAN 11 Bottom Hole Location If Different From Surface Feet from the North/South line Feet from the East/West line UL or lot no. Section Township Range County 14 Consolidation Code 2 Dedicated Acres Joint or Infill 16 Order No. E/305.89

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



Submit 3 Copies To Appropriate District	State of Nev	v Mexico		Form C-103	
Office District I	Energy, Minerals and	Natural Resources		May 27, 2004	
1625 N. French Dr., Hobbs, NM 88240			WELL API NO.		
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT	ION DIVISION	5. Indicate Type of I	30-045-	
District III	1220 South St.		STATE	FEE	
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NI		6. State Oil & Gas L	ease No.	
District IV	•	N	MSF043260C		
1220 S. St. Francis Dr., Santa Fe, NM 873	005 CES AND REPORTS ON WELI	S	7. Lease Name or Ur	nit Agreement Name	
(DO NOT USE THIS FORM FOR PROPOSAL:		7. Lease Name of Ome Agreement Name			
DIFFERENT RESERVOIR. USE "APPLICAT.	ION FOR PERMIT" (FORM C-101) FOR	SUCH	ļ	Fogelson 4	
PROPOSALS.) 1. Type of Well:			8. Well Number		
Oil Well Gas Well X	Other			1E	
2. Name of Operator			9. OGRID Number		
BURLINGTON RES 3. Address of Operator	OURCES OIL & GAS COMPAN	NY LP	14538 10. Pool name or Wildcat		
	REET, FARMINGTON, NM 874	102	1	Basin Dakota	
4. Well Location					
Unit Letter A : Section 4	975 feet from the No.	orth line and Range 11W	1085 feet from NMPM	the <u>East</u> line County San Juan	
	Elevation (Show whether DR, R	22001.	IAIMI IM	County Sail Juail	
		' GR			
i ·	X or Closure			. {	
Pit type New Drill Depth to Ground				om nearest surface water >200'	
Pit Liner Thickness: 12	míl Below-Grade Tank:	Volume	bbls; Construction		
	Appropriate Box to Indica	ate Nature of Not			
_	NTENTION TO:		SUBSEQUENT		
PERFORM REMEDIAL WORK TEMPORARILY ABANDON	PLUG AND ABANDON CHANGE PLANS	REMEDIAL	L WORK CE DRILLING OPNS.	P AND A	
PULL OR ALTER CASING	MULTIPLE COMPL	⊢	EMENT JOB		
OTHER: New	Drill Pit	X OTHER:			
13. Describe proposed or comple			ve pertinent dates incl	uding estimated date	
	c). SEE RULE 1103. For Multip				
or recompletion.			•		
Burlington Resources proposes to					
Ecosphere's risk ranking criteria, the					
Operation Procedures dated Noven					
and that portion will be lined as per Workover Pit Closure Procedure da			ates closing these pits a	according to the Drilling /	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	tion in the second second	TWISOD SINCE.			
I hereby certify that the information al	ove is true and complete to the b	est of my knowledge a	nd helief I further corti	by that any nit on below	
grade tank has been/will be constructed or cle	osed according to NMOCD guidelines		or an (attached) alternati		
signature Jammu	Tonos TI	TLE Reg	ulatory Specialist	DATE12/1/2004	
Type or print name Tan	umy Jones E-mail ac	Idress: tiones?	br-inc.com Teleph	none No. 505-326-9700	
For State Use Only		unicos. <u>nonesaco</u>	teleph	MAD 0 0 0000	
1.		DEPUTY ON	R GAS IMEDITATION	1101 65 ZUUS	
APPPROVED BY (if any):	TI TI	TLE	& GAS INSPECTOR,	UISI. ADATE	
77 / -3/.	<i>V</i>				



OPERATIONS PLAN

Well Name:

Fogelson 4 #1E

Surface Location:

975'FNL, 1085'FEL, Section 4, T-29-N, R-11-W

San Juan County, New Mexico

Latitude 36° 45.5203'N, Longitude 107° 59.4674'W

Formation:

Basin Dakota

Elevation: 5884'GR

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	831′	aquifer
Ojo Alamo	831′	958′	aquifer
Kirtland	958′	1953′	gas
Fruitland	1953′	2148′	gas
Pictured Cliffs	2148′	2231′	gas
Lewis	2231′	2776′	gas
Huerfanito Bentonite	2776′	3163′	gas
Chacra	3163′	3776′	gas
Massive Cliff House	3776′	3876 <i>'</i>	gas
Menefee	3876′	4496′	gas
Intermediate TD	4026'		
Point Lookout	4496′	4848′	gas
Mancos	4848′	5728′	gas
Gallup	5728′	6482′	gas
Greenhorn	6482′	6534′	gas
Graneros	6534′	6595′	gas
Dakota	6595 <i>'</i>	6766′	gas
Encinal Canyon	6766′	6838′	gas
Burro Canyon	6838′	6990′	gas
Morrison	6990′		
Total Depth	7030′		

Logging Program:

Cased hole logging - Gamma Ray, Cement bond from surface to TD

Open hole logging - none

Mud Logs - From 6282' to topset TD @ 6818' and from topset TD to final TD in Morrison.

Coring/DST - none

Mud Program:

Interval- MD	Type .	· Weight	Vis.	Fluid Loss
0- 120200	Type Spud W Win	8.4-9.0	40-50	no control
120- 4026'		8.4-9.0		no control
4026- 7030	Air/Mist	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

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

Hole Size	Dept	n Interval	Csg Size	Weight	Grade
12 1/4"	0' -	120,000	9 5/8"	32.3#	H-40
8 3/4"	0'-	4026'	7"	20.0/23.0#	J-55/N-80
6 1/4"	0'-	6818'	4 1/2"	10.5#	J-55
3 7/8" 6	818' -	7030'	Open Hole	n/a	n/a
Tubing Program:	0'-	7030′	2 3/8"	4.7#	J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

BOP Specifications, Wellhead and Tests (cont'd):

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 4 1/2" x 2 3/8" x 2000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing -

Pre-Set Drilled Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (38 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled

Cement with 88 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (113 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead w/365 sx Premium Lite with 3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail with 90 sx Type III cmt w/1% calcium chloride, 0.25 pps celloflake, 0.2% fluid loss (902 cu.ft. of slurry, 50% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or temp survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar set 300' above the top of the Fruitland. First stage: Lead with 193 sacks Premium Lite cmt w/3% calcium chloride, 0.25 pps Celloflake, 0.4% fluid loss, 5 pps LCM-1, 0.4% sodium metasilicate. Tail with 90 sacks with Type III cement with 1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: cement with 172 sacks with Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (902 cu. ft. 50% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every fourth joint off bottom, to the base of the Ojo Alamo at 958'. Two turbolating centralizers at the base of the Ojo Alamo at 958'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing Pump 194 sxs Premium Lite HS FM w/0.25 pps celloflake, 0.3% CD-32,
6.25 pps LCM-1, 1% fluid loss, 6% gel, 7 pps CSE (384 cu.ft., 30% excess to achieve 100' overlap in 4-1/2" x 7" annulus). WOC a minimum

of 18 hrs prior to completing.

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

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint.

• If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Dakota formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 150 psi Pictured Cliffs 260 psi Mesa Verde 375 psi Dakota 1000 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The east half of Section 4 is dedicated to the Dakota in this well.
- This gas is dedicated.

Drilling Engineer

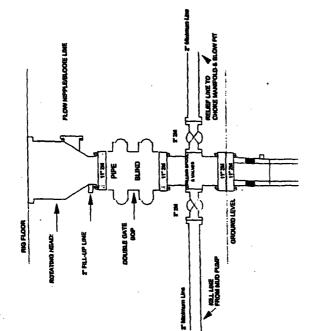
December 14, 2004

BURLINGTON RESOURCES

Drilling Rig Choke Manifold Configuration 2000 psi System

Burlington Resources

2000 psi System **Drilling Rig**



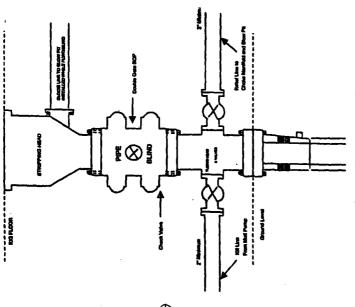
10 F ADMISTABLE OR POSITIVE 7.....

Choice manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

4-20-01

Figure #1



pressure doubte gate BOP to be equipped with bilnd and pipe rams. A stripping head to be installed on the top of Majmum BOP installation for all Completion/Workover Operations. 7-1/16" bore, 2000 psi minimum working pressure or greater excluding 500 psi stripping head. the BOP. All BOP equipment is 2000 pai working

Figure #2

4-20-01