UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	Type of Work	2006 F 5 Lease Number 20
	DRILL	
		Hoit Beporting Number RECEIVED NMNM-078
b.	Type of Well	0706F Affindian All pritribe of m N m -
	GAS	
	Operator District Children	7. Unit Agreement Name
	BURLINGTON RESCURCES Oil & Gas Company	San Juan 29-7 Unit
	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	San Juan 29-7 Unit
		9. Well Number
	(505) 326-9700	#100M
	Location of Well	10. Field, Pool, Wildcat
	560' FSL, 780' FWL, Sec 6 surface	Blanco Mesaverde/Basin Dako
	475' FNL, 1675' FWL, Sec 7 bottom hole	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 44.9533'N, Longitude 107° 36.	API # 30-039- 29773
4.	Distance in Miles from Nearest Town	12. County 13. State
	13.7 miles to Intersection Blanco Post Off	Eice Rio Arriba NM
5.	Distance from Proposed Location to Nearest Property or Lea	ase Line
	475′	
š.	475' Acres in Lease	17. Acres Assigned to Well
•		W/2 327.78 Sec. 6 & 7 DK~
i.		17. Acres Assigned to Well W/2 327.78 Sec. 6 & 7 DK~ W/2 226.72 Sec. 7 MV
		W/2 327.78 Sec. 6 & 7 DK- W/2 226.72 Sec. 7 MV
3.	Acres in Lease Distance from Proposed Location to Nearest Well, Drig, Cor	W/2 327.78 Sec. 6 & 7 DK~ W/2 226.72 Sec. 7 MV
3.	Distance from Proposed Location to Nearest Well, Drig, Cor 271'	W/2 327.78 Sec. 6 & 7 DK- W/2 226.72 Sec. 7 MV
8. 9.	Distance from Proposed Location to Nearest Well, Drig, Cor 271' Proposed Depth 7814'TMD 7557' TVD	W/2 327.78 Sec. 6 & 7 DK-W/2 226.72 Sec. 7 MV mpl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary
8. 9.	Distance from Proposed Location to Nearest Well, Drig, Cor 271' Proposed Depth 7814'TMD 7557' TVD Elevations (DF, FT, GR, Etc.) 6310' GR	W/2 327.78 Sec. 6 & 7 DK-W/2 226.72 Sec. 7 MV mpl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
8. 9. 1.	Distance from Proposed Location to Nearest Well, Drlg, Cor 271' Proposed Depth 7814'TMD 7557' TVD Elevations (DF, FT, GR, Etc.) 6310' GR Proposed Casing and Cementing Program	W/2 327.78 Sec. 6 & 7 DK-W/2 226.72 Sec. 7 MV mpl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
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8. 9. 11.	Distance from Proposed Location to Nearest Well, Drlg, Cor 271' Proposed Depth 7814'TMD 7557' TVD Elevations (DF, FT, GR, Etc.) 6310' GR Proposed Casing and Cementing Program See Operations Plan attached DIST. Authorized by: Regulatory Specialist	W/2 327.78 Sec. 6 & 7 DK-W/2 226.72 Sec. 7 MV mpl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
8. 9. 1. 3.	Distance from Proposed Location to Nearest Well, Drlg, Cor 271' Proposed Depth 7814'TMD 7557' TVD Elevations (DF, FT, GR, Etc.) 6310' GR Proposed Casing and Cementing Program See Operations Plan attached DIST. Authorized by: Regulatory Specialist	W/2 327.78 Sec. 6 & 7 DK-W/2 226.72 Sec. 7 MV mpl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
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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

This action is subject to trehnical and procedural review pure cant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3185.4

United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

This action is subject to tychnical and procedural review pure ant to 43 OFR 3165.3

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This action is subject to 43 OFR 3165.3

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 611 South First, Artesia, N.M. 88210

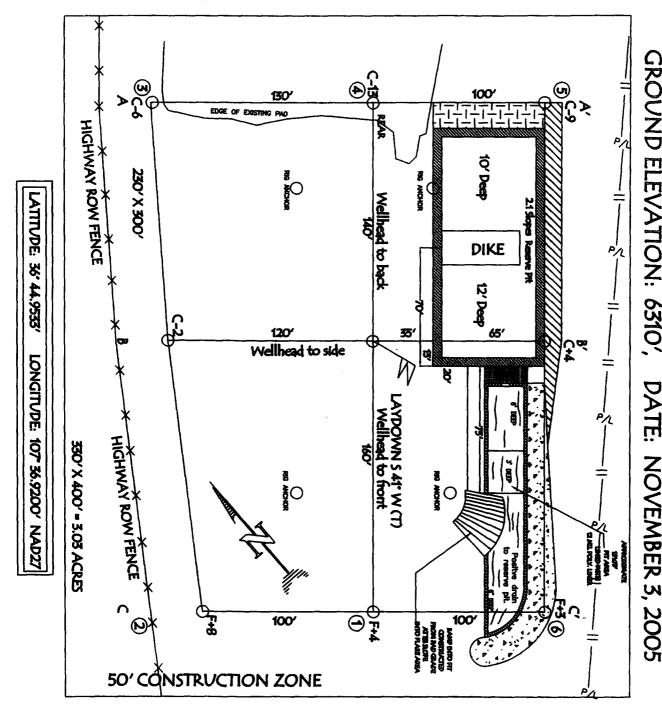
DJCT III

OIL CONSERVATION DIVISION

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

District III 1 No Brazos Rd.	, Aztec,	N.M. 87410		OID C	2040 Sou	uth P				Fee Le	ase - 3 Copies
DISTRICT IV 2040 South Pacheco	Sente	Fe. NM 8750	15		Santa Fe	e, NM		16 FEB 7	PM 2E	⊒2 ame i	NDED REPORT
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			¹¹ Botte	om Hole	Location	on If	Different Fro	om Surface			
	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/We		County
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Office District I	State of New Mexico	Form C-103
	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240		WELL API NO. 30-039- 29773
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 8750:	5	SF-078943
SUNDRY NOTICE	S AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DIFFERENT RESERVOIR. USE "APPLICATION"	O DRILL OR TO DEEPEN OR PLUG BACK TO A SEOR PERMIT* (FORM C-101) FOR SLICH	San Juan 29-7 Unit
PROPOSALS.)	TORTERIAL (TORIS C-101) TOR SOCIE	San Juan 29-7 Omit
1. Type of Well:		8. Well Number
Oil Well Gas Well X 2. Name of Operator	Other	#100M
	JRCES OIL & GAS COMPANY LP	14538
3. Address of Operator		10. Pool name or Wildcat
4. Well Location	EET, FARMINGTON, NM 87402	Basin DK / Blanco MV
	60 feet from the <u>South</u> line and	780 feet from the West line
Section 6	Township 29N Rng 7W Clevation (Show whether DR, RKB, RT, GR, etc.)	NMPM County Rio Arriba
	6910' GL	
Pit or Below-grade Tank Application	or Closure	
Pit type New Drill Depth to Groundwa	ter >100' Distance from nearest fresh water well	>1000' Distance from nearest surface water >1000'
Pit Liner Thickness: n/a	mil Below-Grade Tank: Volume	bbls; Construction Material
PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING	PLUG AND ABANDON REMEDIA CHANGE PLANS COMMEN	SUBSEQUENT REPORT OF: AL WORK ICE DRILLING OPNS. CEMENT JOB ALTERING CASING P AND A
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13 Describe proposed or completed	operations (Clearly state all pertinent details and	give pertinent dates, including estimated date
	d operations. (Clearly state all pertinent details, and SEE RULE 1103. For Multiple Completions: Atta	
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of starting any proposed work). or recompletion. New Drill, Unlined: Burlington Resources proposes to con	SEE RULE 1103. For Multiple Completions: Atta	ch wellbore diagram of proposed completion pit. Based on Burlington's interpretation of the
of starting any proposed work). or recompletion. New Drill, Unlined: Burlington Resources proposes to cor Ecosphere's risk ranking criteria, the	SEE RULE 1103. For Multiple Completions: Atta	pit. Based on Burlington's interpretation of the pit as detailed in Burlington's Revised Drilling /
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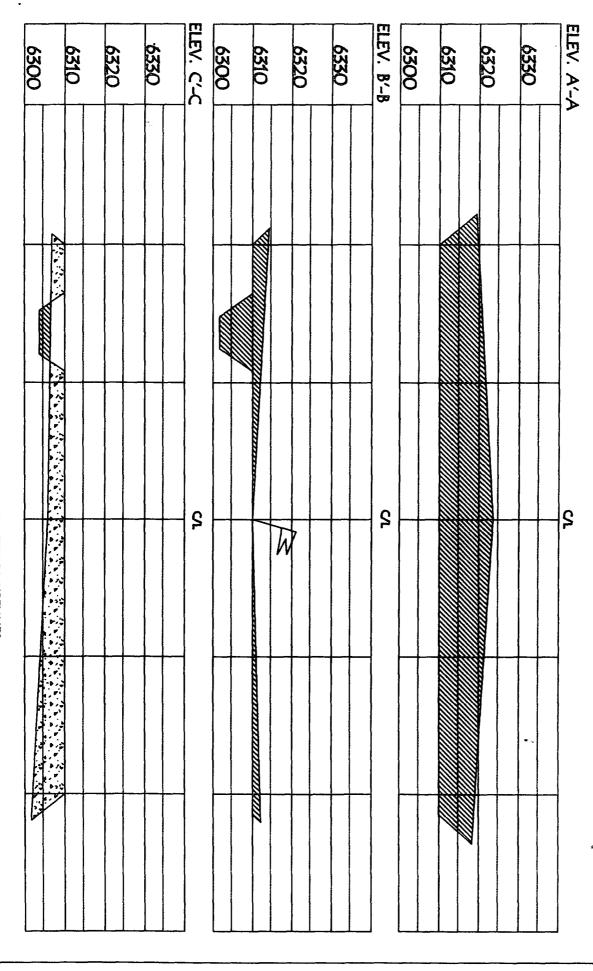


NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

SAN JUAN 29-7 UNIT #100M, 560' FSL & 780' FWL SECTION 6, T-29- N, R-7-W, NMPM, RIO ARRIBA COUNTY, NM **BURLINGTON RESOURCES OIL** GROUND ELEVATION: 6310', DATE: NOVEMBER 3, 2005 . & GAS COMPANY LP



CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SAN JUAN 29-7 UNIT #100M OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #100M

Location Rio Arriba County, New Mexico

Surface: 560' FSL, 780' FWL, Section 6, T-29-N, R-7-W

Latitude 36° 44.9322'N, Longitude 107° 36.9198'W

Bottom Hole: 475' FNL, 1675' FWL, Section 7, T-29-N, R-7-W

Latitude 36° 44.7829'N, Longitude 107° 36.7387'W

Formation

Blanco Mesa Verde/Basin Dakota

Elevation 6310'GL

Formation Tops	Top (TVD)	Top (TMD)	<u>Contents</u>
Surface	San Jose		
Ojo Alamo	2124'	2236'	aquifer
Kirtland	2237'	2359'	gas
Fruitland	2679'	2838'	gas
Pictured Cliffs	3075'	3267'	gas
Lewis	3251'	3457'	gas
Huerfanito Bentonite	3843'	4095'	gas
Chacra	4087'	4344'	gas
Intermediate set point	: 150' into Chacra		-
Massive Cliff House	4822'	5079'	gas
Menefee	4889'	5146'	gas
Massive Point Lookout	5269'	5526'	gas
Mancos	5665'	5922'	gas
Gallup	6312'	6569'	gas
Greenhorn	7266'	7523'	gas
Graneros	7319'	7576'	gas
Two Wells	7376'	7633'	gas
Upper Cubero	7471'	7728'	gas
Lower Cubero	7499'	7756'	gas
Encinal	7557'	7814'	•
TD	7557'	7814'	

Logging Program

Cased Hole - CBL-GR- TD to surface

Open Hole - None

Mud Program

Interval (TMD)	<u>Type</u>	Weight	<u>Vis.</u>	Fluid Loss
0- 350'	Spud	8.4-9.0	40-50	no control
350- 4494'	Non-dispersed	8.4-9.0	30-60	less than 8
4494'- 7814'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

Drilling (Reference Plot #1)

Surface Hole

Drill to surface casing point of 350' and set 9 5/8" casing.

Intermediate Hole

Mud drill to kick off point of 400'. At this point the well will be directionally drilled by building 4.0 degrees per 100' with an azimuth of 139.31 degrees. The end of the build will be at a TVD of 951', a TMD of 966', a reach of 110', and an angle of 22.63 degrees. This angle and azimuth will be held to a TVD of 3686', a TMD of 3929', and a reach of 1250'. At this point the well will be drilled with a drop of 4.0 degrees per 100'. The end of the drop will be at a TVD of 4237', a TMD of 4494', a reach of 1361', and an angle of 0.0 degrees. 7" casing will be set at this point.

Production Hole

From the shoe of the intermediate string, the well will be drilled vertically with an air hammer to a TMD of 7814' (TVD of 7557'). 4 ½" casing will be set at this point.

Materials

Casing program

Hole Size	Interval (TMD)	Csg. Size	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 350'	9 5/8"	32.3#	H-40
8 3/4"	350' - 4494'	7"	23#	L-80
6 1/4"	4494' - 7814'	4 1/2"	11.6#	L-80

Tubing Program

Hole Size	Interval (TMD)	<u>Csg. Size</u>	<u>Weight</u>	<u>Grade</u>
2 3/8"`	0' - 7814'	2 3/8"	4.7#	J-55

Wellhead Equipment

9 5/8" x 7" X 4 1/2" x 2 3/8" - 11" (2000 psi) wellhead assembly

Cementing:

9 5/8" surface casing conventionally drilled: 200% excess cement to bring cement to surface
Run 329 ft³ (257 sks) Type III cement with 3% CaCl₂ and 1/4 pps celloflake (1.28 sks/ ft³). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60° 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.

7" production casing: 50% excess cement to bring cement to surface Lead with 889 ft³ (417 sks) Premium Lite w/ 3% CaCl₂, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS (2.13 sks/ft³). Tail with 124 ft³ (90 sks) Type III cmt. w/ 1% CaCl₂, 0.25 pps Cello-Flake and 0.2% FL-52 (1.38 sks/ft³). If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC.

4 ½" production casing: 30% excess cement to achieve 100' overlap with intermediate casing
Run 455 ft³ (230 sks) Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 (1.98 sks/ft³).

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

BOP and Tests:

Surface to production TD – 11", 2000 psi double gate BOP stack (Reference Figure #1).

Prior to drilling out surface casing, test rams and casing to 600 psi for 30 minutes.

Surface to Total Depth - choke manifold (Reference Figure #2).

Pipe rams will be actuated at least once each day and blind rams will be actuated once each trip to test proper functioning. A Kelly cock valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

BOPE tests will be performed using an appropriately sized test plug and test pump and will be recorded using calibrated test gauges and a properly calibrated strip or chart recorder. The test will be recorded in the driller's log and will include a low pressure test requirement of 250 psig held for five minutes and a high pressure test requirement held for ten minutes as described in Onshore Order No. 2 or otherwise noted in the APD. A successful BOPE test using a test plug is considered when no pressure drop occurs over the duration of the test. Test gauges and recorders must be of the proper range and resolution commensurate with the authorized test pressure. Where the intermediate casing strings are used, only one BOPE test will be necessary contingent upon the test being conducted to the highest approved test pressure to which BOPE will be exposed. Casing pressure tests must be held for 30 minutes with no more than 10 percent pressure drop during the duration of the test.

Additional Information:

- This gas is dedicated.
- The East half of section 7 is dedicated to the Mesaverde and Dakota of this well.
- New casing will be utilized.
- Pipe movement (reciprocation) will be done if hole conditions permit.
- · No abnormal pressure zones are expected.
- BHP is expected to be 2000 psi.

Drilling Engineer

Data

Completion/Workover Rig BOP Configuration 2,000 pai System

Burlington Resources

2000 psi System Drilling Rig

ROTATION NESSE

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Chains anamibit installation from Surface Casing Point to Total Depth. 2,000pal working pressure

Figure #3

prinent with two chokes.

he BOP. All BOP equipment is 2000 pel working perame. A stripping head to be installed on the top of

ure or greater excluding 600 pal stripping head.

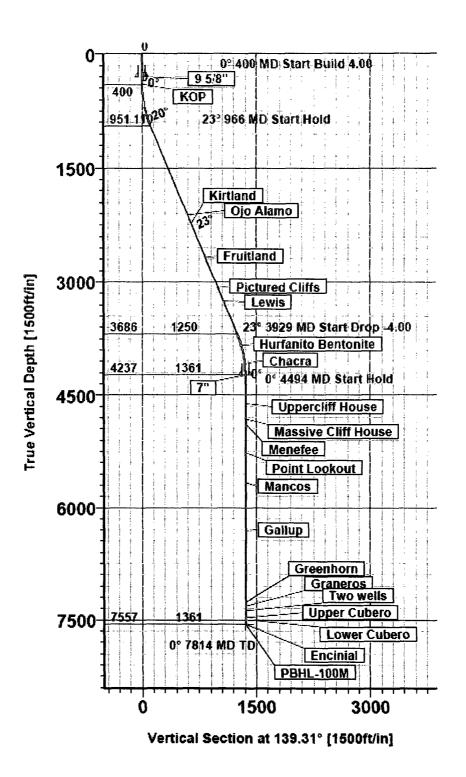
srations. 7-1/16" bors, 2000 pel minimum working mum BCP installation for all Completion/Workover

ture double gate BOP to be equipped with blind and

4-20-01

Figure #1

4-20-01



Plot 1: Directional plan for SJ 29-7 100M



Field: Rio Arriba, NM

Site: SEC 21-T29N-R7W Well: SAN JUAN 29-7 #100M

Wellpath: OH Plan: Plan #1

BURLINGTON RESOURCES

SECTION DETAILS											
	Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	2	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	
	3	965.83	22.63	139.31	951.23	-83.65	71.92	4.00	0.00	110.31	
	4	3928.54	22.63	139.31	3685.77	-948.17	815.24	0.00	0.00	1250.46	
	5	4494.37	0.00	0.00	4237.00	-1031.82	887.16	4.00	180.00	1360.77	
	6	7814.37	0.00	0.00	7557.00	-1031.82	887.16	0.00	0.00	1360.77	PBHL-100M

WELL DETAILS

Name +N/-S +E/-W Northing Easting Latitude Longitude Slot SAN JUAN 29-7 #100M 12370.29 -5245.21 2092045.290 563868.790 36°44'57.192N 107°36'55.188W N/A

TARGET DETAILS

Name TVD +N/-S +E/-W Northing Easting Shape
CASING PT-100M 4237.00 -1031.82 887.16 2091013.470 564755.950 Point

PBHL-100M 7557.00 -1031.82 887.16 2091013.470 564755.950 Circle (Radius: 100)

