UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	Type of Work	5. Lease Number		
	DRILL	NM-020495		
		Unit Reporting Number		
b.	Type of Well	6. If Indian, All. or Tribe		
	GAS			
	Operator	7. Unit Agreement Name		
	BURLINGTON	$-\lambda$		
	RESOURCES Oil & Gas Company			
	Address & Phone No. of Operator	8. Farm or Lease Name		
•	PO Box 4289, Farmington, NM 87499	Angel Peak		
	FO BOX 4289, Parmington, M. O. 199	9. Well Number		
	(505) 326-9700	501		
	(303) 320-9700			
1 .	Location of Well	10. Field, Pool, Wildcat		
	1310'FSL, 1780'FWL	Basin Fruitland Coal		
		11. Şec., Twn, Rge, Mer. (NMPM)		
	Latitude 36 ^o 36.0'N, Longitude 107 ^o 58.5'W	N Sec.2, T-27-N, R-11-V		
		API# 30-045- 308 (5		
14	Distance in Miles from Nearest Town	12. County 13. State		
14.				
	11 miles from Disomfield	San Juan NM		
	11 miles from Bloomfield	San Juan NM		
15.	11 miles from Bloomfield Distance from Proposed Location to Nearest Property or Leas 1310'			
15.	Distance from Proposed Location to Nearest Property or Leas			
15.	Distance from Proposed Location to Nearest Property or Leas	se Line		
15. 16.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease	17. Acres Assigned to Well 320 S/2		
15. 16.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp	17. Acres Assigned to Well 320 S/2		
15. 16. 18.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp	17. Acres Assigned to Well 320 S/2 ol, or Applied for on this Lease		
15. 16. 18.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp 600' Proposed Depth Proposed Location to Nearest Well, Drlg, Comp	17. Acres Assigned to Well 320 S/2 ol, or Applied for on this Lease		
15. 16. 18.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp	17. Acres Assigned to Well 320 S/2 ol, or Applied for on this Lease 33550 Rotary or Cable Tools		
15. 16. 18. 19.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp 600' Proposed Depth Proposed Location to Nearest Well, Drlg, Comp	17. Acres Assigned to Well 320 S/2 ol, or Applied for on this Lease 33550 Rotary or Cable Tools		
15. 16. 18. 19.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp 600' Proposed Depth 2103' And Applied Pullament to 43 CFR 3165	17. Acres Assigned to Well 320 S/2 ol, or Applied for on this Lease Rotary or Cable Tools Rotary		
15. 16. 18. 19.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp 600' Proposed Depth 2103' India appending to view pursuant to 43 CFR 3165 Elevations (DF, FT, GR, Etc.) 6022' GR	17. Acres Assigned to Well 320 S/2 ol, or Applied for on this Lease Rotary or Cable Tools Rotary		
15. 16. 18. 19.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp 600' Proposed Depth 2103' Proposed Depth 2103' Proposed Casing and Cementing Program	17. Acres Assigned to Well 320 S/2 ol, or Applied for on this Lease Rotary or Cable Tools Rotary 22. Approx. Date Work will Start		
15. 16. 18. 19.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp 600' Proposed Depth 2103' India appending to view pursuant to 43 CFR 3165 Elevations (DF, FT, GR, Etc.) 6022' GR	17. Acres Assigned to Well 320 S/2 DI, or Applied for on this Lease Rotary or Cable Tools Rotary 22. Approx. Date Work will Start		
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115. 116. 118. 119. 221.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp 600' Proposed Depth 2103' Proposed Depth 2103' Proposed Casing and Cementing Program See Operations Plan attached	17. Acres Assigned to Well 320 S/2 DI, or Applied for on this Lease 20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start		
115. 116. 118. 119.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp 600' Proposed Depth 2103' Proposed Depth 2103' Proposed Casing and Cementing Program See Operations Plan attached Authorized by:	17. Acres Assigned to Well 320 S/2 DI, or Applied for on this Lease Rotary or Cable Tools Rotary 22. Approx. Date Work will Start		
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15. 16. 18. 19. 21.	Distance from Proposed Location to Nearest Property or Leas 1310' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comp 600' Proposed Depth 2103' Proposed Depth 2103' Proposed Casing and Cementing Program See Operations Plan attached Authorized by:	17. Acres Assigned to Well 320 S/2 DI, or Applied for on this Lease Rotary or Cable Tools Rotary 22. Approx. Date Work will Start 24. 7-61 Date L DATE		

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted 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.

NMOCD

District I PO Box 1980, Hobbs, NM 88241-1980

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

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV

State of New Mexico

Form C-102 State of New Mexico

Energy, Minerals & Natural Resources_Department

Submit to Appropriate District Office

State Lease - 4 Copies

PO Box 2088 and Alio 20 511 2: 20 Fee Lease - 3 Copies

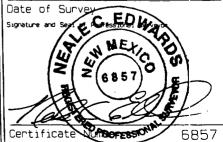
OIL CONSERVATION DIVISION

| AMENDED REPORT

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			WELL	LOCATIO	OA AND AC	CREAGE DEDI	CAT	ION PL	ТА		
'API Number Pool				*Pool Code		³Pool Name					
30-045	- 30	815	7162	29		Basin Fruitla	n <u>d C</u>	oal			
¹Property Code			_		*Property				*Well Number		
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'OGRID N	0.	RI	IDI TNI	STON RE	*Operator	Name DIL & GAS ('UMP			levation	
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UL on lot no.			Range			North/South line		from the	East/West line		County
,											
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320 S/2											
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2640.00 USA NM-020495 00 LAT: 36 36.0 N LONG: 107 58.5 W 2640. 865 1780' 1310 5300.461

JULY 14, 2001



BURLINGTON RESOURCES OIL & GAS COMPANY ANGEL PEAK #501 1310' FSL & 1780' FWL, SECTION 2, T27N, RIIW, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO APD MAP #I 150' NEW BLM CONSTRUCTION SE/SW SECTION 2, T27N, RIIW BEWOUNDERSE **NEW BLM** R.O.W. **EXISTING** R.O.W. Well 9/ 6256 (44) .Gas, Wells 6318 X <u>0</u>116

OPERATIONS PLAN

Well Name: Angel Peak #501

Location: 1310'FSL, 1780'FWL Section 2, T-27-N, R-11-W

Latitude 36° 36.0'N, Longitude 107° 58.5'W

San Juan County, NM

Formation: Basin Fruitland Coal

Elevation: 6022'GR

Formation:	Top	Bottom	Contents
Surface Ojo Alamo Kirtland Fruitland Pictured Cliffs	San Jose 773' 853' 1573' 1857' 2103'	773' 853' 1573' 1857'	aquifer gas gas gas
Total Depth	2103		

Logging Program: Platform Express from TD to surface.

Mudlog: 2 Man unit from Kirtland to TD.

Coring Program: none

Mud Program:

Interval	Туре	Weight	Vis.	Fluid Loss
0- 120'	Spud		40-50	no control
120-2103'	Non-dispersed	8.4-9.5	30-60	no control

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

Hole Size	Depth Interval	Csg.Size	<u>Wt.</u>	Grade
9 7/8"	0' - 120'	7 "	20.0#	J-55
6 1/4"	0' - 2103'	4 1/2"	10.5#	J-55

Float Equipment: 7" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 853'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 853'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 4 1/2" 2000 psi screw on independent wellhead.

Cementing:

7" surface casing - cement with 27 sx Class A, B Portland Type I, II cement (32 cu.ft. of slurry, bring cement to surface through %" line). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

- 4 1/2" production casing Lead w/144 sx Premium Lite cement w/3% calcium chloride, 1/4 pps flocele, 5 pps LCM-1, 0.4% FL-52, and 0.4% SMS. Tail w/90 sx Type III cement w/1% calcium chloride, 1/4 pps flocele, and 0.2% FL-52 (431 cu.ft. of slurry, 100% excess to circulate to surface.)
- 4 1/2" production casing alternative two stage: Stage collar at 1473'. First stage: cement with 93 sx Type III cmt w/1% calcium chloride, 0.25 pps flocele, 0.2% FL-52. Second stage: 142 sx Premium Lite w/3% calcium chloride, 0.25 pps flocele, 5 pps LCM-1, 0.4% FL-52, and 0.4% SMS (431 cu.ft. of slurry, 100% excess to circulate to surface.)

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

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 7 1/16" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated to 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.

BOP and tests (If a coiled tubing drilling (CTD) rig is utilized.):

Surface to TD: 7-1/16" 2000 psi (minimum) Torus annular BOP stack (Reference Figure #1b). Prior to drilling out surface casing, test annular BOP to 600psi/30 min.

Completion: 7-1/16" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test blind rams and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each. Same as in original APD operations plan.

From surface to TD: choke manifold (Reference Figure #3). Same as in original APD operations plan.

The annular BOP will be actuated to close on drill pipe (coiled tubing) at least once each day and to close on open hole once each trip to test proper functioning.

Additional information:

- The Fruitland Coal formation will be completed.
- Anticipated pore pressure for the Fruitland Coal is 500 psi.
- This gas is dedicated.
- The south half of Section 2 is dedicated to the Fruitland Coal.

<u>8/7/0/</u>