UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT TO DRILL	DEEPEN, OR PLUG BACK	" <u>~</u> / 6
a.	Type of Work	5. Lease Number 670	
	DRILL	5F-000000 - 77,	
	1 mina	Unit Reporting Number	777
	ى لاد	1 4 1993 Hodan, All. or Tribe	
b.	Type of Well	1 4 1999 Indian, All. or Tribe	
D.	GAS ONE		
	GAS ODERSTOR	COM TOUR	
2.	Operator	Agreement Name	
		- -	
	RESOURCES Oil & Gas Company	San Juan 27-4 Uni	t 1/2
I.	Address & Phone No. of Operator	8: Farm or Lease Name	. 17
) <u>.</u>	PO Box 4289, Farmington, NM 87499	San Juan 27-4 Uni	+
	FO BOX 4209, Parmington, NH 07499	9. Well Number	C
	(505) 326-9700	139A	
	(000) 020 0.00		
١.	Location of Well	10. Field, Pool, Wildcat	٠.٠.
	610'FNL, 1560'FEL	723/9Blanco MV/Basin Dk 7/5 11. Sec Twn, Rge, Mer. (NMPM)	599
) ' '
	Latitude 36° 35′ 35″, Longitude 107° 15′		M
		AP(# 30-039-	
4.	Distance in Miles from Nearest Town	12. County 13. Star	te
₹.	60 miles to Bloomfield	RA NM	
5.	Distance from Proposed Location to Nearest Property of	Lease Line	
16.	Acres in Lease	17. Acres Assigned to Well	
		E/320 E/350	
		0/ 6/120	
8.	Distance from Proposed Location to Nearest Well, Drlg,	Compl, or Applied for on this Lease	
	4000' This action is subject to technical and	OO Determ on Ookle Teele	
19.	· P. YYYYY II (NYMW DIIPSIASA AS AS ASS.	20. Rotary or Cable Tools	
	and appeal pursuant to 43 CFR 3165.4.	3.3, Rotary	
1.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Star	rt
	7154'GR	DRILLING OPERATIONS AUTHORIZED A	
		SUBJECT TO COMPLIANCE WITH ATTA	CHE!
23.	Proposed Casing and Cementing Program	"GENERAL REQUIREMENTS"	
	See Operations Plan attached		
	$////\sqrt{1}$	_	
24	Authorized by: Say Stak hurd	5-30.98	
24.	Regulatory/Compliance Admini	strator Date	
	Regulatory/compilance Admini	Date Date	
		OVAL DATE OF 10 TO	
'ERN		OVAL DATE SP 10 10 10 10 10 10 10 10 10 10 10 10 10	
PPE	OVED BY /S/ Duane W. Spencer TITLE	DATECED ! a	١
	ROVED BY /S/ Duane W. Spencer TITLE		FP 1 0

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.

NSL-1410-A @

PO Box 1980, Hobbs NM 88241-1980

PO Drawer KK, Artesia, NM 87211-0719

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

District IV PO Box 2088, Santa Pe, NM 87504-2088

UL or Lot No. Section Township

State of New Mexico Energy, Minerals & Natural Resources Departme

PO Box 2088

OIL CONSERVATION DIVISION

Form C-102 Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

Santa Fe, NM 87504-2088 98 JUL 14 AM 9: 33

■ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		¹ Pool Code	³ Pool Name	
30-039- 25%	368 7	72319/71599	Blanco Mesaverde/Basin Dak	ota
Property Code			Property Name	• Well Number
7452	SAN	SAN JUAN 27-4 UNIT		
1 OGRID No.			Operator Name	⁹ Elevation
14538	BUR	LINGTON RESOL	IRCES OIL & GAS COMPANY	7154

Surface Location

North/South Line

В	9	27 N	4 W		610	NORTH	1560	EAST	RIO ARRIBA	
"Bottom Hole Location If Different From Surface										
7 UL or lot no.	Section	Township	Range	Lot ide	Feet from the	North/South Hos	Post from the	East/West line	County	

MV-E/320 15 Oeder No. DK-E/320

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION "OPERATOR CERTIFICATION bereby certify that the information contained herein is true and complete to the best of my knowledge and belief. 1560' all con. div. Regulatory Administrato णाजा, श "SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was piolled 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. NMSF + 080668 **'016** OFESSIONAL 7016 Certificate Number

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #139A

Location: 610'FNL, 1560'FEL Sec 9, T-27-N, R-4-W

Rio Arriba County, NM

Latitude 36° 35' 35", Longitude 107° 15' 10"

Formation: Blanco Mesa Verde/Basin Dakota

Elevation: 7154'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	3444'	
Ojo Alamo	3444'	3616 ′	aquifer
Kirtland	3616 ′	3655 ′	-
Fruitland •	3655'	3995 '	gas
Pictured Cliffs	3995'	4136'	gas
Lewis	4136'	4568'	gas
Intermediate TD	4236'		_
Huerfanito Bentonite	4568 ′	5005 ′	qas
Chacra	5005 ′	5792 '	-
Massive Cliff House	5792'	5876 '	gas
Menefee	5876 '	6189 '	gas
Massive Point Lookout	6189 '	6743'	gas
Mancos Shale	6743 ′	7363 ′	-
Gallup	7363 ′	8141 ′	gas
Greenhorn	8141'	8206 '	gas
Dakota	8206 ′		gas
TD (4 1/2"liner)	8481'		-

Logging Program:

Cased hole - CBL - TD to 200' above TOC, GR/CNL across MV/Dk

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud		40-50	no control
200-4236'	LSND	8.4-9.0	30-60	no control
4236-8481'	Gas	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):

77 1 2 0 1		'		<u>.</u> .
<u> Hole Size</u>	<u>Depth Interval</u>	Csg.Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 4236'	7"	20.0#	J-55
6 1/4"	4136' - 8481'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8481' 2 3/8" 4.70# EUE

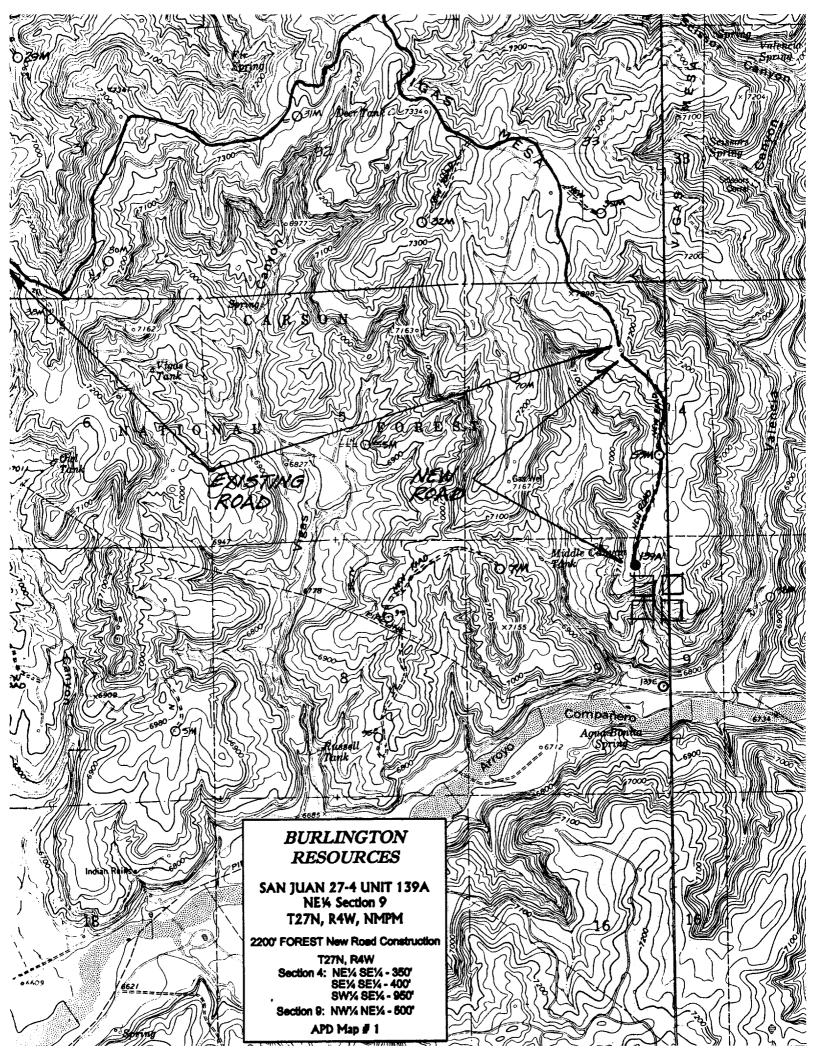
BOP Specifications, Wellhead and Tests:

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.

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.





NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

July 15, 1998

DECEIVED N JUL 2 1 1998 # 139A 9-27-4

(D)

oul con. div.

Administrative Order NSL-1410-A

Dear Ms. Bradfield:

P. O. Box 4289

Burlington Resources Oil & Gas Company

Farmington, New Mexico 87499-4289

Attention: Peggy Bradfield

Reference is made to your application submitted to the New Mexico Oil Conservation Division ("Division") on July 1, 1998 for an exception to the well location requirements provided within the "Special Rules and Regulations for the Blanco-Mesaverde Pool/Special Rules and Regulations for the Basin-Dakota Pool," as promulgated by Division Order No. R-10987, for Burlington Resources Oil & Gas Company's ("Burlington") proposed San Juan "27-4" Unit Well No. 139-A to be drilled at an unorthodox gas well location in both the Blanco-Mesaverde and Basin-Dakota Pools 610 feet from the North line and 1560 feet from the East line (Unit B) of Section 9, Township 27 North, Range 4 West, NMPM, Rio Arriba County, New Mexico.

Gas production from the Blanco-Mesaverde Pool is to be included in an existing standard 320-acre stand-up gas spacing and proration unit comprising the E/2 of said Section 9, which is currently dedicated to Burlington's San Juan "27-4" Unit Well No. 139 (API No. 30-039-22812), located at a previously approved unorthodox gas well location (see Division Administrative Order NSL-1410, dated August 17, 1981) 2200 feet from the South line and 800 feet from the East line (Unit I) of Section 9.

The E/2 of Section 9, being a standard 320-acre gas spacing and proration unit for the Basin Dakota Pool, is also to be dedicated to the proposed San Juan "27-4" Unit Well No. 139-A.

The application has been duly filed under the provisions of Division Rules 104.F and 605.B of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division").

By the authority granted me under the provisions of Division Rule 104.F(2), the above-described unorthodox Blanco-Mesaverde infill gas well location and Basin-Dakota gas well location for the San Juan "27-4" Unit Well No. 139-A is hereby approved. Both of the aforementioned San Juan "27-4" Unit Well Nos. 139 and 139-A and both spacing units will be subject to all existing rules, regulations, policies, and procedures applicable to prorated gas pools in Northwest, New Mexico.

Sincerely,

Lori Wrotenbery

Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec

U. S. Bureau of Land Management - Farmington

try Il MES

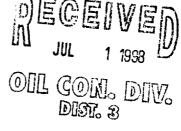
File: NSL-1410

BURLINGTON RESOURCES

SAN JUAN DIVISION



Ms. Lori Wrotenbery, Director New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505



Re:

San Juan 27-4 Unit #139A

610'FNL, 1560'FEL, Section 9, T-27-N, R-4-W, Rio Arriba County, NM

30-039-not assigned

Dear Ms. Wrotenbery:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for both the Mesa Verde and Dakota pools. This application for the referenced location is for topographic reasons, archaeology, and at the request of the Carson National Forest Service.

Production from the Blanco Mesa Verde pool is to be included in a standard 320 acre gas spacing and proration unit comprising of the east half (E/2) of Section 9 which is currently dedicated to Burlington's San Juan 27-4 Unit #139 (API 30-039-22812), located at 2200'FWL, 800'FEL of Section 9. Production from the Basin Dakota pool is to be included in a standard 320 acre gas spacing and proration unit comprising of the east half (E/2) of Section 9. There are no other Dakota wells in this proration unit.

The following attachments are for your review:

- 1. Application for Permit to Drill.
- 2. Completed C-102 at referenced location.
- 3. Offset operators/owners plat Burlington is the operator of the unit.
- 4. 7.5 minute topographic map, and enlargement of the map to define topographic features.

We appreciate your earliest consideration of this application.

Sincerely,

Peggy Bradfield

Regulatory/Compliance Administrator

xc:

NMOCD - Aztec District Office

Stadfield

Bureau of Land Management - Farmington District Office

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PE	RMIT TO DE	RILL, DEEPE	N, OR PLUG BACK	
1a.	Type of Work DRILL	DEG[5. Lease Number SF-08066 Unit Reporting N 8910010540	umber)-Dk
1b.	Type of Well GAS		1 1998	891001054/ 6. If Indian, All. or 1	
2.	Operator BURLINGTON RESOURCES Oil & Gas		M. DI K 3	^y ⊙7. Unit Agreement l	Name 27-4 Unit
3.	Address & Phone No. of Operator PO Box 4289, Farmington, N (505) 326-9700	М 87499		8. Farm or Lease N San Juan 9. Well Number 139A	ame 27-4 Unit
4.	Location of Well 610'FNL, 1560'FEL			10. Field, Pool, Wild Blanco MV/Basi 11. Sec., Twn, Rge,	n Dk
	Latitude 36 ^o 35' 35", Longit	ude 107 ⁰	15' 10"	Sec 9, T- API# 30-039-	27-N, R-4-W
14.	Distance in Miles from Nearest Town 60 miles to Bloomfield			12. County RA	13. State NM
15.	Distance from Proposed Location to Ne	arest Prope	rty or Lease L	ine	
16.	Acres in Lease			17. Acres Assigned 320	d to Well
18.	Distance from Proposed Location to Ne	arest Well, [Orlg, Compl, c	or Applied for on this L	ease
19.	4000' Proposed Depth 8481'			20. Rotary or Cable Rotary	e Tools
21.	Elevations (DF, FT, GR, Etc.) 7154' GR			22. Approx. Date V	Vork will Start
23.	Proposed Casing and Cementing Progressions Plan attach				
24.	Authorized by: Jagu Ska	« Khui	d	5-30	.98
	Regulatory/Compl			r Date	
PERM	AIT NO.		APPROVAL D	ATE	
APPF	ROVED BY	TITLE		DA	TE

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.

District I
PO Box 1980, Hobbe NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Azec, NM 87410

PO Box 2088, Santa Fe, NM 87504-2088

District IV

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

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

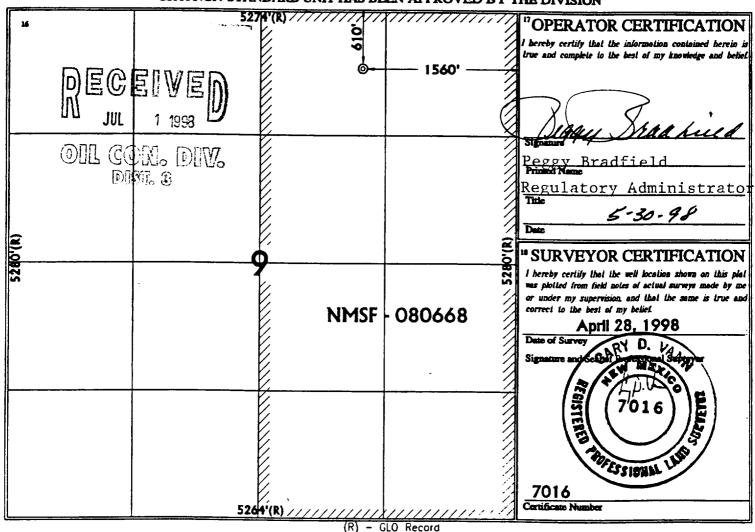
WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	¹ Poni Code	¹ Pool Code ³ Pool Name				
30-039-	72319/71599	Blanco Mesaverde/Basin Dal	tota			
Property Code		⁵ Property Name	4 Wall Number			
7452	SAN JUAN 27-4 UNI	Т	# 139A			
1 OCERID No.		Openstor Name	[†] Elevation			
14538	BURLINGTON RESOL	7154				
	ж С	C T				

Surface Location

R	0	27 N	4 W	Lotida	610	NORTH	Post from the	Bast/West line	RIO ARRIE
		27 14		L	L		1560	EAST	NO ARRE
			" Bott	om Hole	Location If	Different Fro	m Surface		
¹ UL or lot no.	Section	Township	Range	Lot lide	Feet from the	North/South Hos	Post from the	Bast/West line	County
		1							
⁶ Dedicated Acre		t or left!	Consolidation	Code 15	Order No.	<u></u>	1	<u>L</u>	<u> </u>
MV-E/320		ı							
IDK-E/320) [- 1					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #139A

Location: 610'FNL, 1560'FEL Sec 9, T-27-N, R-4-W

Rio Arriba County, NM

Latitude 36° 35′ 35″, Longitude 107° 15′ 10″

Formation: Blanco Mesa Verde/Basin Dakota

Elevation: 7154'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	3444'	
Ojo Alamo	3444'	3616 ′	aquifer
Kirtland	3616'	3655 '	
Fruitland *	3655'	3995 '	gas
Pictured Cliffs	3995'	4136'	gas
Lewis	4136'	4568'	gas
Intermediate TD	4236'		
Huerfanito Bentonite	4568'	5005 ′	gas
Chacra	5005 '	5792 '	_
Massive Cliff House	5792 '	5876'	gas
Menefee	5876'	6189 '	gas
Massive Point Lookout	6189'	6743 '	gas
Mancos Shale	6743 ′	7363 '	
Gallup	7363 ′	8141'	gas
Greenhorn	8141'	8206'	gas
Dakota	8206 ′		gas
TD (4 1/2"liner)	8481'		

Logging Program:

Cased hole - CBL - TD to 200' above TOC, GR/CNL across MV/Dk

Mud Program:

Interval	Туре	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200-4236'	LSND	8.4-9.0	30-60	no control
4236-8481'	Gas	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	Depth Interval	<u>Csg.Size</u>	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 4236'	7"	20.0#	J-55
6 1/4"	4136' - 8481'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8481' 2 3/8" 4.70# EUE

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.

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 2 3/8" x 3000 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 drilling crew.
- All BOP tests and 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 - cement with 163 sx Class "B" cement with 1/4# flocele/sx and 2% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. 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/349 sx Class "B" w/3% metasilicate, 10# gilsonite/sx and 1/2# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% calcium chloride, 2% gel, 1/2# flocele/sx, 10# gilsonite/sx (1114 cu.ft. of slurry, 75% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 3616'. Two turbolating centralizers at the base of the Ojo Alamo at 3616'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Cement with 469 sx 50/50 Class "B" Poz with 2% gel, 1/4# flocele/sx, 5# gilsonite/sx, and 0.4% fluid loss additive (624 cu.ft., 40% excess to cement 4 1/2" x 7" overlap). WOC a minimum of 18 hrs prior to completing.

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

Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. Instead, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" x 7" casing strings. After completion of the well, a 4 1/2" CIBP will be set above the last fracturing job to cut and pull the 4 1/2" casing above the 7" casing shoe. The 4 1/2" bridge plug will then be milled and tubing will be run for completion.

Special Drilling Operations (Gas/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.
- Deduster equipment will be utilized.
- 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 and Mesa Verde formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 800 psi Pictured Cliffs 800 psi Mesa Verde 700 psi Dakota 2500 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The east half is dedicated to the Dakota and the Mesa Verde in this well.
- This gas is dedicated.

Drilling Engine

5-/5-/98

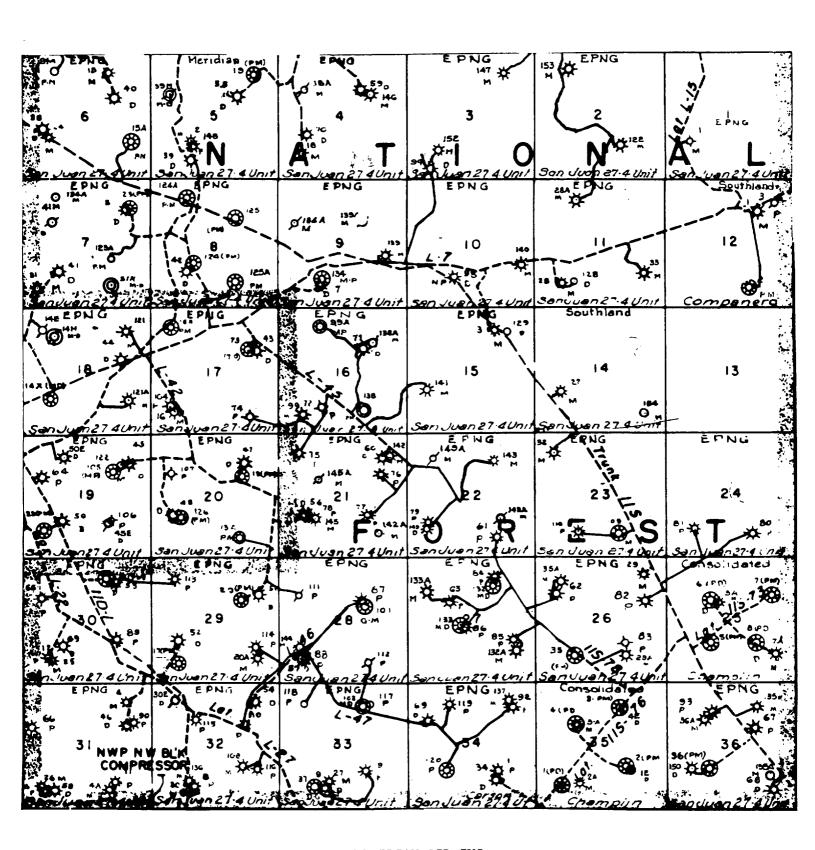
Date



- 1. Existing Roads Refer to Map No. 1. Existing roads used to access the proposed location will be properly maintained for the duration of the project. Bureau of Land Management right-of-way has been applied for as shown on Map No. 1.
- 2. Planned Access Road Refer to Map No. 1. The required new access road is shown on Map No. 1. The gradient, shoulder, crowning and other design elements will meet or exceed those specified by the responsible government agency. The new access road surface will not exceed twenty feet (20') in width. No additional turnarounds or turnouts will be required. Upon completion of the project, the access road will be adequately drained to control soil erosion. Approximately 2300' of access road will be constructed. Pipelines are indicated on Map No. 1A.
- 3. Location of Existing Wells Refer to Map No. 1A.
- 4. Location of Existing and/or Proposed Facilities if Well is Productive
 - a. On the Well Pad Refer to Plat No. 1, anticipated production facilities plat.
 - b. Off the Well Pad Anticipated pipeline facilities as shown on the attached plat from Williams Field Service.
- 5. Location and Type of Water Supply Water will be hauled by truck for the proposed project and will be obtained from San Juan 27-5 Water Well #1 located NE/4 Section 3, T-27-N, R-5-W, New Mexico.
- 6. Source of Construction Materials If construction materials are required for the proposed project, such materials will be obtained from a commercial quarry.
- 7. Methods of Handling Waste Materials All garbage and trash materials will be removed from the site for proper disposal. A portable toilet will be provided for human waste and serviced in a proper manner. If liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying waste materials into the watershed. Reserve pits will be lined as needed with either 12 mil bio-degradable plastic liner or a bentonite liner. All earthen pits will be so constructed as to prevent leakage from occurring; no earthen pit will be located on natural drainage. Generation of hazardous waste is not anticipated. Federal regulations will be adhered to regarding handling and disposal of such waste if so generated.
- 8. Ancillary Facilities None anticipated.
- 9. Wellsite Layout Refer to the location diagram and to the wellsite cut and fill diagram (Figure No. 4). The blow pit will be constructed with a 2'/160' grade to allow positive drainage to the reserve pit and prevent standing liquids in the blow pit.

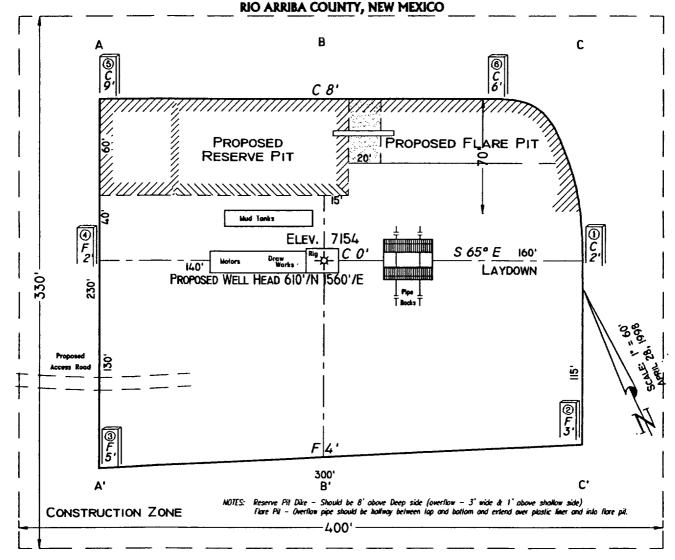
- Plans for Restoration of the Surface After completion of the proposed project, the 10. location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Seed mixture as designated by the responsible government agency will be used. The reseeding operations will be performed during the time period set forth by the responsible government agency. The permanent location facilities will be painted as designated by the responsible government agency.
- Surface Ownership Carson National Forest 11.
- Environmental stipulations as outlined by the responsible 12. Other Information government agency will be adhered to. Refer to the archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
- 13. Operator's Representative and Certification - Burlington Resources Oil & Gas Company Regional Drilling Manager, Post Office Box 4289, Farmington, NM 87499, telephone (505) 326-9700. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan, are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Burlington Resources Oil and Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Regulatory/Compliance Administrator



MERIDIAN OIL INC.
Pipeline Map
T-27-N, R-04-W
Rio Arriba County, New Mexico
San Juan 27-4 Unit #139A
Map 1A

PAD LAYOUT PLAN & PROFILE BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-4 UNIT 139A 610' F/NL 1560' F/EL SEC. 9, T27N, R4W, N.M.P.M.



SCALE: 1°=60'-HORIZ. 1°=40'-VERT. A-A' 7170 7160 7150 7140 NOTE: Contractor should call One-Call for location B-8' of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction. 7170 7160 7150 7140 C-C. 7170 7160 VANN SURVEYS 7150 304 N. Locke Formington, NM 7140

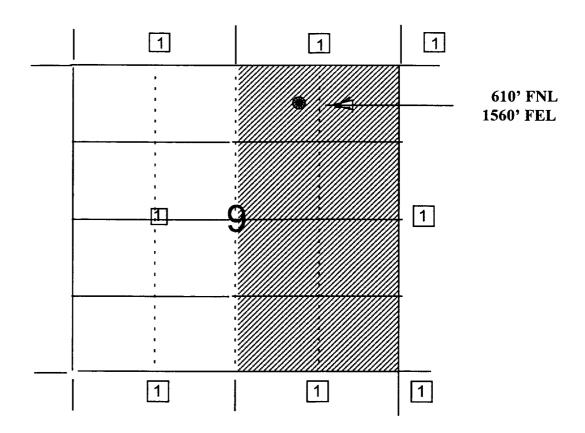
BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 27-4 Unit #139A

OFFSET OPERATOR/OWNER PLAT Nonstandard Location

Mesaverde / Dakota Formations Well

Township 27 North, Range 4 West



1) Burlington Resources

