UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work DRILL	5. Lease Number SF-078146
		Unit Reporting Number
1b.	Type of Well GAS	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESOURCES Oil & Gas Company	7 Unit Agreement Name
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499	8. Farm or Lease Name Culpepper Martin 9/ Well Number
	(505) 326-9700	7C
4.	Location of Well 1185'FNL, 815'FEL	10. Field, Pool, Wildcat Blanco Mesaverde/ Basin Dakota
	Latitude 36° 57.7, Longitude 108° 05.7	11. Sec., Twn, Rge, Mer. (NMPM) A Sec.28, T-32-N, R-12- API# 30-045-30//8
14.	Distance in Miles from Nearest Town 15 miles from Aztec	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Property or Lease 815'	Line
16.	Acres in Lease	17. Acres Assigned to Well 320 E/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl 900' This action is subject to technical and	, or Applied for on this Lease
19.	Proposed Description review pursuant to 43 CFR 3188.3 7390 and appeal pursuant to 43 CFR 3165.4.	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
23.	Downston Downston Downston	DRILLING OPERA覆ONS AUTHORIZED ARE JUBJECT TO COMPLIANCE WITH ATTACHE 'GENERAL REQUIREMENTS''
24.	Authorized by: Regulatory/Compliance Administra	1-/8-00 Date
PERM	IIT NO. APPROVAI	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.

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 PO Box 2088, Santa Fe. NM 87504-2088

State of New Mexico

Form C-102 Energy, Minerals & Natural Resources Department

Revised February 21, 1994

Instructions on back VISION Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

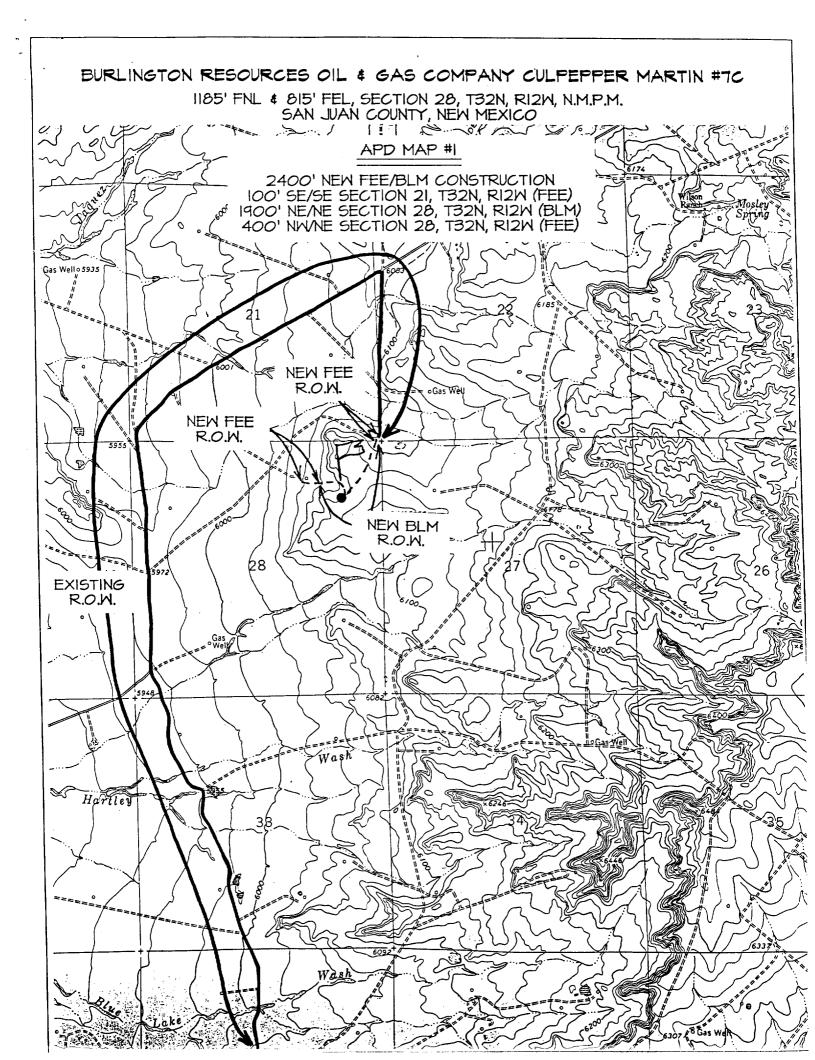
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number			'Pool Code		'Pool Name				
30-045- 30/18 723			Blanco Mesaverde Basin D				sin Dak	ota	
'Property Code 'Property Code			Property	Property Name			Well Number		
6935				(CULPEPPER	PPER MARTIN			7C
'DGRID N	ю.			*Operator Nam e .				.	'Elevation
14538 BURLI			BURLI	NGTON RESOURCES OIL & GAS COMPANY				6124.—	
	¹⁰ Surface Location								
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South lime	Feet from the	East/West	line County
Α	28	32N	12W		1185	NORTH	815	EAS	T SAN JUAN
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Fiange	Lot Ion	Feet from the	North/South line	feet from the	East/West	line County
	·								
12 Dedicated Acres 13 Joint or Infill 14 Consolibation Code 15 Order No.									
MV/DK;E	/320							· · · · · ·	

NO ALLOWARIE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

NO ALL	OR A NON-STANDAR	RD UNIT HAS BEE	N APPR	OVED BY TH	HE DIVISION
15	5264.E	32'	1185'		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
	AUG 2000		nc.	81 5'	Jagy ale
	25.8 222 W	FEE	SF-	078146	Peggy Cole Printed Name Regulatory Administrator Title
5382.96	28	3. —		5276.04	Date SURVEYOR CERTIFICATION
				76	I hereby certify that the well location shown on this p was plotted from field notes of actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 7, 1999
		<u>* 75</u>			Date of Survey ED War Signature and Section Processing MEXICON
	5253	60'			Certificate 1975



OPERATIONS PLAN

Well Name: Culpepper Martin #7C

Location: 1185'FNL, 815'FEL, Sec 28, T-32-N, R-12-W

San Juan County, NM

Latitude 36° 57.7, Longitude 108° 05.7

Formation: Blanco Mesa Verde/ Basin Dakota

Elevation: 6124' GL

Formation Tops:	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	904'	
Ojo Alamo	904!	924'	aquifer
Kirtland	924′	1851'	gas
Fruitland	1851'	2538'	gas
Pictured Cliffs	2538'	2718'	gas
Lewis	2718'	3241'	gas
Intermediate TD	2818'		
Mesa Verde	3241'	3711′	gas
Chacra	3711'	4176′	gas
Massive Cliff House	4176'	4437'	gas
Menefee	4437'	4874′	gas
Massive Point Lookout	4874'	5311'	gas
Mancos	5311'	6295′	gas
Gallup	6295′	7036′	gas
Greenhorn	7036'	7076'	gas
Graneros	7076'	7126'	gas
Dakota	7126′		gas
TD (4 1/2"liner)	7390'		

Logging Program:

Cased hole - IEL-GR, CNL-CDL, CBL-CCL-GR, Temp. - TD to surface

Mud Program:

<u>Interval</u>	Type	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200- 2818'	LSND	8.4-9.0	30-60	no control
2818- 7390'	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>Csq.Size</u>	Wt.	<u>Grade</u>
17 ½"	0' - 200'	13 3/8"	48#	H-40
10 5/8"	0' - 2818'	8 5/8"	32#	J-55
7 7/8"	2718' - 7390'	5 ½"	15.5#	J-55

Tubing Program:

٠.	5000 1	2 1/4	2 204 EIE
0'	- 7390'	1 ⅓"	2.90# EUE
0′	- 5311 <i>'</i>	1 ⅓"	2.75# IJ

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 -

13 3/8" x 8 5/8" x 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x 5000 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
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

13 3/8" surface casing - cement with 353 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (417 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

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

8 5/8" intermediate casing -

Lead w/354 sx Class "B" w/3% sodium metasilicate, qilsonite/sx and 1/4# flocele/sx. Tail w/90 sx Class "B" w/2% calcium chloride, 2% sodium metasilicate, 0.25 pps flocele, 5 pps gilsonite (1184 cu.ft. of slurry, 100% excess to circulate WOC minimum of 8 hours before drilling out to surface.) 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.

8 5/8" intermediate casing alternative two stage: Stage collar at 1751'. First stage: cement with 261 sx Class "B" cmt with 5 pps gilsonite, 1/4 pps flocele, 2% metasilicate, 2% calcium chloride. Second stage: 253 sx Class "B" with 3% sodium metasilicate, 1/4 pps flocele, 5 pps Gilsonite (1184 cu.ft., 100% excess to circulate to surface).

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 924'. Two turbolating centralizers at the base of the Ojo Alamo at 924'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

5 1/2" Production Liner --

Cement to cover minimum of 100' of 5 1/2" x 8 5/8" overlap. Lead with 879 sx 50/50 Class "H" Poz with 2% gel, 0.25 flocele/sx, 5# gilsonite/sx, 0.2% retardant and 0.4% fluid loss additive (1134 cu.ft.), 50% excess to cement 5 1/2" x 8 5/8" 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. In its place, a long string of 5 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 5 1/2" x 8 5/8" casing strings. After completion of the well, a 5 1/2" retrievable bridge plug will be set below the top of cement in the 5 1/2" x 8 5/8" overlap. The 5 1/2" casing will then be backed off above the top of cement in the 5 1/2" x 8 5/8" overlap and laid down. The 5 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well.

- If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.
- The pipe will be rotated and/or reciprocated, if hole conditions permit.

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.