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ADMINISTRAT	- Engineering Bureau		eet
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Application Acronyms: [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] TYPE OF APPLICATION - Check Those Which Apply for [A] [1] Location - Spacing Unit - Directional Drilling [A] NSL NSP DD SD Check One Only for [B] and [C] 「「「「」 Commingling - Storage - Measurement [B] ⊁ DHC CTB PLC PC OLS OLM [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD EOR IPI PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] × Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Regulatory/Compliance Administrator

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 811 South First St., Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Rd, Aztec, NM 87410 DISTRICT IV 2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department **OIL CONSERVATION DIVISION**

Form C-107-A Revised August 1999

APPROVAL PROCESS: _ Administrative ____Hearing

	2040 S. Pacheco	
Santa	Fe, New Mexico 87505-6429)

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

BURLINGTON RESOURCES OI	L &	GAS	COMPANY
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PO BOX 4289, FARMINGTON, NM 87499

Operator				Address	
CEDAR HIL	L		1M	E 24-30N-11W	San Juan
Lease			Well No.	Unit Ltr Sec - Twp - Rge	County
					Spacing Unit Lease Types: (check 1 or more)
	14539	Property Code	6003		Federal X State (ant/or) Fe

The following facts are submitted in support of downhole commingling: 1. Pool Name and Pool Code	Upper Zone BLANCO MESAVERDE – 72319		Lower Zone BASIN DAKOTA - 71599
2. Top and Bottom of Pay Section (Perforations)	WILL BE SUPPLIED UPON COMPLETION		WILL BE SUPPLIED UPON COMPLETION
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	a. ^(Current) 523 psi (see attachment)		a. ^(Current) 688 psi (see attachment)
Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. ^(Oriiginal) 859 psi (see attachment)		b. ^(Oriiginal) 2956 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1224		BTU 1200
7. Producing or Shut-In?	SHUT-IN		SHUT-IN
	NO		YES
Production Marginal? (yes or no) * If Shut-In, give date and oil/gas/ water rates of last production	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date andoil/gas/ water rates of recent test (within 60 days)	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: Gas: % WILL BE SUPPLIED UPON COMPLETION

If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? If not, have all working, overriding, and royalty interests been notified by certified mail? _X_Yes ___No

Nill cross-flow occur? ___X_Yes ____No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. _X_Yes ____No (If No, attach explanation) If yes, are fluids compatible, will the formations not be damaged, will any cross-11. Will cross-flow occur?

_X_Yes ___ No 12. Are all produced fluids from all commingled zones compatible with each other?

13. Will the value of production be decreased by commingling? __ Yes __X No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. __X_yes ____ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).
16. ATTACHMENTS:

* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
* Production curve for each zone for at least one year. (If not available, attach explanation.)
* For zones with no production history, estimated production rates and supporting data.
* Data to support allocation method or formula.
* Notification list of working, overriding, and royalty interests for uncommon interest cases.
* Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE	Jean	- 4 .	lonigon	 TITLE	PRODUCTIO	ON ENGINEER	DATE:	12/10/99	
			1		,				
TYPE OR PRINT I	NAME	SEAN I	E. CORRIGAN	TELEPH	IONE NO. 50	5-326-9700			

TELEPHONE NO. 505-326-9700

___ YES _X_ NO

DISTRICT I P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

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

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, NM 87504-2088

		V	NELL L	OCATIO	N AND	AC	REAGE DEDI	CATION PI	LAT		
	Number	<u></u>		Pool Code			,	³ Pool Nam		•	
30-045-			723	19/715	4		lanco Mesav	verde/Bas	in Dal		11 March
*Property Ci 69033	ode						Name		1	* #	ell Numb er 1M
OGRID No							Name	<u> </u>			
	I		RU		-						Elevation 6103'
14538					NGTON RESOURCES OIL & GAS COMPANY						6103
					¹⁰ Surf	ace	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/We		County
E	24	30-N	11-W		1715		NORTH	81 9	WES	ST	SAN JUAN
			¹¹ Botte	om Hole	Locati	on	lf Different Fro	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/We	est line	County
^{pr} Dedicated Acre MV/DK:		1	Joint or Infil	1	¹⁴ Consolida	ation	Code	¹⁶ Order No.			
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		ORAI	NON-STA	NDARD	UNIT HA	S B	EEN APPROVED	BY THE DI	VISION		
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Cedar Hill #1M

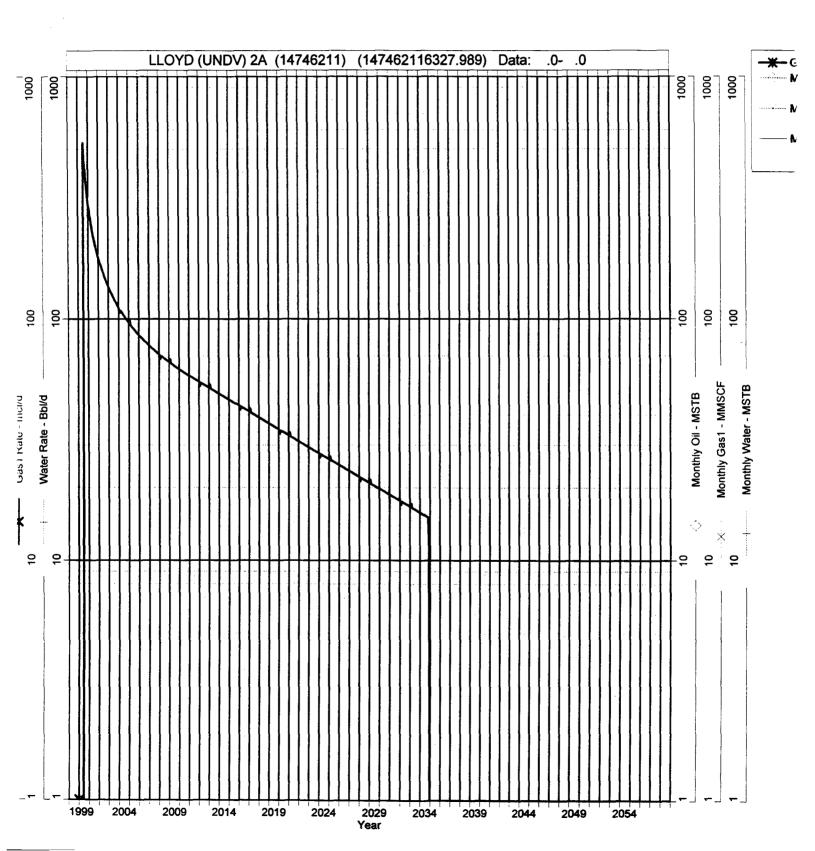
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Expected Production

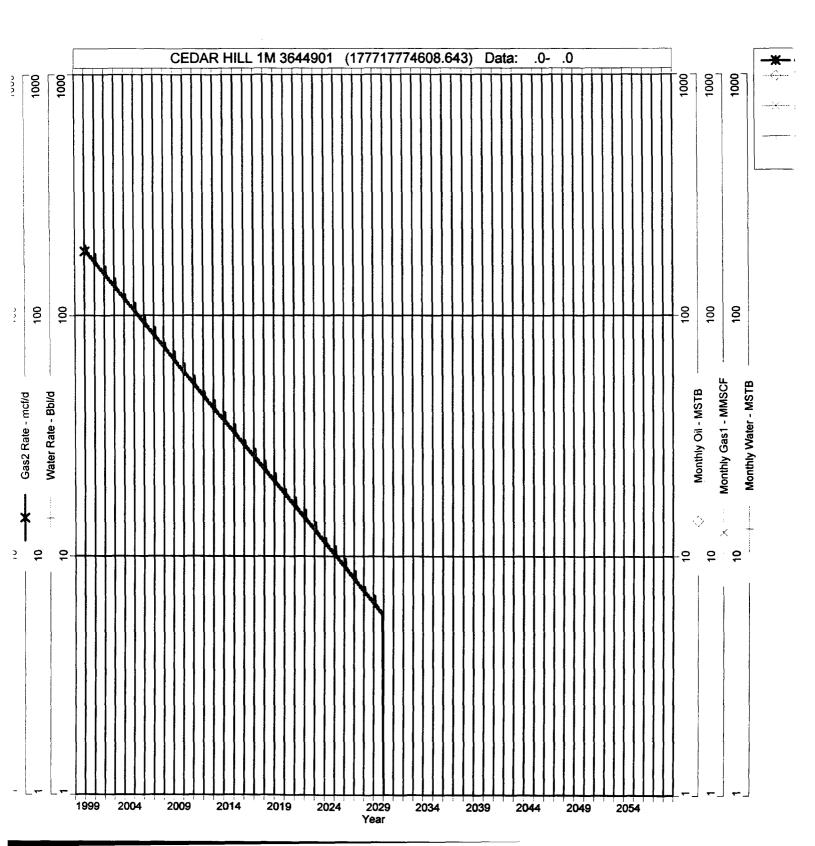
Mesaverde Formation



Cedar Hill #1M Expected Production

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Dakota Formation



Cedar Hill #1M Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method Version 1.0 3/13/94

Mesaverde	Dakota			
MV-Current	DK-Current			
GAS GRAVITY0.7COND. OR MISC. (C/M)C%N20.14%CO20.61%H2S0DIAMETER (IN)2.375DEPTH (FT)5013SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)137FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)460BOTTOMHOLE PRESSURE (PSIA)522.9	GAS GRAVITY0.699COND. OR MISC. (C/M)C%N20.41%CO21.33%H2S0DIAMETER (IN)2.375DEPTH (FT)7179SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)198FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)577BOTTOMHOLE PRESSURE (PSIA)687.5			
MV-Original	<u>DK-Original</u>			
GAS GRAVITY0.7COND. OR MISC. (C/M)C%N20.14%CO20.61%H2S0DIAMETER (IN)2.375DEPTH (FT)5013SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)137FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)750BOTTOMHOLE PRESSURE (PSIA)858.6	GAS GRAVITY0.699COND. OR MISC. (C/M)C%N20.41%CO21.33%H2S0DIAMETER (IN)2.375DEPTH (FT)7179SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)198FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)2418BOTTOMHOLE PRESSURE (PSIA)2955.8			

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Cedar Hill #1M

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Mesaverde Offset

Well Name	<u>Date</u>	Pressure
HARTMAN COM 6	03/28/88	750
HARTMAN COM 6	07/14/89	680
HARTMAN COM 6	04/24/90	553
HARTMAN COM 6	02/18/91	588
HARTMAN COM 6	07/02/91	600
HARTMAN COM 6	01/31/94	460

<u>Cedar Hill #1M</u> Dakota Offset

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Well Name	Date	Pressure
ROSS FEDERAL 1	02/21/64	2,418
ROSS FEDERAL 1	07/21/70	1,244
ROSS FEDERAL 1	04/09/71	1,361
ROSS FEDERAL 1	09/07/72	1,441
ROSS FEDERAL 1	05/02/73	918
ROSS FEDERAL 1	06/09/75	862
ROSS FEDERAL 1	06/30/77	716
ROSS FEDERAL 1	06/20/79	724
ROSS FEDERAL 1	06/08/81	630
ROSS FEDERAL 1	06/08/83	593
ROSS FEDERAL 1	06/27/85	693
ROSS FEDERAL 1	03/07/89	762
ROSS FEDERAL 1	12/07/89	594
ROSS FEDERAL 1	12/07/90	614
ROSS FEDERAL 1	08/07/92	577

Cedar Hill #1M Mesaverde / Dakota

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