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6/2	001	- 7/10/01 - DC - W - DHC
	• 	ARCVE THE LINE POR DIVISION LISE ONLY
		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -
	·	ADMINISTRATIVE APPLICATION COVERSHEET
	THIS	COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR ELCEPTICHS TO DRVISION RULES AND REGULATIONS
Application	(DH	IS: [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] IC-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-Saft Water Disposal] [IPI-Injection Pressure Increase] OR-Cualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1] TY	TE OF [A]	APPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD SD
	[B]	ADHC OCTB OPLC OPC OOLS OOLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
[2] NO	TIFICA [A]	TION REQUIRED TO: - Check Those Which Apply, or Does Not Apply 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]	G For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	Q Waivers are Attached
3] INF(ORMAT	TION / 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 further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Sig



June 15, 2001

Ms. Lori Wrotenbery NMOCD 1220 South ST. Francis Drive Santa Fe, New Mexico 87504

RE: Administrative Approval to Downhole Commingle Energen Resources Corporation Carson 6 150' FSL, 835' FWL, Sec. 29, T30N, R4W, N.M.P.M. Rio Arriba County, New Mexico API # 30-039-26145

Dear Ms. Wrotenbery:

Energen Resources Corporation requests Administrative Approval to add the E Blanco Pictured Cliffs and downhole commingle it with the Blanco Mesa Verde in the subject well. The well is currently producing as a single Mesa Verde completion. Open hole log results show additional potential in the Pictured Cliffs formation similar to offset producing wells. Since the Pictured Cliffs is marginal in this area, it is felt commingling is the most economical way to produce the Pictured Cliffs reserves in this proration unit.

To comply with New Mexico Oil Conservation Rules, Energen Resources Corporation, is submitting the following data for your approval of the proposed commingling:

- 1. Form C107A Application for Downhole Commingle
- 2. C102 Location plat showing each spacing unit and dedicated acreage
- 3. Production curves for both the Pictured Cliffs and Mesa Verde
- 4. Offset operator plat
- 5. Supporting pressure data
- 6. Proposed allocation method

In accordance to New Mexico Oil Conservation Division Rule 303D, all offset operators are being notified of this application by certified mail. As an offset operator, working, royalty or overriding royalty owner, and you have no objection to this application, you do not have to respond to this notification.

If additional information is needed, please contact me.

Sincerely Gary W Brink

Production Superintendent

GWB/vd

cc: NMOCD - Aztec, BLM - Farmington, Offset Operators

District I

1625 N. French Drive, Hobbs, NM 88240 District II

811 South First Street, Artesia, NM 88210 District III Well

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

APPLICATION TYPE

Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

_X__Single Establish Pre-Approved Pools

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE _X__Yes ___No

Energen Resources Corporation 2198 Bloomfield Highway, Farmington, New Mexico 87401 Operator Address M Sec 29 T30N R4W Carson 6 Rio Arriba Well No. Unit Letter-Section-Township-Range Lease County _ API No. 3003926145 _ Lease Type: X _ Federal _ State _ Fee OGRID No.__162928_ Property Code__21185_

INTERMEDIATE ZONE LOWER ZONE DATA ELEMENT **UPPER ZONE** Blanco Mesaverde East Blanco Pictured Cliffs Pool Name 72400 72319 Pool Code 4183-4435 5165-6833 Top and Bottom of Pay Section (Perforated or Open-Hole Interval) Flowing Flowing Method of Production (Flowing or Artificial Lift) 385 Calc 529 Est **Bottomhole Pressure** (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone) 1050 Btu Oil Gravity or Gas BTU (Degree API or Gas BTU) 1080 Btu Producing, Shut-In or New Zone Producing New Zone Date and Oil/Gas/Water Rates of Last Production. Date: 4/1/2001 (Note: For new zones with no production history, Date: n/a Date: applicant shall be required to attach production Rates: 0/81/1 estimates and supporting data.) Rates: Rates: n/a Oil Gas Oil Gas Oil Gas **Fixed Allocation Percentage** on is based upon someth other than current or past production, supporting data or % % % % % % explanation will be required.)

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	YesXNo YesXNo
Are all produced fluids from all commingled zones compatible with each other?	YesXNo
Will commingling decrease the value of production?	Yes No_X
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?	YesX No
NMOCD Reference Case No. applicable to this well:	

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, royalty and overriding royalty interests for uncommon interest cases.

Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole p ssute data

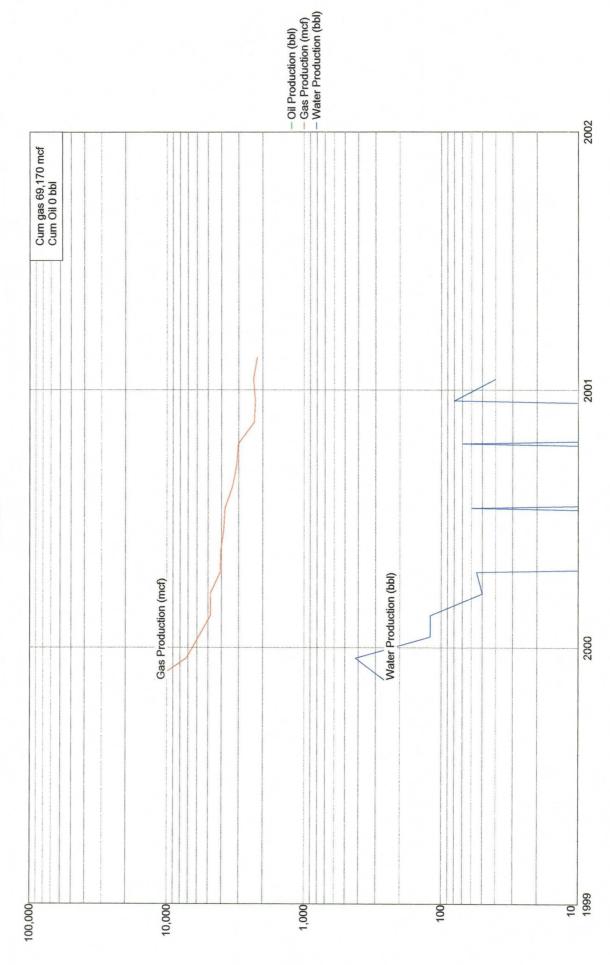
Dottominore pressure data.		
I hereby certify that the ir	formation above is true and complete to the best of my knowledge and belief.	
SIGNATURE		101
TYPE OR PRINT NAME		<u>. </u>

Pt) Rox 1980, Hobbs, NA District II 811 South First, Artesia, District III 1000 Rio Brazos Rd., Az District IV 2040 South Pacheco, San				no. . C(Nünernin & ONSER 2040 S	VA7	w Mexico I Remuree Department FION DIVISIC Pacheco IM 87505	-	Sul		Ins ppropria State Fee	Form C-1 October 18, 19 tructions on ba the District Off Lease - 4 Cop Lease - 3 Cop					
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Lease Name: CARSON County, State: RIO ARBA, NM Operator: TAURUS EXPLORATION USA INCORPORATED Field: BLANCO Reservoir: MESAVERDE Location: 29 30N 4W SE SW SW

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Carson 6

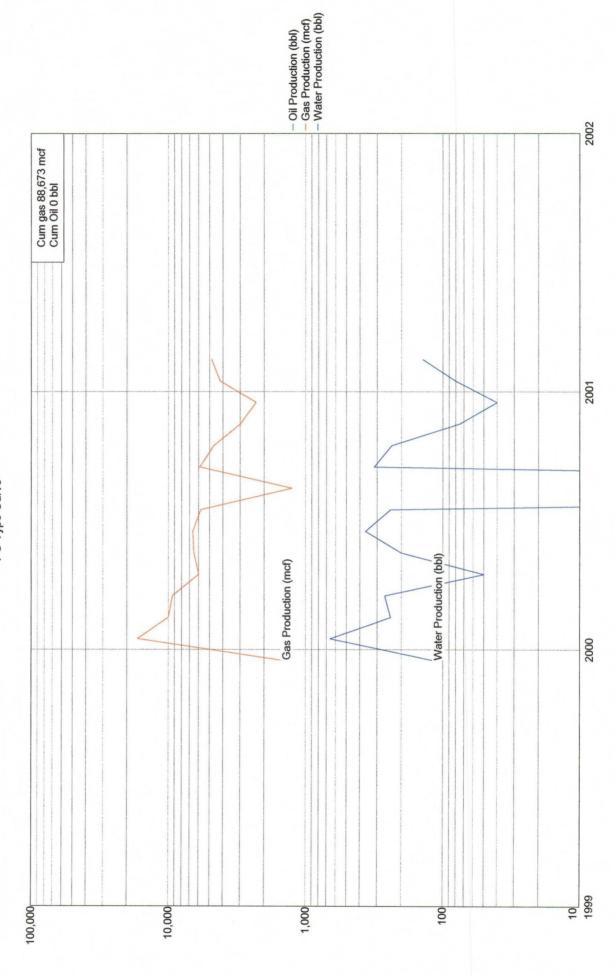


Lease Name: CARSON County, State: RIO ARBA, NM Operator: TAURUS EXPLORATION USA INCORPORATED Field: BLANCO EAST Reservoir: PICTURED CLIFFS Location: 29 30N 4W SE NE NW

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PC Type Curve



Production Rates

Time

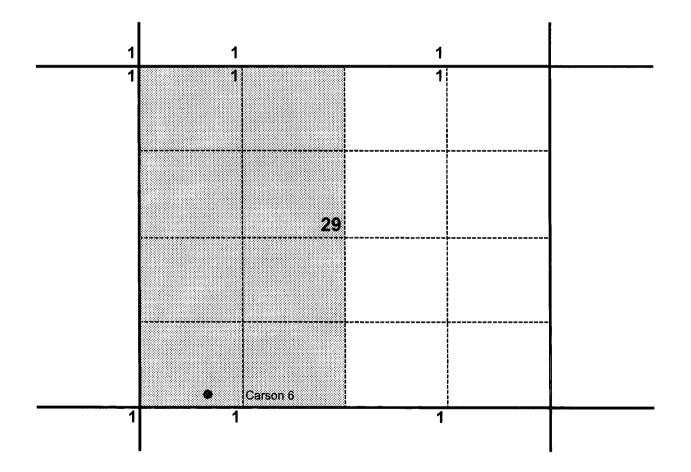
Energen Resources Corp.

Carson 6

Offset Operator / Ownership Plat

E. Blanco Pictured Cliffs/ Blanco Mesa Verde Downhole Commingling

Township 30 N, Range 4 W



1) Energen Resources

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Pictured Cliffs Current Shut-In Bottom Hole Pressure



PC Payadds

⋇ PC Well

Current BHP, psia

T30N

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Carson #6

Proposed Allocation Method

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Produce total well stream for 60 days following Pictured Cliffs pay add Pay add projected to add 100 MCFD from Pictured Cliffs

Total Stream = X Mesaverde flow rate = 81 MCFD

MV Allocation = 81/X as a percentage

PC allocation = (X-81)/X as a percentage

Rates will be reported to NMOCD- Aztec for final allocation percentage determination