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NEW MEXICO OIL CONSERVATION DIVISION

					- Enginee	ring Bureau -				Ĉ	79.0
			ADMIN	IISTRAT	IVE APP	LICATIO	ON CO	/ERS	HEET		
		THIS COV	ERSHEET IS MANO	ATORY FOR ALL A	DMINISTRATIVE AP	PLICATIONS FOR	R EXCEPTIONS	TO DEVISIO	N RULES AND	REGULATIO	ONS.
Applica	ation Acr	DHC- (F	I) Downhole Cor C-Pool Comm [WFX-Wa	Ion-Standard DD-Direction: mmingling] ingling] (O sterflood Exp D-Salt Water lanced Oil Re	al Drilling] ([CTB-Lease (LS - Off-Lease ansion] [PM	SD-Simulta Comminglin Storage] IX-Pressure	neous Dedi g] [PLC-f [OLM-Off- Maintenan	cation] Pool/Lea Lease N ce Expa	se Comm leasurem nsion)	ent]	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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		Check [B]		for [B] or [Cling - Storag	ge - Measure		OLS		DLM		
		[C]	Injection -	Disposal -	Pressure Inc	rease - En	hanced Oi		very PPR		
[2]	NOTI	FICAT [A]		J IRED TO g, Royalty (oes Not.	Apply	
		[B]	Offset C	Operators, L	.easeholders	or Surface	e Owner				
		[C]	☐ Applica	tion is One	Which Requ	iires Publi	shed Lega	l Notic	ε		
		[D]		ition and/or Sureau of Land Ma					æ		
		[E]	☐ For ail o	aî ihe above	, Proof of N	otification	or Public	ation is	Attache	d, and/	or,
		[F]	☐ Waivers	are Attache	ed			•.			

[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 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.



May 25, 2001

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

RE:

Administrative Approval to Downhole Commingle Energen Resources Corporation San Juan 30-4 Unit #43 660' FSL, 140' FWL, Sec. 17, T30N, R4W, N.M.P.M. Rio Arriba County, New Mexico

API # 30-039-26319

Dear Ms. Wrotenbery:

Energen Resources Corporation requests Administrative Approval to downhole commingle the E Blanco Pictured Cliffs and the Blanco Mesa Verde pools in the subject well. The well is currently producing as a Pictured Cliffs/ Mesa Verde dual completion. The Mesa Verde zone has experienced some liquid loading problems with the swings in line pressure and it is felt downhole commingling will eliminate excessive operational problems. As a result of commingling, the Pictured Cliffs flowstream will assist in keeping the Mesa Verde zone unloading and producing with fewer operational problems.

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. Ownership list of working, royalty and overriding royalty interests

In accordance to New Mexico Oil Conservation Division Rule 303D, all offset operators, working, royalty, and overiding royalty interests 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.

1 \ 0...

Sincerely

Gary W. Brink

Production Superintendent

GWB/vd

cc: NMOCD - Aztec, BLM - Farmington, Offset Operators, Working, Royalty, Overiding Royalty Owners

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 2000

5. Lease Serial No.

SF-079485-B

Do not use this form for abandoned well. Use Fon			6. If Ir	ndian, Allottee or Tribe Name
SUBMIT IN TRIPLICATE -	Other instructions or	reverse side		Unit or CA/Agreement, Name and/or No Juan 30-4 Unit
1. Type of Well Oil Well X Gas Well Other				11 Name and No. Juan 30-4 Unit 43
2. Name of Operator ENERGEN RESOURCES CORPORATION			0.45	1 117 11 N
3a. Address	3b	. Phone No. (include are	• • •	I Well No. 89-26319
2198 Bloomfield Highway, Farmington			10. Fi	eld and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey I			[E. B1	anco PC/ Blanco MV
660' FSL, 140' FWL, Sec. 17, T30N,	R4W, N.M.P.M.			ounty or Parish, State
		ATE MATURE OF M		Arriba NM
12. CHECK APPROPRIATE	BOX(ES) TO INDIC.			OTHER DATA
TYPE OF SUBMISSION	<u></u>	TYP	E OF ACTION	
X Notice of Intent	Acidize	Deepen	Production (Start/Re	esume) Water Shut-Off
	Alter Casing	Fracture Treat	Reclamation	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete	X Other
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Abando	ⁿ Commingle
	Convert to Injection	Plug Back	Water Disposal	
It is intended to downhole comming 1. MIRU. TOH and lay down 1 1/2" 2. TIH and clean out with air mis production.	tubing. Release se	eal assembly and		nd return to
14. I hereby certify that the foregoing is true and correct Name (Printed Typed)	ι	Title	Lin Alle III	
Vient bonding		T	tion Assistant	
Mit Mussell	IS SPACE FOR FEDER	Date 5/25/01		
Approved by	S SPACE FUR FEDER	Title	-ICE USE	Date
		~		Date
Conditions of approval, if any, are attached. Approval certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations to	o those rights in the subject	ant or Office lease		

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

811 S. First St., Artesia, NM 88210-2835

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

DISTRICT IV

2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

2040 S. Pacheco Santa Fe, New Mexico 875054-6429 Form C-107-A Revisied March 17, 1999 APPROVAL PROCESS:

X_ Administrative __ Hearing

EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

ENERGEN RESOURCES CORPORATION Operator	2198 [Address	Bloomfield Highway,	Farmingt	con, NM 87401
San Juan 30-4 Unit	43 M Well No. Unit Ltr Se	Sec 17 30N	4W	Rio Arriba County
OGRID NO. 162928 Property Cod	e <u>21994</u> API NO. <u>30-0</u>	39-26319	Spacing L Federal <u>X</u>	Init Lease Types: (check 1 or more) State (and/or) Fee
The following facts are submitted in support of downhole commingling: 1. Pool Name and Pool Code	Upper Zone E Blanco PC 72400	Intermediate Zone		Lower Zone Blanco Mv 72319
Top and Bottom of Pay Section (Perforations)	4196-4458'			6090 - 6728 '
3. Type of production (Oil or Gas)	Gas			Gas
Method of Production (Flowing or Artificial Lift)	Flowing			Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 809 Calc b. (Original) 1070 Calc	a. b.		a. 892 Calc b. 1232 Calc
6. Oil Gravity (* API) or Gas BTU Content)	1055 BTU			1050 BTU
7. Producing or Shut-In?	Producing			Producing.
Production Marginal? (yes or no)	No			No
If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:		Date: Rates:
* If Producing, give date and oil/gas/ water rates of recent test (within 60 days)	Date: 4/9/01 Rates: 0/658/2	Date: Rates:		Date: 4/16/01 Rates: 0/610/3
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: 52 %	Oil: Gas:	%	Oil: Gas: 48 [%]
If allocation formula is based submit attachments with support	upon something other than currorting data and/or explaining n	rent or past production	n, or is ba	ased upon some other method, ections or other required data.
 Are all working, overriding, and r If not, have all working, overridin Have all offset operators been gi 	oyalty interests identical in all cor g, and royalty interests been notif ven written notice of the proposed	nmingled zones? ied by certified mail? d downhole commingling	j ?	Yes XNo Yes No No No
11. Will cross-flow occur?	Yes _X_No If yes, are fluids and will the allocation formula be	compatible, will the for reliable.	rmations r Yes l	not be damaged, will any cross- No (If No, attach explanation)
12. Are all produced fluids from all o	ommingled zones compatible with			esNo
13. Will the value of production be d14. If this well in on, or communitized			•	s, attach explanation)
United States Bureau of Land Ma	anagement has been notified in w	riting of this application.	_X_Yes	No
15. NMOCD Reference Cases for Re16. ATTACHMENTS:	ule 303(D) Exceptions: ORD	ER NO(S).		
* C-102 for each zone to * Production curve for e * For zones with no pro- * Data to support alloca * Notification list of all o	o be commingled showing its space ach zone for at least one year. (I duction history, estimated production method or formula. Ifset operators. king, overriding, and royalty interestricts, data, or documents required	f not available, attach extion rates and supporting	xplanation. g data.)
I hereby certify that the information a	bove is true and complete to the l	best of my knowledge a	nd belief.	
SIGNATURE JUM W. N	Just	TITLE <u>Prod. Superi</u>	ntendent	DATE <u>5/22/01</u>
TYPE OR PRINT NAME Gary W. B	rink	TELEPHO	ONE NO(_	<u>505</u>) <u>325-6800</u>

District I State of New Mexico Form C-102 . PO Bax 1980, Hobbs, NM 88241-1980 Revised February 21, 1994 Energy, Minerals & Natural Resources Department Instructions on back District II Jubmit to Appropriate District Office PO Drawer CD. Artesia, NM 88211-0719 State Lease - 4 Copies Fee Lease - 3 Copies OIL CONSERVATION DIVISION PO Box 2088 1000 Rio Brazos Ad., Aztec, NM 87410 Santa Fe. NM 87504-2088 AMENDED REPORT District IV PO Box 2088, Santa Fe, NM 87504-2088 283 111 23 111 1: WELL LOCATION AND ACREAGE DEDICATION PLATA 'Pool Code Pool Name 'API Numper East Blanco Pictured Cliffs-Blanco Mesavende 72400-72319 30-039-26319 Property Name *Procenty Code *Well Number SAN JUAN 30-4 UNIT 43 21994 'OGRID No. *Operator Name *Elevation 162928 ENERGEN RESOURCES CORPORATION 7447 ¹⁰ Surface Location Township Lot Idn Feet from tre Northy South Time UL or lot no Feet from the East/west line RIO SOUTH 140 М 17 30N 4W 660 WEST ARRIBA ¹¹Bottom Hole Location If Different From Surface UL or lot no Section Township Feet from the Nontry South Time Feet from the East/mest line County 12 Dedicated Acres U Joint or Infill | 14 Conscipation Code 160/320 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE EEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION " OPERATOR CERTIFICATION 527 3.36 I heneby centify that the information contained henein is true and complete to the best of my knowledge and belief Signature Gary Brink Printed Name Production Superintendant Title 119100 Date "SURVEYOR CERTIFICATION I hereby centify that the well location shown on this clat was plotted from field notes of actual surveys made by he on under my succension, and that the same is true and correct to the best of my belief. NOVEMBER 15. 1999 C.EDWARD

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Date of Survey

WH METICO

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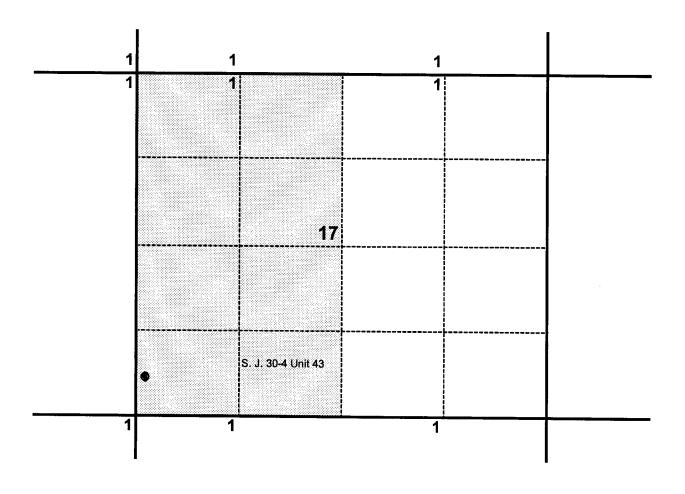
6857

Energen Resources Corp.

San Juan 30-4 Unit 43 Offset Operator / Ownership Plat

E. Blanco Pictured Cliffs/ Blanco Mesa Verde Downhole Commingling

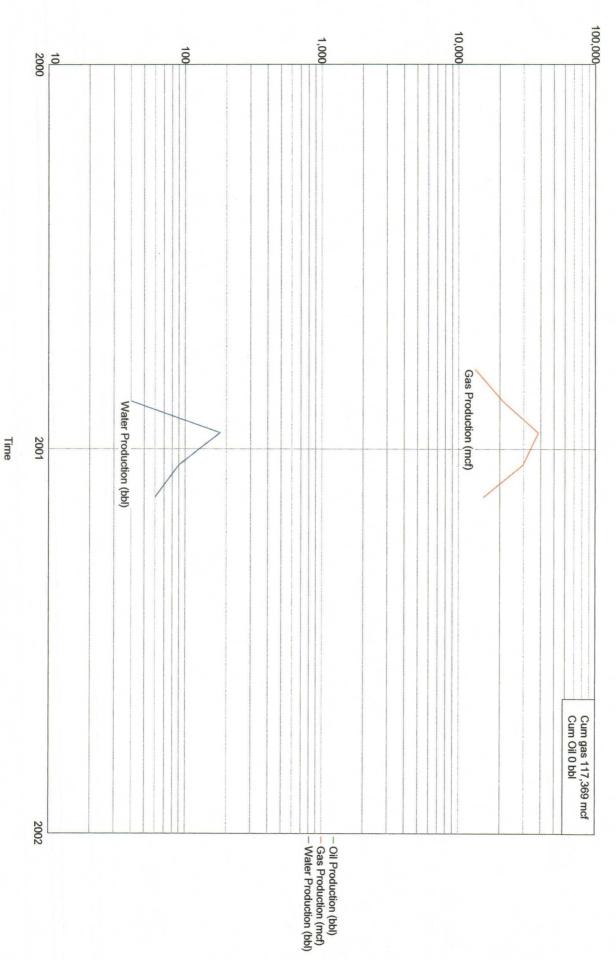
Township 30 N, Range 4 W



1) Energen Resources

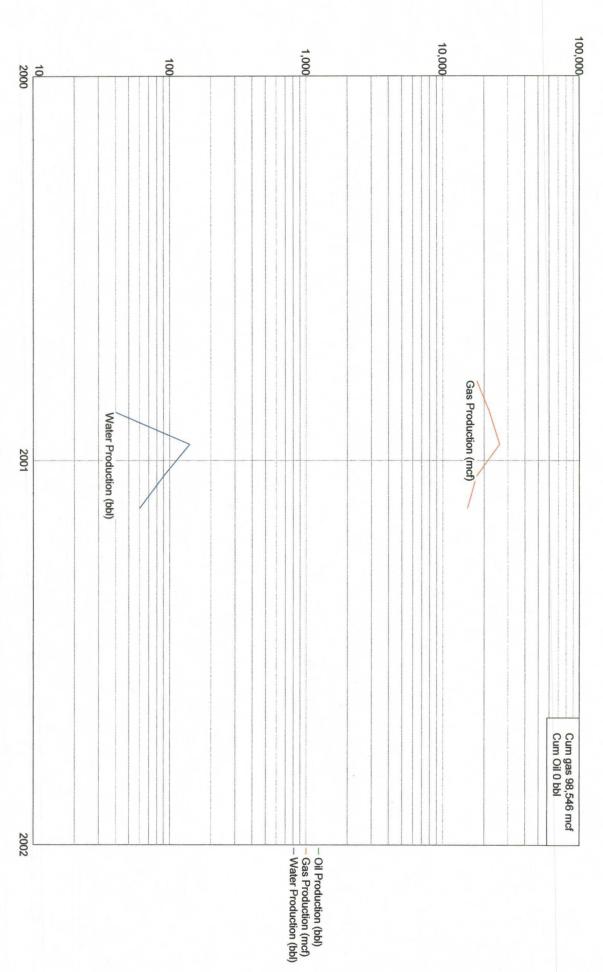
Lease Name: SAN JUAN 30 4 UNIT
County, State: RIO ARBA, NM
Operator: TAURUS EXPLORATION USA INCORPORATED
Field: BLANCO EAST
Reservoir: PICTURED CLIFFS
Location: 17 30N 4W W2 SW SW

San Juan 30-4 Unit 43



Lease Name: SAN JUAN 30 4 UNIT County, State: RIO ARBA, NM Operator: TAURUS EXPLORATION USA INCORPORATED Field: BLANCO Reservoir: MESAVERDE Location: 17 30N 4W W2 SW SW

San Juan 30-4 Unit 43



Time

DIR LISTING for Rich Corcoran, from process LD0110 (P12337)

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DIR LISTING for Rich Corcoran, from process LD0110 (P12337)

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End of Report

MV ownestip S.J. 30-4 Unit # 43

Well Name	Well	N Pool_Nm	MO	YR	gas	oil	wtr	pi	press	days
SAN JUAN	043	BLANCO PICTURE	10	2000	13221	0	0	Р	0	31
SAN JUAN	043	BLANCO PICTURE	11	2000	21123	0	40	Ρ	0	30
SAN JUAN	043	BLANCO PICTURE	12	2000	38291	0	180	Р	0	31
SAN JUAN	043	BLANCO PICTURE	1	2001	29536	0	90	Р	0	31
ŞAN JUAN	043	BLANCO PICTURE	2	2001	15198	0	60	Р	0	28
SAN JUAN	043	BLANCO-MESAVER	10	2000	17657	0	0	Р	0	31
SAN JUAN	043	BLANCO-MESAVER	11	2000	22003	0	40	Ρ	0	30
SAN JUAN	043	BLANCO-MESAVER	12	2000	26086	0	140	Р	0	31
SAN JUAN	043	BLANCO-MESAVER	1	2001	17656	0	90	Р	0	31
SAN JUAN	043	BLANCO-MESAVER	2	2001	15144	0	60	Р	0	28

54% PC 467. MV.