DATE IN /22/99	SUSPENSE / 90	ENGINEER C	LOGGED	TYPE DHC
6/22/11	1/12/79	7	10 0	

2394

Date

		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -
•		ADMINISTRATIVE APPLICATION COVERSHEET
•	THIS COVERSHE	EET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
Applica	[PC-Pc	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [Inhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [Dol Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [Indicated Color Response]
[1]	TYPE OF A	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling UNSL UNSP DD DSD
	Check [B]	Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery □ WFX □ PMX □ SWD □ IPI □ EOR □ PPR
[2]	NOTIFICAT [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]	☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	☐ Waivers are Attached
[3]	INFORMAT	TION / DATA SUBMITTED IS COMPLETE - Statement of Understanding
Regul approv RI, OI	ations of the Or val is accurate a RRI) is commo	I, or personnel under my supervision, have read and complied with all applicable Rule il Conservation Division. Further, I assert that the attached application for administrated complete to the best of my knowledge and where applicable, verify that all interest. I understand that any omission of data, information or notification is cause to have returned with no action taken.

les and rative est (WI, e the

	Note: Statement must be completed by an in	dividual with supervisory capacity.	
Peggy Bradfield	Sina Shidhuid	Regulatory/Compliance Administrator	
Print or Type Name	Signature	Title	

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

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

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

APPLICATION FOR DOWNHOLE COMMINGLING

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

Form C-107-A New 3-12-96

APPROVAL PROCESS:

X Administrative ___Hearing

EXISTING WELLBORE

Burlington Resources Oil and Gas

X__ YES ___ NO

Rattlesnake Canyon	#1	N-32-T32N-		S	an Juan
_ease	Well No.	Unit Ltr Sec - Twp	- Rge		County t Lease Types: (check 1 or more)
OGRID NO. <u>14538</u> Property Co	de18605	API NO3	0-045-20515	• •	, StateX, Fee
The following facts are submitted in support of downhole commingling:	Uppi Zon	Francisco Berlin Constanting of Constanting of	Interm Zo	edlate ne	Lower Zone
Pool Name and Pool Code	Pump Mesa Fruit		22/49		Blanco Mesaverde (RORNE) 645 - 723/9)
Top and Bottom of Pay Section (Perforations)	3280'-3300'	3780)			5576'-5988'
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	(Current) a. 250 psi (see attachment)				a. 275 psi (see attachment)
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured	(Original) b. 1421 psi (see attachme	ent)			b. 1031 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 946				BTU 1015
7. Producing or Shut-In?	Producing				Producing
Production Marginal? (yes or no)	Yes				Yes
If Shut-In and oil/gas/water rates of last production	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 data and oil/gas/water water of recent test (within 60 days)	Date: 3/31/99 Rates: 30 mcfd 0.0 bopd				Date: 3/31/99 Rates: 48 mcfd 0.0 bopd
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Will be supplied upo	n completion.			Will be supplied upon completion.
9. If allocation formula is based submit attachments with supp 10. Are all working, overriding, and If not, have all working, overrid Have all offset operators been	_				
11. Will cross-flow occur? _X_Y production be recovered, and	es No If yes will the allocation	, are fluids comp formula be relial	atible, will the	formations not l	be damaged, will any cross-flowe attach explanation)
12. Are all produced fluids from all	_				-, -
Will the value of production beIf this well is on, or communi	•	• • —		• •	•
 If this well is on, or communi Bureau of Land Management ha NMOCD Reference Cases for Re 					
16. ATTACHMENTS: * C-102 for each zone * Production curve for * For zones with no pr * Data to support allor * Notification list of all * Any additional states	to be commingled reach zone for at roduction history, cation method or f ll offset operators	showing its spa least one year. (estimated produ ormula.	cing unit and a If not available ction rates and	acreage dedicati , attach explana I supporting data	on. tion.) a.
I hereby certify that the inform	nation above is			•	_
SIGNATURE //VVV	toolde		_E <u>Product</u>	ion Engineer	_DATE6/14/99
TYPE OR PRINT NAME MI	ike Haddenham		_TELEPHON	IE NO. (50	5) 326-9700

All distances must be from the outer boundaries of the Section Operator Lease Well No. Aztec Oil & Gas Company Unit Letter Section Township 32N N 32 Comp San Juan Actual Footage Location of Well: 820 1680 South feet from the West line and feet from the line Ground Level Elev. Producing Formation Dedicated Acreage: 66**46** Dakota 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below dianeo diseaverds - Bosin Cakota 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of dated by communitization, unitization, force-pooling, etc? JUN 1 9 1969 Yes If answer is "yes." type of consolidation ___ BIH CON COM If answer is "no," list the owners and tract descriptions which have actually been consolidad this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name Position Jon C. Patenco District Superintendent dates off and das Sec. 32 June 14, 1989 I hereby certify that the well location shown on this plat was plotted 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 knowledge and belief. June 10, 1969 to solven il linitia

330

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102 Revised 1-1-89

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

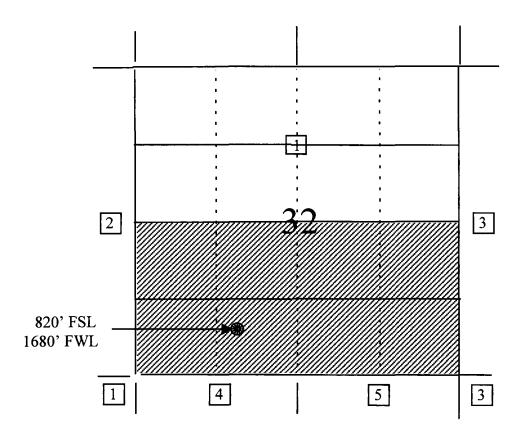
		AR UTSES	LICEUS (LICE) COR	HOILI BIN OCHE	COCHECTION OF	I UTO SUCCION		
betator		7		Loage				Well No.
		alty Compa	any		Lesnak	e Canyo		11
N	32	32 Nor	th	8 Wes	t	NMP	County San	Juan
Canal Footage Location 820 fe	et from the S	o ut h	line and	16	80	feet fro	m the West	line
round level Elev. 6646†	Product	ng Formation		Pool	- F	11 (3)	. 0	Dedicated Acreage:
		nd Sand	by colored as			land Sa	->(160 Acres
	-	dicated to the well, o			•			
					-		_	
	as one lesse of di L force-pooling, e	fferent ownership is tc.?	dedictied to th	6 Well, have the i	nterest of all c	owners been con	solidated by comm	RUBILIZATION,
Y	cs [No if some		pe of consolidation				
If answer is this form if i		es and tract descripts	ons which have	s accountly seem of	mocidated. (Use reverse side	or	
		to the well until all iminating such interes				uzation, unitizat	ion, forced-poolin	g, or otherwise)
4 444 4 4 4		mana, son per	4, 123 0004 4,	proved by the pr	VIII.			
		is reisa	ued				1	OR CERTIFICATION certify that the inform
_		pared by:	İ				1	n in true and complete t
		. L.S.3950	Ì				best of my know	iedge and belief.
dated: J	une 10,	T303					Signature	
							1 1 1 1 1 1 1 1 1	January Commence
				1			Printed Name	
							Peggy Br	<u>adfield</u>
	İ							ry Affairs
							Company	
	ļ						Southlan	d Royalty Co.
	!						March 1,	10.80
	l I	_		i				
		3		······			SURVEY	OR CERTIFICATION
	j			,			I hereby certif	y that the well location .
	ĺ				Ì			as plotted from field no made by me or unde
	!						supervison, an	d that the same is tru
			ļ				Į.	best of my knowledge
	-				 		belief.	2-16-89
			<u> </u>		<u> </u>		Date Surveyed Neale	C. Edwards
	/i			, –	j		Signature & Se	al of
1689	/	, /			!		Professional Su	rveyor
	1	, /	1		1			
	\ 	io /			} 		11	CONT
		22/			İ	一,	Heals (- Elin
L		У			<u> </u>		Certificate No.	6857
						en sec		
330 660 9	90 1320 1650	1989 2310 24	i40 2	000 1500	1000	500 g	1	

BURLINGTON RESOURCES OIL AND GAS COMPANY

Rattlesnake Canyon #1 OFFSET OPERATOR / OWNER PLAT Downhole Commingle

Fruitland Sand / Mesaverde Formations Well

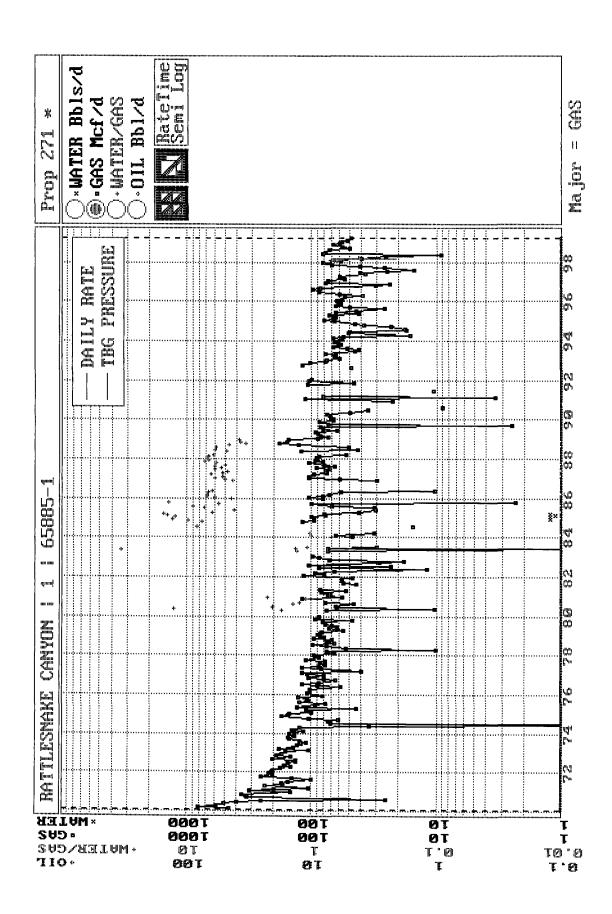
Township 32 North, Range 8 West

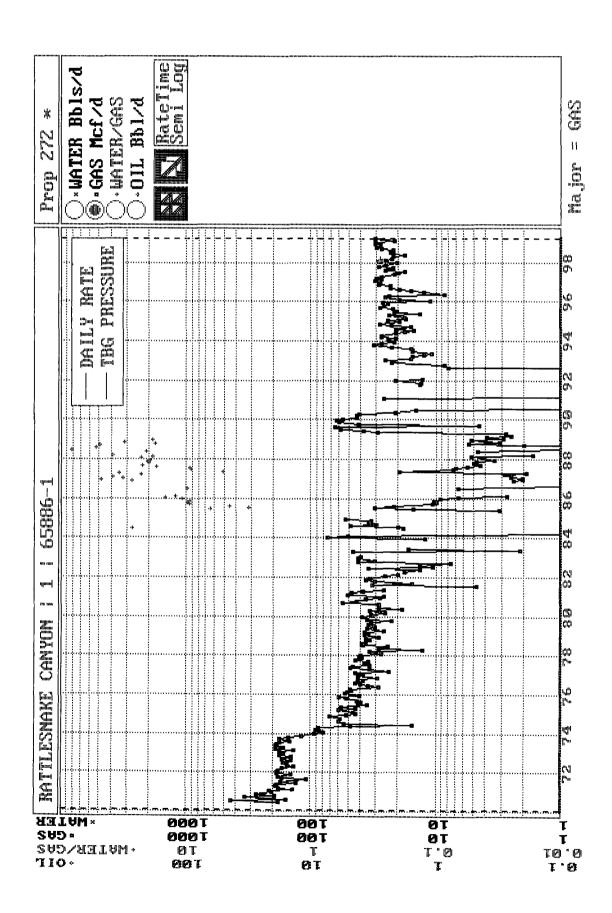


- 1) Burlington Resources
- 2) Koch Explorationc/o Koch Producer Services20 E Greenway PlazaHouston, TX 77046
- 3) Phillips Petroleum Company Attn: Mr. Scott Prather5525 Hwy. 64, NBU 3004 Farmington, NM 87401
- 4) Four Star Oil & Gas Company c/o Texaco Exploration & Production Inc. Attn: Rocky D. Holly Post Office Box 2100 Denver, CO 80201
- Vastar Resources
 Attn: Michael Rodgers
 15375 Memorial Drive
 Houston, TX 77069

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7 \$2 710 7A ⊗	331 6 * •	1 ❤ 1 A ❤	8	2 ** ** ** ** ** ** ** ** ** ** ** ** **	20A ⊕ 20 ⊕	4	22 �
4		2 ©	1 A	333			222 ® 33

Rattlesnake Canyon #1 Sec. 32, T32N, R8W FTS/MV





Rattlesnake Canyon #1 **Bottom Hole Pressures** Flowing and Static BHP **Cullender and Smith Method**

Version 1.0 1/14/98

Mesaverde	Fruitland Sand
MV-Current	FTS-Current
GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 309.1	GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 0.642 0.000 C 0.0000 0.000 0.0000 0.000 0.000 0.000 0.0000 0.000 0.0000 0.0000 0.0000 0.0000 0.00
MV-Original	FTS-Original
GAS GRAVITY 0.586 COND. OR MISC. (C/M) C %N2 0 %CO2 0.02 %H2S 0 DIAMETER (IN) 1.9 DEPTH (FT) 5782 SURFACE TEMPERATURE (DEG F) 60 BOTTOMHOLE TEMPERATURE (DEG F) 150 FLOWRATE (MCFPD) 0 SURFACE PRESSURE (PSIA) 1031 BOTTOMHOLE PRESSURE (PSIA) 1172.7	GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 1557.2

Page No.: 1
Print Time: Fri Jun 04 09:42:40 1999

Property ID: 271

Property Name: RATTLESNAKE CANYON | 1 | 65885-1 MV

Table Name: S:\KELLY\MIKEH\PROJ1\TEST.DBF

<u>DATE</u>	CUM_OIL- Bbl	CUM_GAS Mcf	M_SIWHP Psi	
08/18/69 03/17/70 08/11/71		0 38374 172116		OR14INAL
08/21/72 04/18/73 00/10/74		237979 277679 310549	383.0	
00/10/74 00/10/74 10/10/74		310549 310549 337035	433.0	
02/02/76 07/06/77 08/02/78		391792 438182	342.0 383.0	
10/02/80 05/03/82		468676 516452 550507	333.0	
11/05/84 03/19/86 09/08/89		583323 612979 703039	380.0 321.0	
03/18/91 04/02/91 08/30/93		728388 728389 765035	389.0	2.100 ENT
03/01/99		874193	275.0	CURRENT

Page No.: 1 Print Time: Fri Jun 04 09:42:07 1999

Property ID: 272
Property Name: RATTLESNAKE CANYON | 1 | 65886-1 F5
Table Name: S:\KELLY\MIKEH\PROJ1\TEST.DBF

_:
•

Select By : Completions

Sort By

Pressure Base : None Units : Rounded (y/n) : No

Page No :1 Report Number :R_027 Print Date : 06/04/1999, 10:49:51 &

PROD								GAS	60851111197411111		WATER	WATER	
MO.	Ľ	ST	Ā		PROD	SOL	PROD	SOLD	CNI	PROD	CNI	SUPP	
Well: R	ATTLES	NAKE	CANYON	-									
11/98	PG	Ь	FL	0	0.00	0.00	2,084	0		0		00:00	
12/98	PG	Д	FL	31	0.00	0.00	1,863	0		0		0.00	
Totals:	1998			Totals : 1998	0.00	0.00	3,946.15	0.00		0.00		0.00	
01/99	PG	ፈ	王	31	00'0	0.00	1,767	0		0		0.00	
05/99	PG	4	FL	28	0.00	0.00	1,607	0		0		0.00	
03/99	PG	Ь	FL	31	00.00	0.00	1,494	0		0		0.00	
04/99	PG	Ь	FL	30	0.00	0.00	0	0		0		0.00	
05/60	PG	Ь	FL	31	0.00	0.00	0	0		0		0.00	
66/90	PG	4	FL	30	0.00	0.00	0	0		0		0.00	
Totals:	1999				0.00	0.00	4,867.32	0.00		0.00		0.00	
Totals R	ATTLES	NAKEC	Totals RATTLESNAKE CANYON	> ∑	0.00	0.00	8,813.47	0.00		0.00		0.00	

Select By : Completions

Sort By

Pressure Base: None Units

Rounded (y/n) : No

: 06/04/1999, 10:51:43 A

Page No :1
Report Number : R_027
Print Date : 06/04/19

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 SUPP --- WATER ----0.00 0.00 0 0 0 PROD ì GAS ----0.00 0.00 0 0.00 842 929 1,770.51 925 652 923 4,270.77 2,500.26 PROD 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 SOL --- OIL ----0.00 0.00 0.00 0.00 0.00 0.00 PROD DAYS ON 31 28 31 30 30 Totals RATTLESNAKE CANYON Well: RATTLESNAKE CANYON ST PM FL 肛肛肛肛 耳耳 1998 PG PG ≽ PG Totals: PROD Mo. Totals: 11/98 12/98 01/99 02/99 03/99 04/99 05/99 66/90