TYPE DHC

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2040 South Pacheco, Santa Fe, NM 87505



2126

Date

ADMINISTRATIVE APPLICATION COVERSHEET
THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
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-Sait 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] [A] Location - Spacing Unit - Directional Drilling NSL NSP DD DSD OIL CONSERVATION DELEGATION
Check One Only for [B] or [C]
[B] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR
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 - Certification
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 DRRI) is common. I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken
Note: Statement must be completed by an individual with managerial and/or supervisory capacity.
Print or True Name Stanfield
Print or Type Name Signature Title Date

<u>DISTRICT I</u>

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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107-A

OIL CONSERVATION DIVISION

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS :

<u>DISTRICT II</u>

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

X Administrative _Hearing

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

TYPE OR PRINT NAME Kevin L. Midkiff

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

EXISTING WELLBORE
_X_YES ___NO

BURLINGTON RESOURCES OIL & GAS CO Operator	MPANY PO Box 4289, Farmin Addre		
Jicarilla 150	1 L, Se	ec. 1, T26N, R05W R	lio Arriba County
OGRID NO. <u>14538</u> Property (A 40044 API NO 00 00	Spacing U	nit Lease Types: (čheck 1 or more)
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
Pool Name and Pool Code	Blanco Mesa Verde-72319		Basin Dakota-71599
Top and Bottom of Pay Section (Perforations)	5116'-5650'		7660'-7858'
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	(Current) a. 534 psia @ 5383'	a.	a. 570 psia @ 7759'
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1153 psia @ 5383'	b.	b. 3114 psia @ 7759'
6. Oil Gravity (°API) or Gas BTU Content	1171 Btu		1167 Btu
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 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 data and oil/gas/water water of recent test (within 60 days)	Date: 9/24/98 Rates: 8 MCFD, 0 BOD, 0 BWD	Date: Rates:	Date: 9/24/98 Rates: 172 MCFD, 0 BOD, 0 BWD
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: Will supply after commingling	Oil: Gas:	Oil: Gas: Will supply after commingling
If allocation formula is based submit attachments with support to Are all working overriding and the submit attachments.			
 Are all working, overriding, and if not, have all working, overrid Have all offset operators been 			
	ed, and will the allocation formul	a be reliable. <u>X</u> YesN	s not be damaged, will any cros o (If No, attach explanation)
 Are all produced fluids from all Will the value of production be 	•		
13. Will the value of production be 14. If this well is on, or communit Bureau of Land Management ha			n explanation) Public Lands or the United Stat
15. NMOCD Reference Cases for R			
40 4774011111111111111111111111111111111	to be commingled showing its signer and commingled showing its signer at least one year oduction history, estimated procestion method or formula. I offset operators, orking, overriding, and royalty in ments, data, or documents requi		
I hereby certify that the inform	nation above is true and con	mplete to the best of my kn	owledge and belief.

TELEPHONE NO. <u>(505) 326-9700</u>

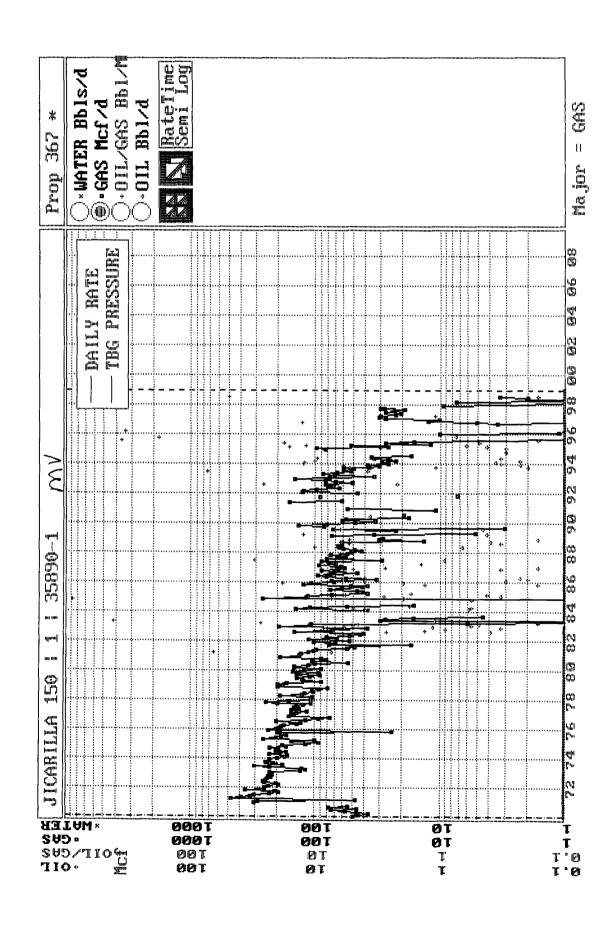
Mynite

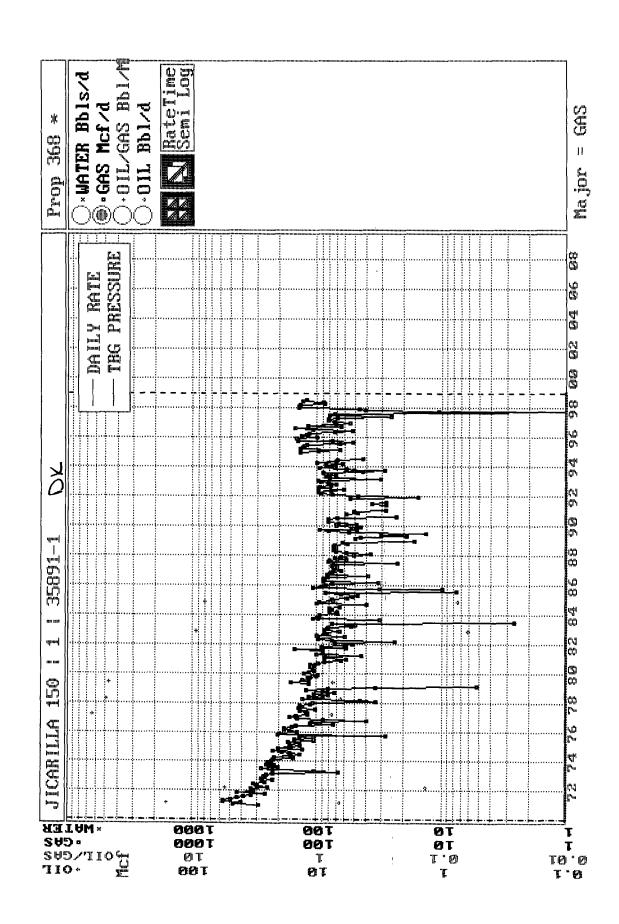
NE. MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

Revised Acreage Plat
All distances must be from the outer boundaries of the Section.

Operator			_ease		Well No.
	ion Productio		Jicarilla "4"		11
Unit Letter L	Section 1	Township 26 North	Ronge 5 West	Rio Arriba	
Actual Footage Loc	ation of Well:	ZO NOFELL	J WEST	ALL METADA	
1665	feet from the Sou			et from the West	line
Ground Level Elev:	Producing For		Pool Basin Dak	- <u>-</u>	Dedicated Acreage: W/2 319.88 Acres
6734 £t.		Mesaverde	Blanco Me	·	<u> </u>
1. Outline th	e acreage dedica	ted to the subject wel	l by colored pencil	or hachure marks on t	he plat below.
	an one lease is nd royalty).	dedicated to the well,	outline each and ide	entify the ownership t	hereof (both as to working
		ifferent ownership is do nitization, force-poolin		have the interests of	all owners been consoli-
Yes	☐ No If an	nswer is "yes," type of	consolidation		
	is "no," list the of	owners and tract descri	ptions which have a	ctually been consolid	ated. (Use reverse side of
	•	ed to the well until all	interests have been	consolidated (by con	munitization, unitization,
forced-pool	_			-	approved by the Commis-
sion.	Blanco Mesav	erde Basi	n Dakota		
:	the second of the second secon		1		CERTIFICATION
\$ • •	Í	:	{		
	1	<u> </u>	1		certify that the information con-
:	1	<u>.</u>	1	I 1	rein is true and complete to the y knowledge and belief.
1 1	1		Ì		Original signed by
	1		ĺ	Norme	GILBERT D. NOLAND, JR.
 	+	 		,	D. Holand, Jr.
	1		1	Position Dell'	ng Superintendent
	1		į	Company	it superincendent
	i		1	2 	m Union Production Co
: 1 : 1	i	Sec.	i	Date	0 107A
	<u> </u>		1		r 9, 1970
	illa Apache				1
Con	tract #150		i	1 hereby	certify that the well location
	1			1 1	this plat was plotted from field
	İ		ļ	i	actual surveys made by me or supervision, and that the same
2001	ļ			1 1	and correct to the best of my
890' 1	1		L L	knowledg	e and belief.
	 			- 71	
	i I			Date Survey	red
16	65° :	Part of the state	ρ,	Monel	17 105/
	I	7800-04		Registered and/or Land	Professional Engineer
	. 1	Section 1	į į		.,
T Y			<u> </u>		
0 330 660	90 1320 1650 1980	2310 2640 2000	' '	Certificate	No.





Page No.: 1
Print Time: Tue Oct 06 07:13:57 1998 Mesa Verde
Property ID: 367
Property Name: JICARILLA 150 | 1 | 35890-1
Table Name: S:\ARIES\KLMWORK\TEST.DBF

DATE	CUM GAS	M SIWHP	
	Mcf	Psi	
09/02/54	0	<u>986.0</u>	Initial
10/23/70	195660	946.0	
09/26/71	280121	709.0	
04/17/72	332388	554.0	
05/17/73	416327	591.0	
06/02/74	501279	496.0	
05/03/76	623253	444.0	
05/18/78	723831	458.0	
07/25/80	822458	505.0	
04/09/82	880912	405.0	
05/02/84	921297	564.0	
04/23/86	965676	567.0	
11/29/89	1039621	603.0	
05/01/91	1056352	671.0	
05/15/91	1056357	659.0	
06/01/93	1105113	472.0	
08/31/98			Devides December Comp Con Charge
0 93.1.10	1139050	456	Based on Pressure vs. Cum Gas Curve

Page No.: 2
Print Time: Tue Oct 06 07:13:57 1998
Property ID: 368
Property Name: JICARILLA 150 | 1 | 35891-1
Table Name: S:\ARIES\KLMWORK\TEST.DBF

<u>DATE</u>	CUM_GAS Mcf	M_SIWHP Psi	
10/15/70	0	2507.0	Initial
10/25/71	139024	1275.0	•
03/17/72	190095	1164.0	
05/17/73	293069	1232.0	
05/03/75	433624	1041.0	
04/17/77	527082	920.0	
06/01/79	604068	939.0	
09/25/81	686093	689.0	
04/17/83	729354	866.0	
07/03/85	782737	671.0	
01/13/88	843403	632.0	
09/03/92	929041	522.0	
08/31/98	1103807	475	Based on Pressure vs. Cum Gas Curve

Jicarilla 150 #1 Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method

Version 1.0 3/13/94

Mesaverde	Dakota
MV-Current	<u>DK-Current</u>
GAS GRAVITY 0.688 COND. OR MISC. (C/M) M %N2 0.47 %CO2 0.9 %H2S 0 DIAMETER (IN) 4.408 DEPTH (FT) 5383 SURFACE TEMPERATURE (DEG F) 60 BOTTOMHOLE TEMPERATURE (DEG F) 159 FLOWRATE (MCFPD) 0 SURFACE PRESSURE (PSIA) 468 BOTTOMHOLE PRESSURE (PSIA) 534.2	GAS GRAVITY 0.687 COND. OR MISC. (C/M) M %N2 0.61 %CO2 0.89 %H2S 0 DIAMETER (IN) 4.408 DEPTH (FT) 7759 SURFACE TEMPERATURE (DEG F) 60 BOTTOMHOLE TEMPERATURE (DEG F) 202 FLOWRATE (MCFPD) 0 SURFACE PRESSURE (PSIA) 475 BOTTOMHOLE PRESSURE (PSIA) 570.3
MV-Original	DK-Original
GAS GRAVITY 0.688 COND. OR MISC. (C/M) M %N2 0.47 %CO2 0.9 %H2S 0 DIAMETER (IN) 4.408 DEPTH (FT) 5383 SURFACE TEMPERATURE (DEG F) 60 BOTTOMHOLE TEMPERATURE (DEG F) 159 FLOWRATE (MCFPD) 0 SURFACE PRESSURE (PSIA) 998 BOTTOMHOLE PRESSURE (PSIA) 1153.3	GAS GRAVITY COND. OR MISC. (C/M) %N2 0.61 %CO2 0.89 %H2S 0 DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 3114.3

FARMINGTON	ANNUAL	PRODUCTION	FOR	35890	PHS020M1

FARMINGION		111111021				
JICARILLA 1				(EGN.:=0DE GOV	_	
BLANCO MESA	AVERDE (PROR	ATED GAS F	TEPD [MESAVERDE ZON	Ľ	
===== OIL	COM =====	===	=== GAS CUM	======	==== WATER	CUM =====
PC DATE	BBLS	PC	DATE	MCF	DATE	BBLS
02 6912		01	6912	180788		
YEAR	-======== OIL	OIL CUM	GAS	GAS CUM	======================================	WATER CUM
1990	112	790	9275	1051372	WIII ZIX	53
1991	112	790	9899	1061271		53
·	6.7					
1992	67	857	31984	1093255		53
1993	132	989	20248	1113503		53
1994	47	1036	8368	1121871		53
1995	86	1122	7129	1129000		53
1996	5	1127	1313	1130313		53
1997	1	1128	8210	1138523		53
1998	5	1133	527	1139050		53

POSITION CURSOR BY YEAR AND PRESS ENTER TO DISPLAY MONTHLY PRODUCTION

ENTER - CONTINUES ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF6 - RETURN TO WELL-INFO DISPLAY

PF9 - ANNUAL INJECTION DISPLAY

PF10 - HELP INFORMATION

00/00/00 00:00:00:0 D03 10/26/84

FARMINGTON 1998 MONTHLY PRODUCTION FOR 35890

PHS030M1

JICARILLA 150 1

BLANCO MESAVERDE (PRORATED GAS FIELD MESAVERDE ZONE

			DAYS	=====	OIL ===	====	=====	======	GAS	=====	======			•
МО	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	С
1	2	F	31	02			01	18	31	1196	15.025			
2	2	F	28	02			01		28		15.025			
3	2	F	31	02			01	227	31	1171	15.025			
4	2	F	30	02		42.5	01	2	30	1171	15.025			
5	2	F	31	02			01	62	31	1171	15.025			
6	2	F	30	02			01	61	30	1171	15.025			
7	2	F	26	02	5		01	101	26	1171	15.025			
8	2	F	31	02			01	56	31	1171	15.025			
9														
10														
11														
12														

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

00/00/00 00:00:00:0 PRS 10/03/98

•					•		
FARMINGTON			ANNUA	L PRODUCTIO	N FOR 35891		PHS020M1
JICARILLA 150) 1						
BASIN DAKOTA	(PRORATED	GAS)	FIEL	D	DAKOTA ZONE		
===== OIL CU	JM =====		===	=== GAS CUM	======	==== WATER	CUM ====
PC DATE	BBLS		PC	DATE	MCF	DATE	BBLS
02 6912			01	6912			
===========	========	====	=====	=======================================		==========	=========
YEAR	OIL	OIL	CUM	GAS	GAS CUM	WATER	WATER CUM
1990			934	20758	901052		25
1991			934	5814	906866		25
1992			934	29725	936591		25
1993			934	24770	961361		25
1994			934	19611	980972		- 25
1995			934	39922	1020894		25
1996			934	35438	1056332		25
1997			934	17765	1074097		25
1998			934	29710	1103807		25

POSITION CURSOR BY YEAR AND PRESS ENTER TO DISPLAY MONTHLY PRODUCTION

ENTER - CONTINUES ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF6 - RETURN TO WELL-INFO DISPLAY

PF9 - ANNUAL INJECTION DISPLAY

PF10 - HELP INFORMATION

00/00/00 00:00:00:0 D03 10/26/84

FARMINGTON 1998 MONTHLY PRODUCTION FOR 35891

PHS030M1

JICARILLA 150 1

BASIN DAKOTA (PRORATED GAS) FIELD DAKOTA ZONE

			DAYS	======	OIL ===:	====	=======	=====	GAS	=====	======			•
МО	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	С
1	2	F					01	4319	31	1164	15.025			
2	2	F					01	4292	28	1164	15.025			
3	2	F					01	4176	31	1167	15.025			
4	2	F					01	2652	30	1167	15.025			
5	2	F					01	2704	31	1167	15.025			
6	2	F					01	4027	30	1167	15.025			
7	2	F					01	3742	26	1167	15.025			
8	2	F					01	3798	31	1167	15.025			
9														
10														
11														
12														

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INT

PF10 - HELP INFORMATION

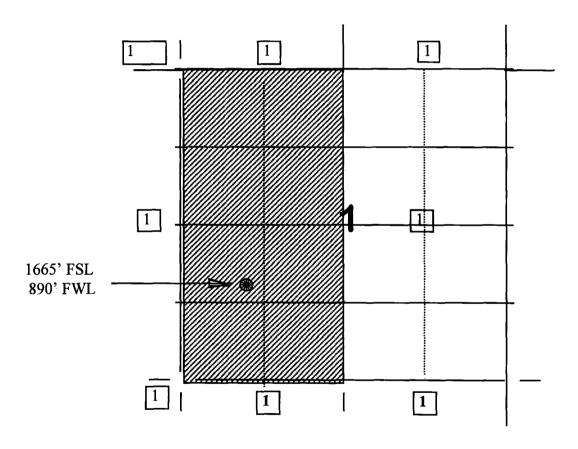
PF9 - DISPLAY MONTHLY INJECTION

00/00/00 00:00:00:0 PRS 10/03/98

BURLINGTON RESOURCES OIL AND GAS COMPANYJicarilla 150 #1

OFFSET OPERATOR/OWNER PLAT Mesaverde/Dakota Formations Commingle well

Township 26 North, Range 5W West



1) Burlington Resources

5 J 43		145 20 ^O	SJ 136 O	147 SJ 36 ☆	SJ 66 O	
O SH ST	SJ SJ 144 12 GQ	\$J 159 O	\$1 \$1 146 \$1 146 \$1			\$ 1 \$JOO 48
BE O JIC APACHE TRI AXI APACHE		JIC 150 8 O	JIC 150 1C 150 3 JIC 1A O O JIC 15	JIC 150 150 2R 9 0	NORTH JIC 1193N JI ² 2110 OSA O	N
JIC APĄCHE TRI 8 PO AXI 1A	JIC G 6 O BAL 151	JIC 150 BA		JIC 150 JIC 150 11 9A O	JIC 119 N NORTHW C C T	6 4E 8 4A
JIC APACHE T 2 JII AXI APACHE K 5 O	1504A	JIC 150 7R JIC 150 O 7 O	JIC 150 5M O	JIC 150 O JIC	JIC 119 N 119 N 10A 11	1 ‡
AXI APACHE P 5A 1E O JIC APACHE TRI	JIC 150 Q O BAL 151	1 JIC 150 7M ₩	JIC ₅ 150 12) - JIC 150 10M -☆	O 10 JIC 119 N	7
		JIC C O GA O O	JIC 108 14 O	JIC C 8A O JIC 108 13	JIC 103 11 O	

Jicarilla 150 #1 Sec 1 T26N, R5W Mesaverde/Dakota