

DATE IN 9/23/98	SUSPENSE 10/13/98	ENGINEER DC	LOGGED BY JW	TYPE DHC
-----------------	-------------------	-------------	--------------	----------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2040 South Pacheco, Santa Fe, NM 87505



2114

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-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

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

[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 - Certification

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 (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 Type Name

Signature

Title

Date

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

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS :

☒ Administrative ☐ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☐ YES ☒ NO

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

San Juan 27-4 Unit

3A

M 15-27N-04W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7452 API NO. 30-039-25915 Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Mesaverde - 72319		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	(Current) a. 842	a.	a. 1110
Oil Zones - Artificial Lift: Estimated Current	(Original) b. 1214	b.	b. 2308
Gas & Oil - Flowing: Measured Current			
All Gas Zones: Estimated or Measured Original			
6. Oil Gravity (°API) or Gas BTU Content	BTU 1206		BTU 1147
7. Producing or Shut-In?	Shut-in		Shut-in
Production Marginal? (yes or no)	no		yes
* If Shut-In and oil/gas/water rates of last production	Date: n/a Rates:	Date: 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 of recent test (within 60 days)	Date: n/a Rates:	Date: 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: %	Oil: % Gas: % will be supplied upon completion

9. 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? ☐ Yes ☒ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☒ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No
11. Will cross-flow occur? ☒ 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. ☒ Yes ☐ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No
13. Will the value of production be decreased by commingling? ☐ Yes ☒ 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. ☒ 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 all offset operators.
 - * 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 Jennifer Dobson TITLE Production Engineer DATE 08-17-98TYPE OR PRINT NAME Jennifer Dobson TELEPHONE NO. (505) 326-9700

DISTRICT I

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

DISTRICT II

811 South First St., Artesia, NM 88210-2635

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-8429Form C-107-A
New 3-12-96

APPROVAL PROCESS :

☒ Administrative ☐ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☐ YES ☒ NO

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

San Juan 27-4 Unit

3A

M 15-27N-04W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7452 API NO. 30-039-25915 Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Mesaverde - 72319		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	(Current) a. 842	a.	a. 1110
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1214	b.	b. 2308
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	BTU 1206		BTU 1147
7. Producing or Shut-in?	Shut-in		Shut-in
Production Marginal? (yes or no)	no		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: n/a Rates:	Date: Rates:	Date: n/a Rates:
* If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: n/a Rates:	Date: 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: %	Oil: % Gas: % will be supplied upon completion

9. 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? ☐ Yes ☒ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☒ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No11. Will cross-flow occur? ☒ 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. ☒ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ 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. ☒ 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 all offset operators.
- * 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 Jennifer Dobson TITLE Production Engineer DATE 08-17-98TYPE OR PRINT NAME Jennifer Dobson TELEPHONE NO. (505) 326-9700

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brancos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name SAN JUAN 27-4 UNIT			6 Well Number # 3A
7 OGRID No.		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			9 Elevation 6864

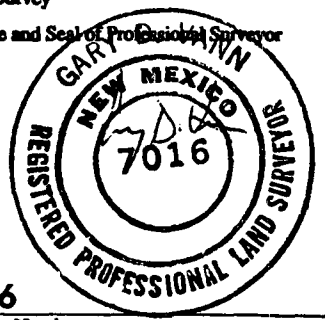
10 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	15	27 N	4 W		2145	SOUTH	630	EAST	RIO ARriba

11 Bottom Hole Location If Different From Surface

12 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
13 Dedicated Acres		14 Joint or Infill		15 Consolidation Code		16 Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

5280'(R) 16 5280'(R) 5280'(R) 5273'(R) 15 NMSF - 080674 5280'(R) 630' 2145'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature _____ Printed Name _____ Title _____ Date _____
	18 SURVEYOR CERTIFICATION 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 belief. April 29, 1998 Date of Survey _____ Signature and Seal of Professional Surveyor _____
	
	7016 Certificate Number

SJ 27-4 #3A**Bottom Hole Pressures****Cullender and Smith Method**

Version 1.0 3/13/94

*Parent Well***Mesaverde****MV-Current**

GAS GRAVITY	0.694
COND. OR MISC. (C/M)	C
%N2	0.18
%CO2	0.88
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	6119
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	127
FLOWRATE (MCFPD)	278
SURFACE PRESSURE (PSIA)	713
BOTTOMHOLE PRESSURE (PSIA)	842.0

*Parent Well***Dakota****DK-Current**

GAS GRAVITY	0.662
COND. OR MISC. (C/M)	C
%N2	0.14
%CO2	1.31
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	8073
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	149
FLOWRATE (MCFPD)	672
SURFACE PRESSURE (PSIA)	897
BOTTOMHOLE PRESSURE (PSIA)	1109.8

MV-Original

GAS GRAVITY	0.694
COND. OR MISC. (C/M)	C
%N2	0.18
%CO2	0.88
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	6119
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	127
FLOWRATE (MCFPD)	278
SURFACE PRESSURE (PSIA)	1019
BOTTOMHOLE PRESSURE (PSIA)	1213.7

DK-Original

GAS GRAVITY	0.662
COND. OR MISC. (C/M)	C
%N2	0.14
%CO2	1.31
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	8073
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	149
FLOWRATE (MCFPD)	672
SURFACE PRESSURE (PSIA)	1837
BOTTOMHOLE PRESSURE (PSIA)	2308.0

Page No.: 2
 Print Time: Wed Aug 12 09:27:50 1998
 Property ID: 1280
 Property Name: SAN JUAN 27-4 UNIT | 7 | 49580A-1 *OK*
 Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF

--DATE--	---CUM_GAS--	M FWHP-	M FBHP-	M SIWHP	M SIBHP
	Mc	Psi	Psi	Psi	Psi
06/26/56	0	0.0	<i>avg</i>	1837.0	2199.0
08/02/56	0			1836.0	
06/14/59	85000			1242.0	
09/22/60	116000			1244.0	
06/13/61	138000			1186.0	
07/31/62	188000			1038.0	
01/07/63	207000			1078.0	
01/02/64	244000			1091.0	
07/29/65	312000			998.0	
08/01/66	354000			693.0	
08/04/67	398000			936.0	
09/23/68	448000			944.0	
06/09/70	521759	479.0		710.0	837.0
07/30/71	565772	439.0		711.0	838.0
05/30/72	595584	364.0		929.0	1099.0
06/09/75	712411	266.0		912.0	1079.0
08/01/77	807884	247.0		887.0	1049.0
10/15/79	890610	279.0		879.0	1039.0
11/02/81	957297	385.0		897.0	1061.0
09/22/83	993331	288.0		970.0	1149.0
01/06/86	1049929	251.0	<i>curr</i>	897.0	1061.0

DK

	MOL %	GPM (AT 14.73)
HYDROGEN	_____	
HELIUM	_____	
NITROGEN	__0.14	
OXYGEN	_____	
HYDROGEN SULFIDE	_____	
CARBON DIOXIDE	__1.31	
METHANE	__87.62	
ETHANE	__6.55	1.7521
PROPANE	__2.21	0.6091
ISO-BUTANE	__0.52	0.1701
N-BUTANE	__0.58	0.1829
ISO-PENTANE	__0.32	0.1171
N-PENTANE	__0.23	0.0833
HEXANE	_____	
HEXANE PLUS	__0.52	0.2269
HEPTANE PLUS	_____	
TOTALS	100.00	3.1415

** DATA AT 14.730 PSIG UNLESS NOTED **

MP NUMBER 71408
EFFECTIVE DATE 19980601

-- GASOLINE CONTENT (GPM) --
26/70 GASOLINE _____
100% PROPANE _____
EXCESS BUTANES _____
TOTAL

----- SPECIFIC GRAVITY -----
CALCULATED - _0.6620
MEASURED _____

SULPHUR GRAINS / 100 CU FT _____

03=MAIN SCREEN

24=HELP

PA1=TERMINATE

. REQUESTED RECORD NOT FOUND (NEXT RECORD DISPLAYED)

. OPR008M1 3119 O008 CHROMATOGRAPH TEST MAIN SCREEN

10:04:53.5 08/12/98

FUNCTION (A,C,D,I) I ** DATA AT TEST PRESSURE UNLESS NOTED **
MP NUMBER 71408 SAN JUAN 27-4 UNIT 7 DK
EFFECTIVE DATE 19980601
REGION CD 42 SAN JUAN
MP TYPE CODE 10 GAS METER - WELLHEAD SALES

SAMPLE TYPE CODE (GAS,LIQ,BTU) GAS ----- BTU/CF -----
SAMPLE DATE 19980601 --- (AT 14.73 PSIG) --
SAMPLE LINE PRESSURE (PSIG) _____ WET 1127.058 DRY 1147.000
SAMPLE LINE TEMPERATURE (DEG F) _____
TEST DATE _____ ----- BTU/CF -----
TEST PRESSURE (PSIG) _14.730 WET _1127.058 DRY _1147.000
TEST TEMPERATURE (DEG F) 60 VAPOR FACTOR _____
TEST LIFE (MONTHS) _6
TESTER SOURCE BA NUMBER 038689 PETROLEUM LAND CORP
TEST PURPOSE CODE _____

03=DETAIL SCR 04=MP-NM BRWS 06=MP/DS LST 07=MP/WN LST
11=PREV SCR 12=MAIN MENU 20=NEXT REC
21=REFRESH SCR 22=PREV MENU 24=HELP PA1=TERMINATE _____

Page No.: 1

Print Time: Wed Aug 12 09:27:49 1998

Property ID: 1237

Property Name: SAN JUAN 27-4 UNIT | 3 | 49495A-1 *MV*

Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF

--DATE--	---CUM_GAS--	M FWHP-	M FBHP-	M SIWHP	M SIBHP
■■■■■■■■■■	■■■■■■■■■■Mcf■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■	■■■■■■■■■■Psi■■■■■■■■■■

08/30/56	3000			1019.0	<i>Orig</i>
11/06/58	15000			618.0	
11/22/59	17000			584.0	
06/14/60	18000			597.0	
06/13/61	20000			508.0	
07/31/62	22000			514.0	
06/16/65	22000			734.0	
07/18/67	0	0.0		894.0	0.0
11/13/67	25000			1019.0	
05/15/68	28000			988.0	
05/21/70	40830	429.0		817.0	0.0
04/30/71	45415	375.0		907.0	0.0
05/02/72	50961	376.0		782.0	0.0
11/24/81	92302			777.0	
04/07/86	106380	288.0		1032.0	0.0
09/05/89	126167	345.0		498.0	0.0
09/19/91	127696	334.0		725.0	0.0
12/16/91	129422			713.0	<i>Current</i>

	MOL %	GPM (AT 14.73)
HYDROGEN	_____	
HELIUM	_____	
NITROGEN	___0.18	
OXYGEN	_____	
HYDROGEN SULFIDE	_____	
CARBON DIOXIDE	___0.88	
METHANE	___84.22	
ETHANE	___8.42	2.2524
PROPANE	___3.31	0.9122
ISO-BUTANE	___0.68	0.2224
N-BUTANE	___0.91	0.2869
ISO-PENTANE	___0.36	0.1317
N-PENTANE	___0.28	0.1014
HEXANE	_____	
HEXANE PLUS	___0.76	0.3316
HEPTANE PLUS	_____	
TOTALS	100.00	4.2386

** DATA AT 14.730 PSIG UNLESS NOTED **

MP NUMBER 71315
EFFECTIVE DATE 19980501

-- GASOLINE CONTENT (GPM) --
26/70 GASOLINE _____
100% PROPANE _____
EXCESS BUTANES _____
TOTAL

----- SPECIFIC GRAVITY -----
CALCULATED _0.6940
MEASURED _____

SULPHUR GRAINS / 100 CU FT _____

03=MAIN SCREEN

24=HELP

PA1=TERMINATE

REQUESTED RECORD NOT FOUND (NEXT RECORD DISPLAYED)

0008 CHROMATOGRAPH TEST MAIN SCREEN

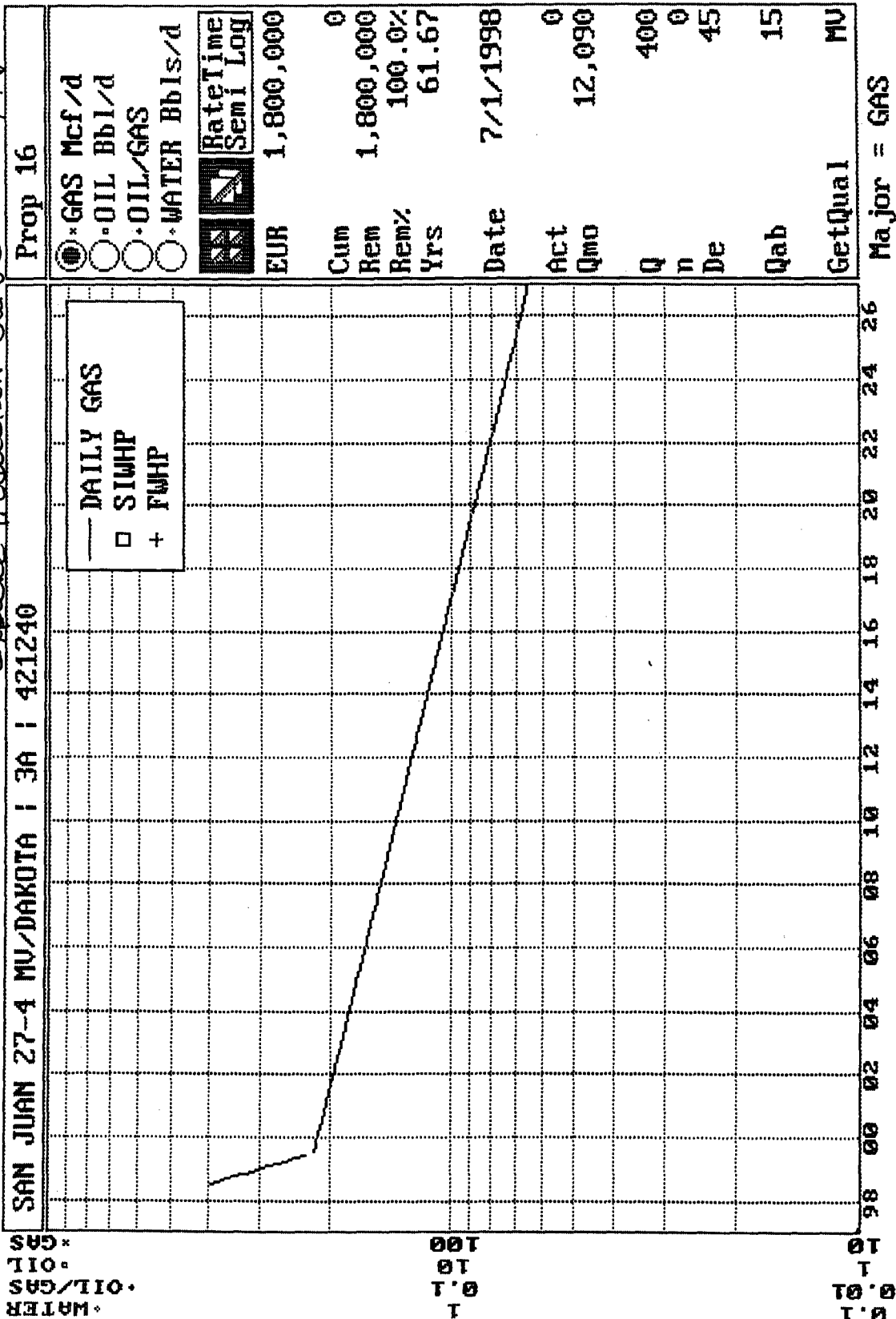
10:04:23.7 08/12/98

FUNCTION (A,C,D,I)	I	** DATA AT TEST PRESSURE UNLESS NOTED **
MP NUMBER	71315	SAN JUAN 27-4 UNIT 3 <i>mw</i>
EFFECTIVE DATE	19980501	
REGION CD	42	SAN JUAN
MP TYPE CODE	10	GAS METER - WELLHEAD SALES

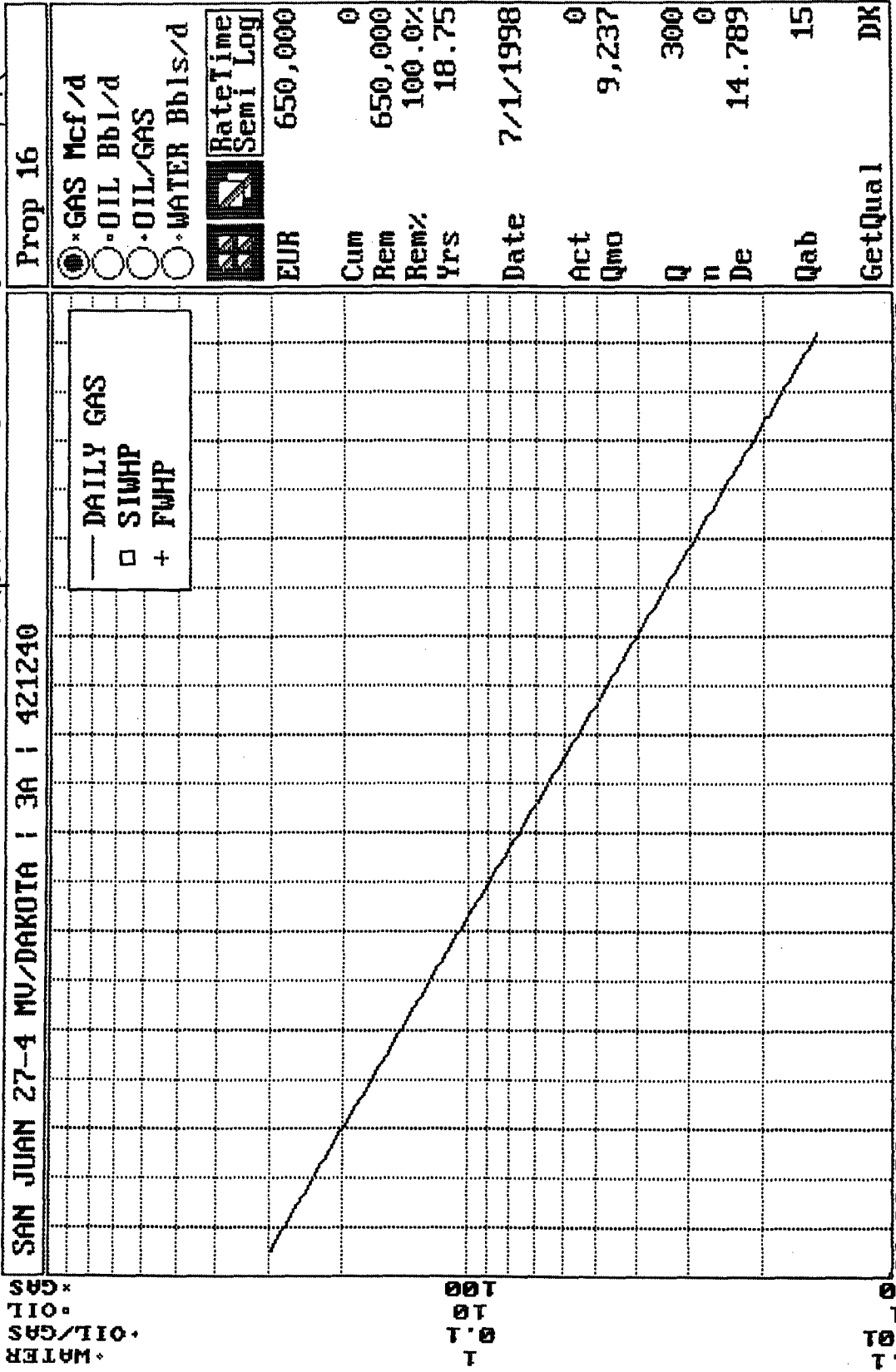
SAMPLE TYPE CODE (GAS, LIQ, BTU)	GAS	----- BTU/CF -----
SAMPLE DATE	19980501	--- (AT 14.73 PSIG) --
SAMPLE LINE PRESSURE (PSIG)	_____	WET 1185.032 DRY 1206.000
SAMPLE LINE TEMPERATURE (DEG F)	_____	
TEST DATE	_____	----- BTU/CF -----
TEST PRESSURE (PSIG)	<u>14.730</u>	WET <u>1185.032</u> DRY <u>1206.000</u>
TEST TEMPERATURE (DEG F)	60	VAPOR FACTOR _____
TEST LIFE (MONTHS)	<u>6</u>	
TESTER SOURCE BA NUMBER	038689	PETROLEUM LAND CORP
TEST PURPOSE CODE		

```
03=DETAIL SCR      04=MP-NM BRWS      06=MP/DS LST      07=MP/WN LST
11=PREV SCR        12=MAIN MENU          20=NEXT REC
21=REFRESH SCR     22=PREV MENU          24=HELP          PA1=TERMINATE
```

Expected Production Curve MV



Expected Production Curve DK



Major = GAS

SAN JUAN 27-4 UNIT

PROP #	INT TYPE	NAME
MESAVERDE	GW	CINCO GENERAL PARTNERSHIP
MESAVERDE	NPI	BURLINGTON RESOURCES O&G CO
MESAVERDE	NWI	BEDROCK LIMITED PARTNERSHIP
MESAVERDE	NWI	BURLINGTON RESOURCES O&G CO
MESAVERDE	NWI	HARCO LTD PTSH
MESAVERDE	NWI	JAMES V HARRINGTON
MESAVERDE	NWI	MARY JONE CHAPPELL
MESAVERDE	NWI	ROMERO FAMILY LTD PARTNERSHIP
MESAVERDE	NWI	TEMPE LTD PARTNERSHIP
MESAVERDE	ORRI	AMALIA S SANCHEZ
MESAVERDE	ORRI	BEDROCK LIMITED PARTNERSHIP
MESAVERDE	ORRI	DEREK PETER VENEZIA
MESAVERDE	ORRI	EDNA E MORRELL LIVG TRUST
MESAVERDE	ORRI	ELEANOR G HAND
MESAVERDE	ORRI	GERALD F HARRINGTON
MESAVERDE	ORRI	HARCO LTD PTSH
MESAVERDE	ORRI	JAMES V HARRINGTON
MESAVERDE	ORRI	JOHN C MEADOWS
MESAVERDE	ORRI	JOSEPH R ABRAHAM
MESAVERDE	ORRI	LESLIE C TATUM
MESAVERDE	ORRI	LMA ROYALTIES LTD
MESAVERDE	ORRI	MANUEL A SANCHEZ TRUST
MESAVERDE	ORRI	MARY F ROBERTS
MESAVERDE	ORRI	MARY JO WELLS
MESAVERDE	ORRI	MARY JONE CHAPPELL
MESAVERDE	ORRI	MIKE C ABRAHAM TRUSTEE
MESAVERDE	ORRI	MISS M F ABRAHAM
MESAVERDE	ORRI	PATRICIA ANN ASHBURN
MESAVERDE	ORRI	PATRICIA P SCHIEFFER
MESAVERDE	ORRI	ROBBYE F BAKER
MESAVERDE	ORRI	ROBERT P & ANNA D EARNEST TR
MESAVERDE	ORRI	ROBERT S TATUM
MESAVERDE	ORRI	SCOTT ANTHONY VENEZIA
MESAVERDE	ORRI	TEMPE LTD PARTNERSHIP
MESAVERDE	ORRI	U/W FOSTER MORRELL DECD
MESAVERDE	ORRI	UNION OIL CO OF CALIF
MESAVERDE	RI	JUAN R MONTANO
MESAVERDE	RI	MINERALS MANAGEMENT SERVICE
MESAVERDE	RI	WILLIAM B GREENE

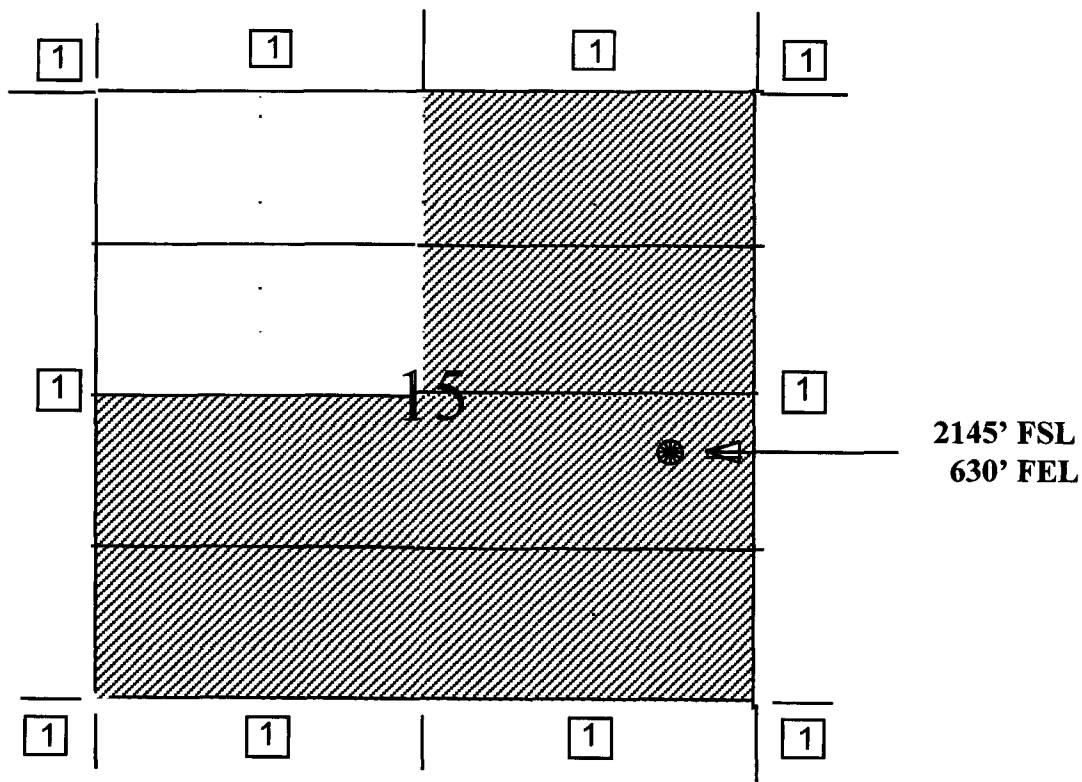
BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 27-4 Unit #3A

**OFFSET OPERATOR \ OWNER PLAT
Nonstandard Location**

Mesaverde (E/2) / Dakota (S/2) Formations Well

Township 27 North, Range 4 West



1) Burlington Resources

SAN JUAN 27-4 UNIT

PROP #	INT TYPE	NAME
DAKOTA	GW	CINCO GENERAL PARTNERSHIP
DAKOTA	NPI	BURLINGTON RESOURCES O&G CO
DAKOTA	NWI	BEDROCK LIMITED PARTNERSHIP
DAKOTA	NWI	BURLINGTON RESOURCES O&G CO
DAKOTA	NWI	HARCO LTD PTSH
DAKOTA	NWI	JAMES V HARRINGTON
DAKOTA	NWI	MARY JONE CHAPPELL
DAKOTA	NWI	TEMPE LTD PARTNERSHIP
DAKOTA	ORRI	AMALIA S SANCHEZ
DAKOTA	ORRI	BEDROCK LIMITED PARTNERSHIP
DAKOTA	ORRI	DEREK PETER VENEZIA
DAKOTA	ORRI	EDNA E MORRELL LIVG TRUST
DAKOTA	ORRI	ELEANOR G HAND
DAKOTA	ORRI	GERALD F HARRINGTON
DAKOTA	ORRI	HARCO LTD PTSH
DAKOTA	ORRI	JAMES V HARRINGTON
DAKOTA	ORRI	JOHN C MEADOWS
DAKOTA	ORRI	JOSEPH R ABRAHAM
DAKOTA	ORRI	LESLIE C TATUM
DAKOTA	ORRI	LMA ROYALTIES LTD
DAKOTA	ORRI	MANUEL A SANCHEZ TRUST
DAKOTA	ORRI	MARY F ROBERTS
DAKOTA	ORRI	MARY JO WELLS
DAKOTA	ORRI	MARY JONE CHAPPELL
DAKOTA	ORRI	MIKE C ABRAHAM TRUSTEE
DAKOTA	ORRI	MISS M F ABRAHAM
DAKOTA	ORRI	PATRICIA ANN ASHBURN
DAKOTA	ORRI	PATRICIA P SCHIEFFER
DAKOTA	ORRI	ROBBY F BAKER
DAKOTA	ORRI	ROBERT P & ANNA D EARNEST TR
DAKOTA	ORRI	ROBERT S TATUM
DAKOTA	ORRI	SCOTT ANTHONY VENEZIA
DAKOTA	ORRI	TEMPE LTD PARTNERSHIP
DAKOTA	ORRI	U/W FOSTER MORRELL DECD
DAKOTA	ORRI	UNION OIL CO OF CALIF
DAKOTA	RI	JUAN R MONTANO
DAKOTA	RI	MINERALS MANAGEMENT SERVICE
DAKOTA	RI	WILLIAM B GREENE

DATE: April 02, 1998

NAME: SAN JUAN 27-4 UNIT 3A

FMT: MESAVERDE

LOCATION

UNIT: M

SEC: 15

TWN: 27N

RNG: 04W

LEGEND

FIRST DELIVERY DATA

WELL NAME

CUM(MMCF)-EUR

10/85 San Juan 27-4 Unit 28A 463/2012 (97)	5/82 San Juan 27-4 Unit 140 432/478 (97)	5/82 San Juan 27-4 Unit 139 119/2085 (97)
6/81 San Juan 27-4 Unit 98 774/2411 (97)	4/81 San Juan 27-4 Unit 140 432/478 (97)	6/80 San Juan 27-4 Unit 134 986/2064 (97)
6/61 San Juan 27-4 Unit 28 697/1768 (97)	4/81 San Juan 27-4 Unit 98 774/2411 (97)	6/80 San Juan 27-4 Unit 134 986/2064 (97)
6/61 San Juan 27-4 Unit 33 307/938 (96)	4/81 San Juan 27-4 Unit 98 774/2411 (97)	6/80 San Juan 27-4 Unit 134 986/2064 (97)
11/59 San Juan 27-4 Unit 22 780/1613 (97)	5/82 San Juan 27-4 Unit 141 1276/1859 (97)	3/79 San Juan 27-4 Unit 99 675/2942 (97)
5/83 San Juan 27-4 Unit 32 359/807 (97)	5/82 San Juan 27-4 Unit 143 961/1560 (97)	5/82 San Juan 27-4 Unit 142 1441/2433 (97)
9/77 San Juan 27-4 Unit 109 672/1190 (97)	5/83 San Juan 27-4 Unit 149 1367/2629 (97)	9/82 San Juan 27-4 Unit 145 1447/2038 (97)

DATE: February 09, 1998
 NAME: San Juan 27-4 Unit 3A
 FORM: DAKOTA
 LOCATION
 UNIT: M
 SEC: 15
 TWN: 27N
 RNG: 4W

LEGEND
 WELL STATUS
 COMPLETION DATE
 WELL NAME
 CUM(MMCF)-EUR

[9] 12/56 ★ San Juan 27-4 Unit 7 672/1221	[10] P&A 5/75 ★ San Juan 27-4 Unit 98 8/46	[11]
P&A 3/74 ★ San Juan 27-4 Unit 71 [16] 191/312	[15] 	[14]
6/72 ★ San Juan 27-4 Unit 60 431/452 [21] 12/71 ★ San Juan 27-4 Unit 56 236/255	[22]	[23]

T 27
N