

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 28-4 Unit**36****N 29-28N-04W****Rio Arriba**

Lease

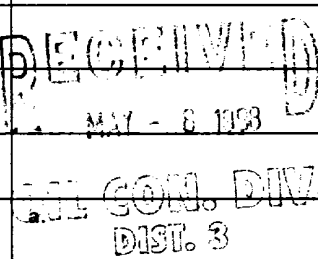
Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7459 API NO. 30-039-20674 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		8502' - 8672'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	(Current) Est. a. 613		a. 1323
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) Est. b. 1365	b.	b. 2744
6. Oil Gravity (°API) or Gas BTU Content	BTU (Est.) 1172		BTU 1058
7. Producing or Shut-In?	Not yet completed		producing
Production Marginal? (yes or no)	yes		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

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-1
Revised February 21, 19
Instructions on ba
Submit to Appropriate District Offi
State Lease - 4 Cop:
Fee Lease - 3 Cop:

District II
PO Drawer 00, Artesia, NM 88211-0719

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-20674		Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7459	Property Name SAN JUAN 28-4 UNIT		Well Number 36
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 7305'

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
N	29	28N	4W		700	SOUTH	1470	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres MV-S/320 DK-W/320	Joint or Infill	Consolidation Code	Order No.
---	-----------------	--------------------	-----------

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

Not resurveyed, prepared
from a plat dated 6-04-73
by David O. Vilven.

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein
is true and complete to the best of my knowledge and belief.

Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

March 12, 1998

Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this
was plotted from field notes of actual surveys made by
or under my supervision and that the same is true and
correct to the best of my belief.

MARCH 10, 1998

Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
68870
PROFESSIONAL SURVEYOR
Certificate No. 68870

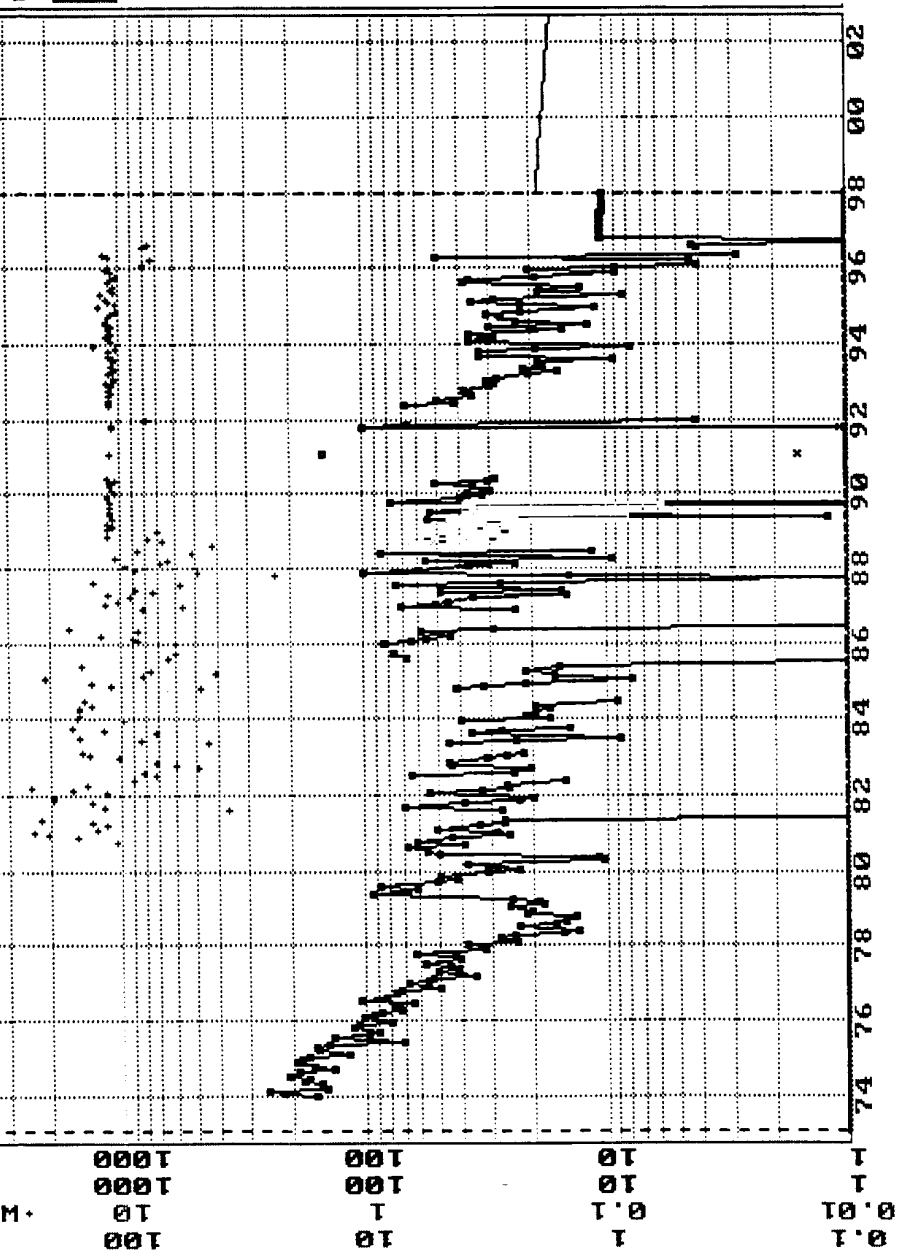
• OIL
• WATER/GAS
• GAS
• WATER

SAN JUAN 28-4 UNIT : 36 : 44522A-1 Current ~~Production~~

Prop 1759 *

- • WATER Bbls/d
- • GAS Mcf/d
- • WATER/GAS
- • OIL Bbl/d
- ▣ Rate
- ▤ Time
- ▥ Semi
- ▦ Log

— DAILY RATE
— TBG PRESSURE



Prop 21 *

- ☐ WATER Bbls/d
- ☒ GAS Mcf/d
- ☐ WATER/GAS
- ☐ OIL Bbl/d

RateTime
Semi Log

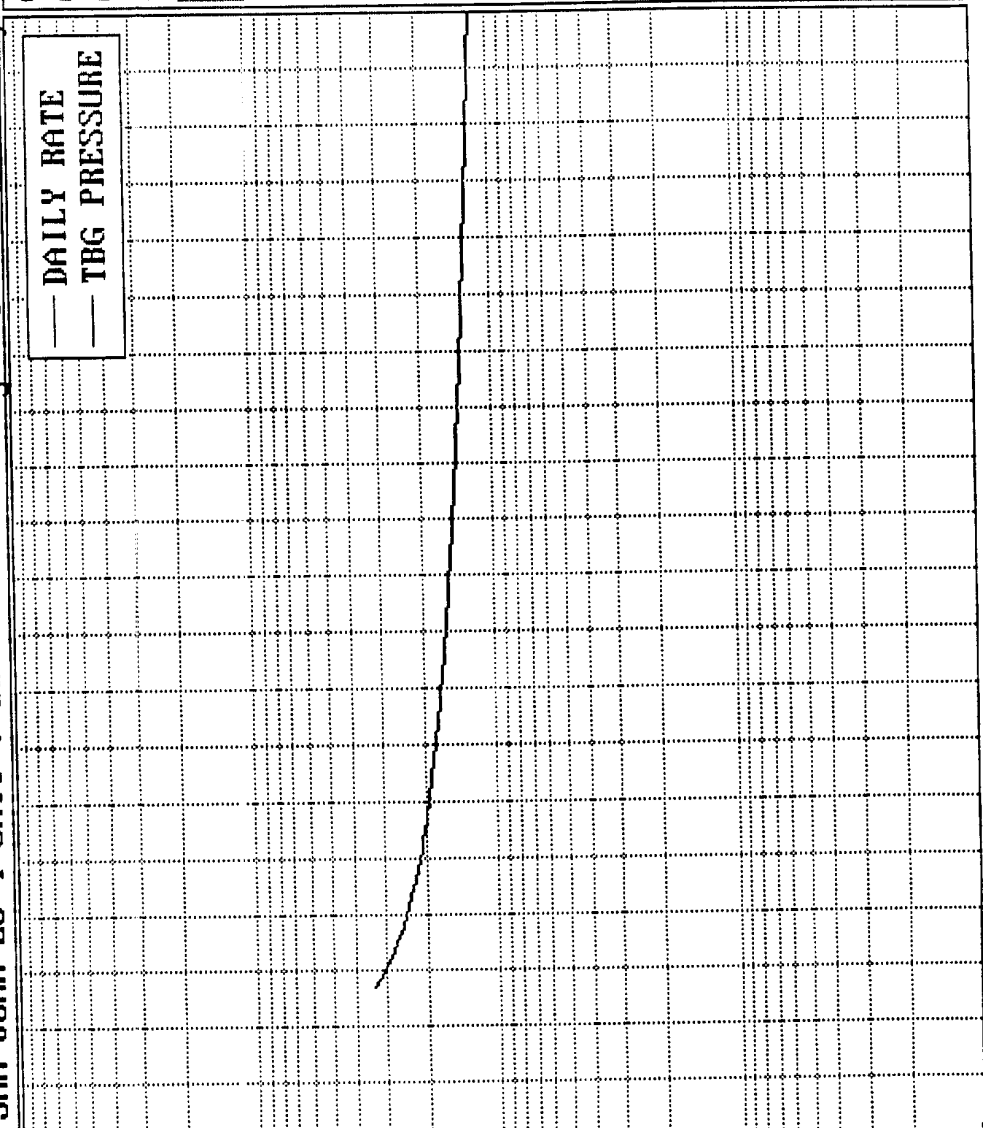


SAN JUAN 28-4 UNIT : 36 : 44522B-1 Projected Production (mv)

— DAILY RATE
— TBG PRESSURE

* OIL 100
* WATER/GAS 1000
* GAS 1000
* WATER 1000

97 : 98 : 99 : 00 : 01 : 02 : 03 : 04 : 05 : 06



SAN JUAN 28-4 UNIT 36

Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesaverde	Dakota
<u>MV-Current</u>	<u>DK-Current</u>
GAS GRAVITY 0.675	GAS GRAVITY 0.612
COND. OR MISC. (C/M) C	COND. OR MISC. (C/M) C
%N2 0.13	%N2 0.18
%CO2 1.07	%CO2 1.7
%H2S 0	%H2S 0
DIAMETER (IN) 2	DIAMETER (IN) 1.5
DEPTH (FT) 6740	DEPTH (FT) 8710
SURFACE TEMPERATURE (DEG F) 60	SURFACE TEMPERATURE (DEG F) 60
BOTTOMHOLE TEMPERATURE (DEG F) 144	BOTTOMHOLE TEMPERATURE (DEG F) 166
FLOWRATE (MCFPD) 59	FLOWRATE (MCFPD) 0
SURFACE PRESSURE (PSIA) 519	SURFACE PRESSURE (PSIA) 1082
BOTTOMHOLE PRESSURE (PSIA) 612.8	BOTTOMHOLE PRESSURE (PSIA) 1323.4
<u>MV-Original</u>	<u>DK-Original</u>
GAS GRAVITY 0.675	GAS GRAVITY 0.612
COND. OR MISC. (C/M) C	COND. OR MISC. (C/M) C
%N2 0.13	%N2 0.18
%CO2 1.07	%CO2 1.7
%H2S 0	%H2S 0
DIAMETER (IN) 2	DIAMETER (IN) 1.5
DEPTH (FT) 6740	DEPTH (FT) 8710
SURFACE TEMPERATURE (DEG F) 60	SURFACE TEMPERATURE (DEG F) 60
BOTTOMHOLE TEMPERATURE (DEG F) 144	BOTTOMHOLE TEMPERATURE (DEG F) 166
FLOWRATE (MCFPD) 59	FLOWRATE (MCFPD) 0
SURFACE PRESSURE (PSIA) 1136	SURFACE PRESSURE (PSIA) 2217
BOTTOMHOLE PRESSURE (PSIA) 1364.8	BOTTOMHOLE PRESSURE (PSIA) 2744.5

REQUESTED RECORD NOT FOUND (NEXT RECORD DISPLAYED)

OPR008M1 0107

0008 CHROMATOGRAPH TEST MAIN SCREEN

17:14:45.0 04/01/9

FUNCTION (A,C,D,I) I

** DATA AT TEST PRESSURE UNLESS NOTED **

MP NUMBER

86692

SAN JUAN 28-4 UNIT

36

EFFECTIVE DATE

19931101

REGION CD

42

SAN JUAN

MP TYPE CODE

10

GAS METER - WELLHEAD SALES

DIK

SAMPLE TYPE CODE (GAS, LIQ, BTU)

GAS

----- BTU/CF -----

SAMPLE DATE

19931108

--- (AT 14.73 PSIG) --

SAMPLE LINE PRESSURE (PSIG)

WET 1039.605 DRY 1058.000

SAMPLE LINE TEMPERATURE (DEG F)

TEST DATE

----- BTU/CF -----

TEST PRESSURE (PSIG)

14.730

WET 1039.605 DRY 1058.000

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

40960A 28-4#37

OPR008M2 0107

0008 CHROMATOGRAPH GAS SAMPLE DETAIL

17:14:53.6 04/01/9

	MOL %	GPM (AT 14.73)
HYDROGEN	_____	
HELIUM	_____	
NITROGEN	___0.18	
OXYGEN	_____	
HYDROGEN SULFIDE	_____	
CARBON DIOXIDE	___1.70	
METHANE	___92.82	
ETHANE	___3.74	1.0005
PROPANE	___0.81	0.2232
ISO-BUTANE	___0.24	0.0785
N-BUTANE	___0.16	0.0504
ISO-PENTANE	___0.10	0.0366
N-PENTANE	___0.04	0.0145
HEXANE	_____	
HEXANE PLUS	___0.21	0.0916
HEPTANE PLUS	_____	
TOTALS	100.00	1.4953

** DATA AT 14.730 PSIG UNLESS NOTED **

MP NUMBER 86692

EFFECTIVE DATE 19931101

DK

-- GASOLINE CONTENT (GPM) --

26/70 GASOLINE _____

100% PROPANE _____

EXCESS BUTANES _____

TOTAL

----- SPECIFIC GRAVITY -----

CALCULATED _0.6120

MEASURED _____

SULPHUR GRAINS / 100 CU FT _____

03=MAIN SCREEN

24=HELP

PA1=TERMINATE

Page No.: 1

Print Time: Wed Apr 01 16:44:49 1998

Property ID: 1759

Property Name: SAN JUAN 28-4 UNIT | 36 | 44522A-1 DK

Table Name: K:\ARIES\RR98PDP\TEST.DBF

```
--DATE--  ---CUM GAS--  M SIWHP
##### Mcf##### Psi:##
```

10/29/73	0	2217.0	original
11/20/73	0	2218.0	
01/24/74	11672	1746.0	
08/07/74	51785	1316.0	
06/23/75	97949	1261.0	
06/25/76	132392	1508.0	
07/06/77	156546	1224.0	
06/05/85	240226	768.0	
09/01/92	321815	1082.0	current

FDG055M4 0107

WELL PRODUCTION 8/8'S VOLUME

04/01/98 17:11:1

START OF DATA

DP NO: 44522A

DATE: 980330 (YYMMDD FORMAT)

DK

SAN JUAN 28-4 UNIT

36

SCROLL FORWARD BY DATE: _

S

E	DATE	HOURS	-OIL PRODN-	-GAS PRODN-	-WATER PRODN-			
L	PRODUCED	ON	(BOPD	BOPM)	(MCFD	MCFM)	(BWPD	BWPM)
---	03/30/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/29/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/28/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/27/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/26/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/25/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/24/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/23/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/22/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/21/98	0.0	0.00	0.00	0	0	0.00	0.00
---	03/20/98	0.0	0.00	0.00	0	0	0.00	0.00

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI	PF10=BROWSE MENU	PF11=INQ/UPDATE MENU
PF12=MAIN MENU	ENTER=BACKWARDS	PF24=HELP

REQUESTED RECORD NOT FOUND (NEXT RECORD DISPLAYED)

OPR008M1 3054

0008 CHROMATOGRAPH TEST MAIN SCREEN

12:39:34.6 04/06/9

FUNCTION (A,C,D,I) I

** DATA AT TEST PRESSURE UNLESS NOTED **

MP NUMBER

72118

SAN JUAN 28-4 UNIT

14 *offset mv*

EFFECTIVE DATE

19970601

REGION CD

42

SAN JUAN

MP TYPE CODE

10

GAS METER - WELLHEAD SALES

SAMPLE TYPE CODE (GAS, LIQ, BTU)

GAS

----- BTU/CF -----

SAMPLE DATE

19970506

--- (AT 14.73 PSIG) --

SAMPLE LINE PRESSURE (PSIG)

WET 1151.623 DRY 1172.000

SAMPLE LINE TEMPERATURE (DEG F)

TEST DATE

----- BTU/CF -----

TEST PRESSURE (PSIG)

14.730

WET 1151.623 DRY 1172.000

TEST TEMPERATURE (DEG F)

60

VAPOR FACTOR

TEST LIFE (MONTHS)

6

TESTER SOURCE BA NUMBER

098795 EL PASO FIELD SERVICES

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

2.3/8"
td = 6745

Page No.: 1

Print Time: Wed Apr 01 16:46:05 1998

Property ID: 3901

Property Name: SAN JUAN 28-4 UNIT | 14 | 50019A-1 *72112 offset mv*

Table Name: K:\ARIES\RR98PDP\TEST.DBF

--DATE-- ---CUM GAS-- M SIWHP

■■■■■■■■■■ ■■■■■■Mcf■■■■■ ■■■■Psi■■■■■

12/30/57	0	1136.0	<i>original</i>
10/06/58	31000	875.0	
10/22/59	82000	672.0	
06/14/60	105000	626.0	
06/13/61	136000	589.0	
07/31/62	160000	606.0	
01/07/63	172000	600.0	
01/02/64	192000	626.0	
07/29/65	226000	548.0	
08/01/66	239000	546.0	
08/04/67	255000	558.0	
06/09/70	283782	577.0	
05/03/71	308516	515.0	
05/30/72	330935	481.0	
05/09/74	369329	588.0	
05/20/91	622454	647.0	
07/14/91	625938	659.0	
07/15/93	655440	519.0	<i>current</i>

OPR008M2 3054

0008 CHROMATOGRAPH GAS SAMPLE DETAIL

12:40:02.5 04/06/9

	MOL %	GPM (AT 14.73)
HYDROGEN	_____	
HELIUM	_____	
NITROGEN	___0.13	
OXYGEN	_____	
HYDROGEN SULFIDE	_____	
CARBON DIOXIDE	___1.07	
METHANE	___85.27	
ETHANE	___8.37	2.2390
PROPANE	___2.94	0.8103
ISO-BUTANE	___0.54	0.1766
N-BUTANE	___0.73	0.2302
ISO-PENTANE	___0.31	0.1134
N-PENTANE	___0.21	0.0761
HEXANE	_____	
HEXANE PLUS	___0.43	0.1876
HEPTANE PLUS	_____	
TOTALS	100.00	3.8332

** DATA AT 14.730 PSIG UNLESS NOTED **

MP NUMBER 72118 *offset 1*

EFFECTIVE DATE 19970601

-- GASOLINE CONTENT (GPM) --

26/70 GASOLINE _____

100% PROPANE _____

EXCESS BUTANES _____

TOTAL

----- SPECIFIC GRAVITY -----

CALCULATED ___0.6750

MEASURED _____

SULPHUR GRAINS / 100 CU FT _____

03=MAIN SCREEN

24=HELP

PA1=TERMINATE

FDG055M4 3054

WELL PRODUCTION 8/8'S VOLUME

04/06/98 12:39:0.

START OF DATA

DP NO: 50019A

offset mv

DATE: 980404 (YYMMDD FORMAT)

SAN JUAN 28-4 UNIT

14

SCROLL FORWARD BY DATE: _

S

E	DATE	HOURS	-OIL PRODN-	-GAS PRODN-	-WATER PRODN-
L PRODUCED	ON	(BOPD	BOPM)	(MCFD MCFM)	(BWPD BWPM)

_	04/04/98	24.0	0.07	0.28	59 237 0.00 0.00
_	04/03/98	24.0	0.07	0.21	59 178 0.00 0.00
_	04/02/98	24.0	0.07	0.14	59 119 0.00 0.00
_	04/01/98	24.0	0.07	0.07	60 60 0.00 0.00
_	03/31/98	24.0	0.07	2.44	83 1353 0.00 0.00
_	03/30/98	24.0	0.07	2.37	13 1270 0.00 0.00
_	03/29/98	24.0	0.07	2.30	57 1257 0.00 0.00
_	03/28/98	24.0	0.07	2.23	13 1200 0.00 0.00
_	03/27/98	24.0	0.08	2.16	10 1187 0.00 0.00
_	03/26/98	24.0	0.08	2.08	25 1177 0.00 0.00
_	03/25/98	24.0	0.08	2.00	15 1152 0.00 0.00

ENTER I UNDER SEL FOR MAINTENANCE

PF12=MAIN MENU	PF6=NRI	PF10=BROWSE MENU	PF11=INQ/UPDATE MENU
	ENTER=BACKWARDS		PF24=HELP

BURLINGTON RESOURCES OIL AND GAS COMPANY

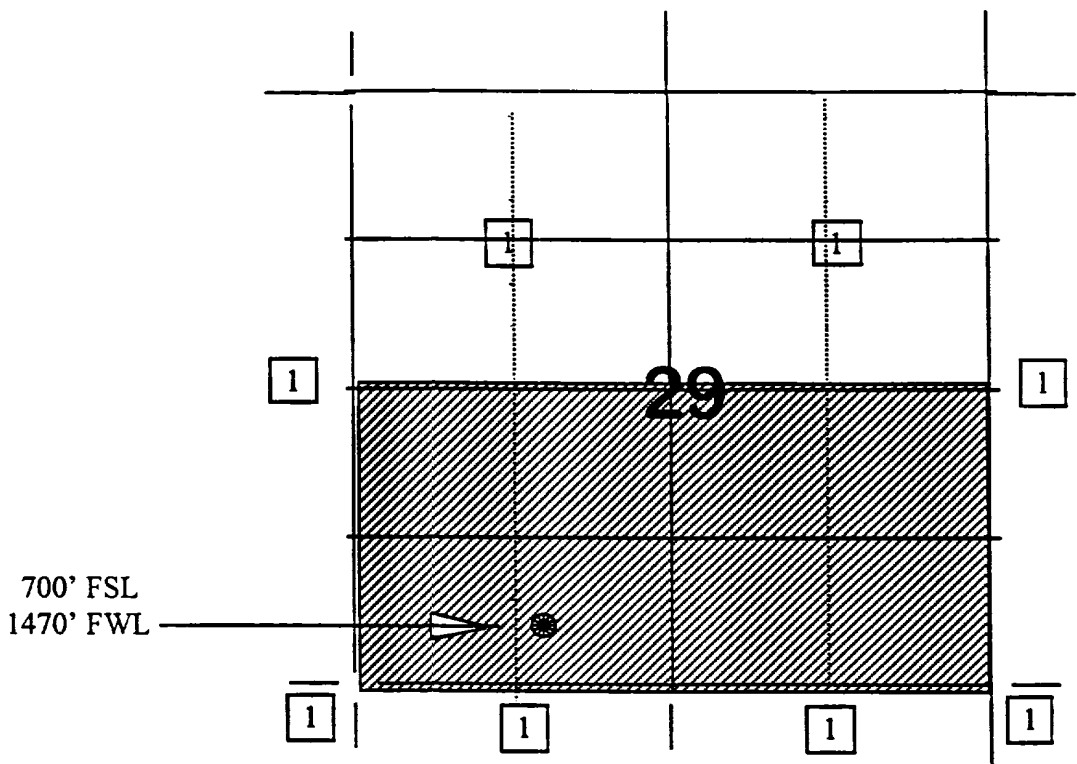
San Juan 28-4 Unit #36

OFFSET OPERATOR/OWNER PLAT

Non Standard Location

Mesaverde Formation Well

Township 28 North, Range 4 West



1) Burlington Resources

DATE: April 20, 1998
NAME: SAN JUAN 28-4 UNIT 36
FORM: DAKOTA
LOCATION
UNIT: N
SEC: 29
TWN: 28N
RNG: 4W

[19]	[20]	[21]
5/72 San Juan 28-4 Unit 34 95/1058 (97) 0/0	12/73 San Juan 28-4 Unit 37 14/228 (97) 0/0 [29] INA 11/73 San Juan 28-4 Unit 36 9/352 (96) 0/0	[28]
10/67 San Juan 28-4 Unit 29 31/704 (97) 0/0	2/68 San Juan 28-4 Unit 31 132/2796 (97) 0/1 [32] 5/69 San Juan 28-4 Unit 32 12/361 (97) 0/0	12/68 San Juan 28-4 Unit 33 92/969 (97) 0/0 INA 8/72 San Juan 28-4 Unit 35 16/382 (91) 0/0 [33]

T
28
N

LEGEND	
COMPLETION DATE	*
WELL NAME	*
MC/FD-CUM(MMF)	*
BOP/D-CUM(MBO)	*

DATE: April 20, 1998
 NAME: SAN JUAN 28-4 UNIT 36
 FORM: MESAVERDE
 LOCATION
 UNIT: N
 SEC: 29
 TWN: 28N
 RNG: 4W

10/62 • San Juan 28-4 Unit 28 51/409 (97) 0/0 [19] 9/61 • San Juan 28-4 Unit 27 28/650 (97) 0/0	INA 8/58 • San Juan 28-4 Unit 17 1/203 (82) 0/0 [20] 10/57 • San Juan 28-4 Unit 13 67/671 (97) 0/0	[21]
INA 8/58 • San Juan 28-4 Unit 16 3/542 (89) 0/0 [30] 10/59 • San Juan 28-4 Unit 20 112/1072 (97) 0/3	12/57 • San Juan 28-4 Unit 14 74/738 (97) 0/0 [29] INA 7/58 • San Juan 28-4 Unit 15 5/488 (86) 0/0 San Juan 28-4 Unit 36 Dakota *	[28]
4/57 • San Juan 28-4 Unit 11 100/1547 (97) [31] 0/0 9/58 • San Juan 28-4 Unit 18 288/1536 (97) 0/5	12/54 • San Juan 28-4 Unit 5 261/462 (97) 1/0 [32] 9/56 • San Juan 28-4 Unit 9 276/1637 (97) 1/6	7/57 • San Juan 28-4 Unit 12 182/1386 (97) 0/1 [33]

T 28
 N

LEGEND
 * COMPLETION DATE
 • WELL NAME
 (MCF/D-CUM(MMF))
 (BOP/D-CUM(MBO))