

CMD : ONGARD 05/11/04 10:24:13
 OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPKP

API well No : 30 39 27659 Eff Date : 04-05-2004 WC Status : N
 Pool Idn : 72359 BLANCO PICTURED CLIFFS (GAS)
 OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
 Prop Idn : 7465 SAN JUAN 29 7 UNIT

Well No : 192
 GL Elevation: 6351

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	:	C	21	29N	07W	FTG 820 F N FTG 2035 F W	P
Lot Identifier:							
Dedicated Acre:	160.00						
Lease Type	:	F					
Type of consolidation	(Comm, Unit, Forced Pooling - C/U/F/O) : U						

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
 PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

CMD : ONGARD
OG6ACRE C102-DEDICATE ACREAGE

05/11/04 10:24:22
OGOMES -TPKP
Page No : 1

API Well No : 30 39 27659 Eff Date : 04-05-2004
Pool Idn : 72359 BLANCO PICTURED CLIFFS (GAS)
Prop Idn : 7465 SAN JUAN 29 7 UNIT
Spacing Unit : 58826 OCD Order :
Sect/Twp/Rng : 21 29N 07W Acreage : 160.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
C	21	29N	07W		40.00	N	FD		
D	21	29N	07W		40.00	N	FD		
E	21	29N	07W		40.00	N	FD		
F	21	29N	07W		40.00	N	FD		

E0005: Enter data to modify or PF keys to scroll
PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work DRILL	5. Lease Number SF-078424	204 MAR -4 PM 2:22
1b. Type of Well GAS	Unit Reporting Number 070 Farmington, NM	If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name San Juan 29-7 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 29-7 Unit	9. Well Number #192
4. Location of Well 820' FNL, 2035' FWL Latitude 36° 42.9825'N, Longitude 107° 34.6654'W	10. Field, Pool, Wildcat Blanco Pictured Cliffs	11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 21, T29N, R07W API # 30-048- 39 27659
14. Distance in Miles from Nearest Town 18.1 miles to Blanco, NM Post Office	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 820'	17. Acres Assigned to Well PC 320 W/2 NW/4 160	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 21'	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 3340'		
21. Elevations (DF, FT, GR, Etc.) 6351' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Joni Clark</u> Regulatory Specialist	<u>2-9-04</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY /s/ David J. Mankiewicz

TITLE

DATE APR - 5 2004

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

NO HPA NOTIFICATION REQUIRED UNDER ORDER R-8768F.

This application is subject to technical and procedural review pursuant to 43 CFR 3160.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Artesia, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- <i>27659</i>	² Pool Code 72359	³ Pool Name Blanco Pictured Cliffs
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 192
⁷ OCRED No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6351'

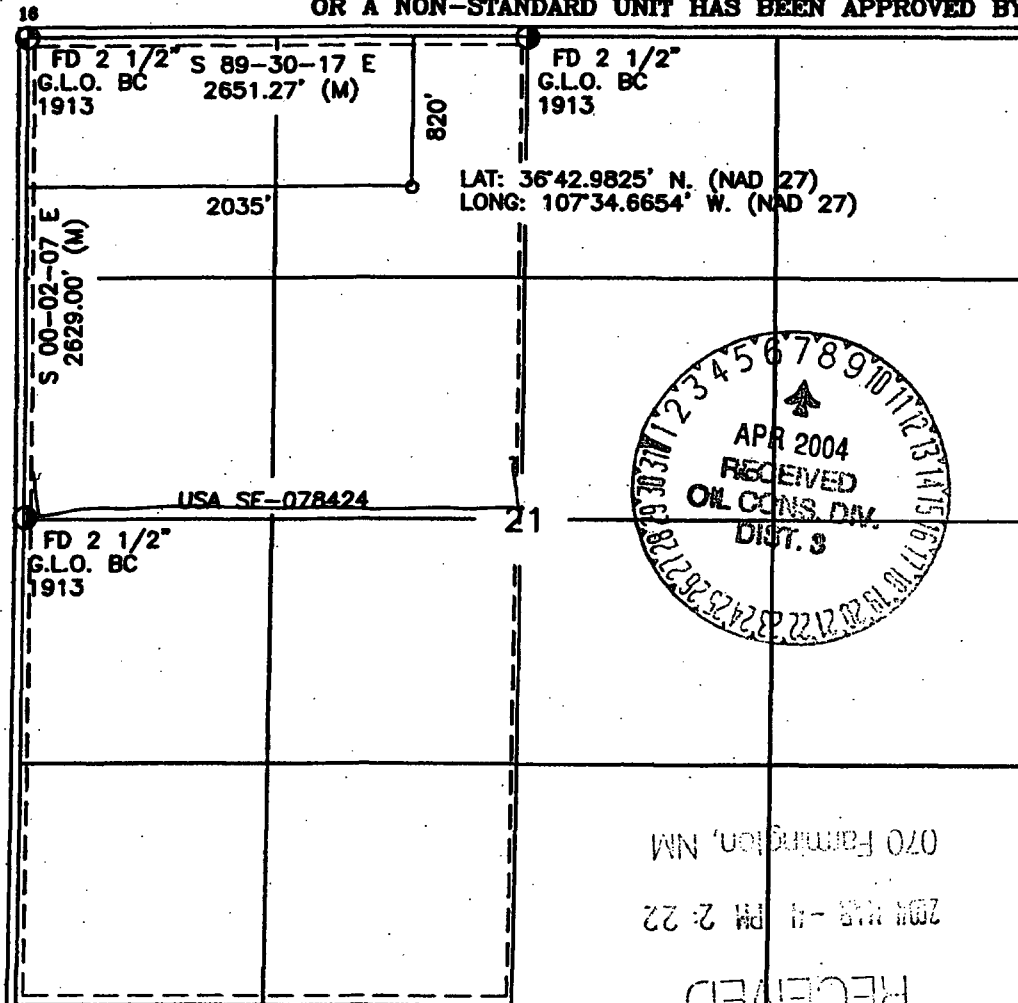
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 14n	Feet from the	North/South line	Feet from the	East/West line	County
C	21	29-N	7-W		820'	NORTH	2035'	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 14n	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 160 PC W/2 320 NW/4				¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. 160 acres for density purposes PC 320 acres for revenue purposes PC	

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



17 OPERATOR CERTIFICATION

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

Signature Joni Clark
Printed Name Joni Clark
Regulatory Specialist
Title 2-9-04
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.

10-30-03
Date of Survey
Signature and Seal of Registered Surveyor
14827
Certificate Number

OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #192
Location: 820' FNL, 2035' FWL, Section 21, T-29-N, R-7-W
Rio Arriba County, New Mexico
Latitude 36° 42.98'N, Longitude 107° 34.67'W
Formation: Blanco Pictured Cliffs
Elevation: 6351' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	2243'	
Ojo Alamo	2243'	2323'	aquifer
Kirtland	2323'	2828'	gas
Fruitland Coal	2828'	3118'	gas
Pictured Cliffs	3118'	3303'	gas
Lewis	3303		
Total Depth	3340'		

Logging Program:

Open hole - Platform Express - TD to surface
cased hole - CBL-CCL-GR TD to surface

Coring Program: None

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud <i>air mist</i>	8.4-9.0	40-50	no control
120-3340'	FW/LSND	8.4-9.0	32-45	no control

Casing Program (as listed, equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
8 3/4"	0 - 120'	7"	20.0#	J-55
6 1/4"	0 - 3340'	4 1/2"	10.5#	J-55

Tubing Program:

0' -3340'	2 3/8"	4.7#	J-55
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Float Equipment: 7" surface casing - saw tooth guide shoe.
Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Standard centralizers run every third joint above shoe to the base of the Ojo Alamo @ 2323'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2323'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 4 1/2" x 2 3/8" 2000 psi screw on independent wellhead.

Cementing:

7" surface casing pre-set drilled- cement with 34 sxs Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (Bring cement to surface). Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

7" surface casing conventionally drilled - cement with 42 sxs Type III cement with 0.25 pps Celloflake, 3% calcium chloride. (54 cu ft-200% excess, bring cement to surface). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - Lead w/181 sx Premium Lite cement w/3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sx Type III cement w/1% calcium chloride, 0.25 pps celloflake, and 0.2% fluid loss (510 cu.ft. of slurry, 50% excess to circulate to surface).

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test BOP and casing to 600 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test BOP and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Pictured Cliffs formation will be completed.
- * Anticipated pore pressure for the Pictured Cliffs is 500 psi.
- * This gas is dedicated.
- * W/2 of Section 21 is dedicated to the Blanco Pictured Cliffs.

Sean Corrigan
Drilling Engineer

February 17, 2004
Date



GulfTerra
Field Services LLC

BLANCO GATHERING SYSTEM

DWG. NO. BLL002-034-01

LINE BURLINGTON RESOURCES OIL & GAS CO.- SAN JUAN 29-7 UNIT NO. 192

WD NO. _____

RW NO. 0370397

FROM 0+00 = 15+63.90 ON BURL. RES. O & G CO.- SAN JUAN 29-7 UNIT NO. 130M

DATE 12/02/03

(BLL2-13-1, R/W NO. 967190)(MC NO. 99441)

SCALE 1" = 1000'

SURVEYED 11/19/03

COUNTY RIO ARriba

STATE NEW MEXICO

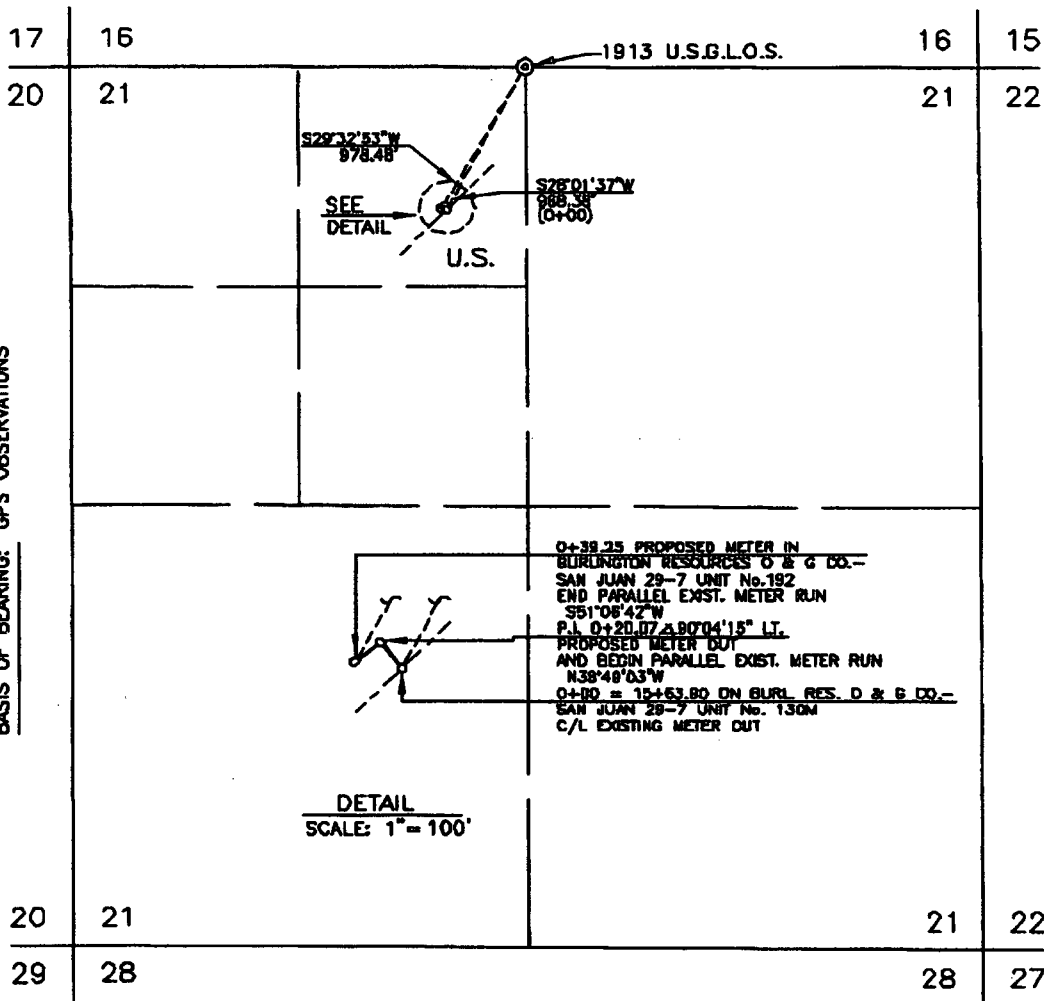
SECTION 21

TOWNSHIP 29-N

RANGE 07-W, N.M.P.M.

N

T-29-N, R-07-W, N.M.P.M.
BASIS OF BEARING: GPS OBSERVATIONS



DWN. BY DB CONSTR. COMMENCED _____ APPL. DWG. _____ SLACK CHAIN _____
CKD. BY MD CONSTR. COMPLETED _____ DATE _____ PIPE SIZE 4.50" O.D.

PRINT RECORD

7 151 DIST. 11/20/03

PIPE DATA

METER STA. NO.

NOTE: WELL FLAG
SURVEY ON EXISTING LOCATION
PROPOSED PARALLEL METER SET
WELL FLAG ON EXISTING LOCATION

SUBDIVISION

OWNER

LESSEE

METER(S)

RODS

ACRE(S)

PORTIONS OF SEC. 21

UNITED STATES

JUAN I. LOPEZ, ESTATE

2.379

0.036

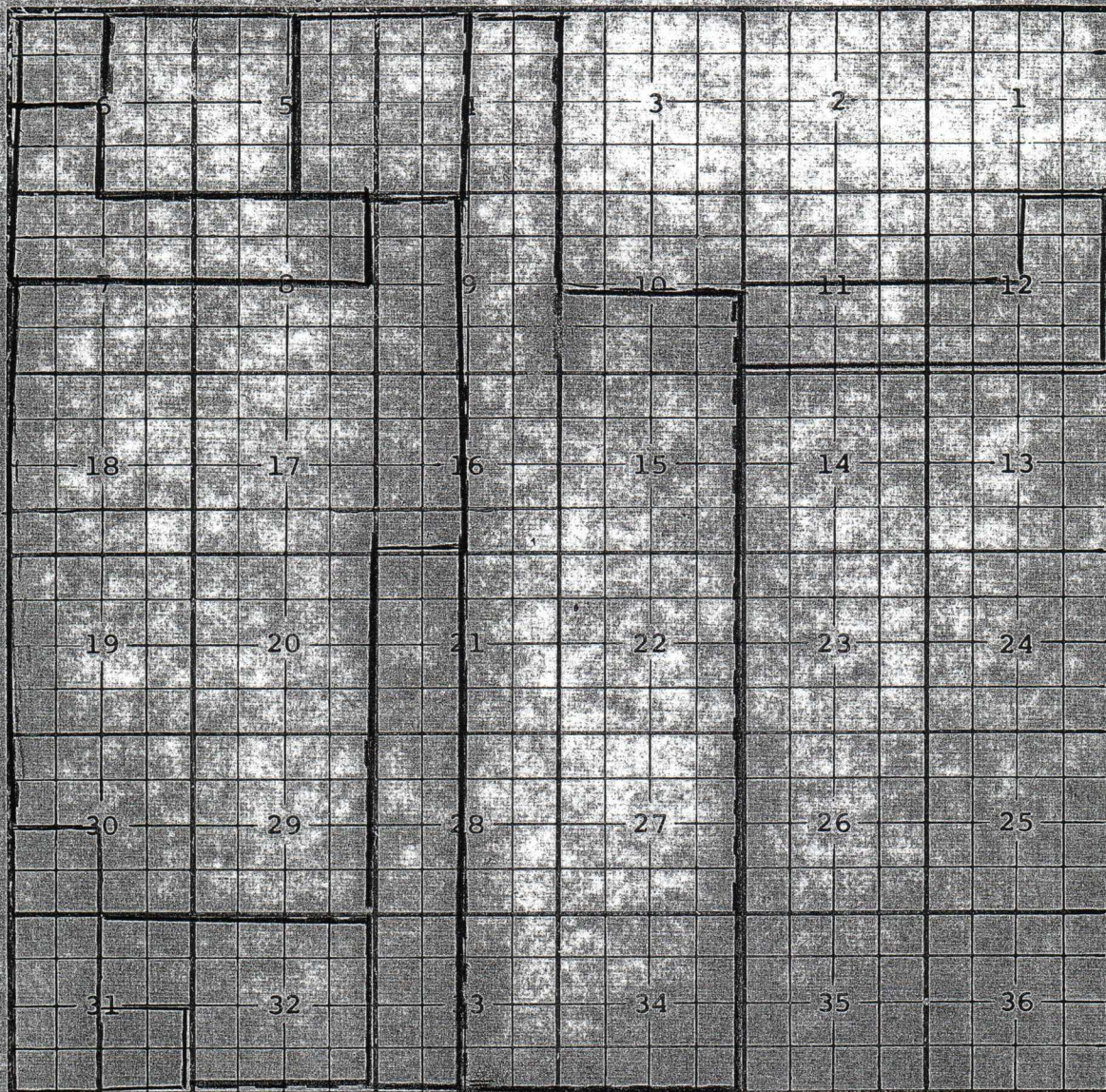
BLL002-034-01 FSF424G (Rev. 8/03)

COUNTY San Juan POOL Blanco - Pictured Cliffs

TOWNSHIP 29 North

RANGE 7 West

NMPM



Ext. SW/4 Sec 30, W/2 Sec 31 (R-4690, 12-1-73)

Ext. SE/4 Sec. 31 (R-7046, 8-6-82) Ext. NE/4 Sec. 31, All Sec. 32 (R-10128, 8-30-94)

Ext. SW/4 Sec. 6, N/2 Sec. 7, N/2 Sec. 8 (R-10194, 9-19-94)

Ext. W/2 Sec. 5, E/2 Sec. 6 (R-10344, 4-24-95)

Ext. S/2 Sec. 7, S/2 Sec. 8, W/2 Sec. 9, W/2 Sec. 16, All Secs. 17 through 20, All Sec. 29, N/2 and SE/4 Sec. 30 (R-10600, 5-17-96)

Ext. W/2 Sec. 21, W/2 Sec. 28, W/2 Sec. 33 (R-10719, 12-12-96)

Ext. W/2 Sec. 4, E/2 Sec. 5 (R-10761, 2-10-97)

Ext. E/2 Sec. 4, E/2 Sec. 9, S/2 Sec. 10, All Sec. 15, E/2 Sec. 16, E/2 Sec. 21, All Sec. 22, All Sec. 27, E/2 Sec. 28, E/2 Sec. 33, All Sec. 34 (R-10990, 5-20-98)

Ext. NW/4 Sec. 6, S/2 Sec. 11, NE/4 and S/2 Sec. 12 (R-11445, 9-5-00)



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

May 19, 1997

Burlington Resources Oil & Gas Company
P. O. Box 4289
Farmington, New Mexico 87499-4289
Attention: Peggy Bradfield

Administrative Order NSL-2078-A

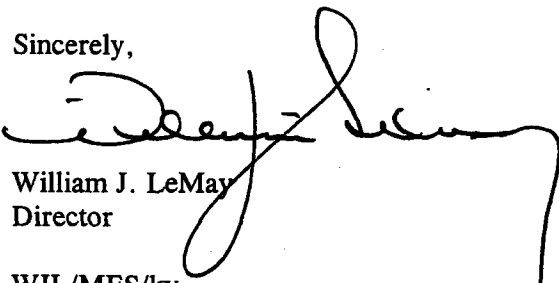
Dear Ms. Bradfield:

Reference is made to your application dated May 7, 1997 for an unorthodox "infill" gas well location for both the Blanco-Mesaverde and Basin-Dakota Pools for the proposed San Juan "29-7" Unit Well No. 130-M to be drilled 845 feet from the North line and 2055 feet from the West line (Unit C) of Section 21, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico.

Production from both pools in said well is to be included in the existing standard 320-acre gas spacing and proration units comprising the W/2 of said Section 21, which the Mesaverde production is currently dedicated to Burlington Resources' San Juan "29-7" Unit Well No. 51 (API No. 30-039-07574), located at a standard gas well location 1520 feet from the South line and 970 feet from the West line (Unit L) of said Section 21 and the Dakota production is currently dedicated to Burlington Resources' San Juan "29-7" Unit Well No. 130 (API No. 30-039-23776), located at a non-standard gas well location 2025 feet from the South line and 1400 feet from the West line (Unit K) of said Section 21 (approved by Division Administrative Order NSL-2078, dated July 8, 1985).

By the authority granted me under the provisions of Rule 2(d) of the "General Rules For The Prorated Gas Pools of New Mexico/Special Rules and Regulations For The Blanco-Mesaverde Pool/Special Rules and Regulations for the Basin-Dakota Pool", as promulgated by Division Order No. R-8170, as amended, the above-described unorthodox "infill" Dakota/Mesaverde gas well location for the San Juan "28-6" Unit Well No. 130-M is hereby approved.

Sincerely,


William J. LeMay
Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington
File: NSL-2078

DATE IN 5/8/97	SUSPENSE 5/28/97	ENGINEER MS	LOGGED KW	TYPE NSL
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

NSL-2078-A

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

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] and [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 - 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 understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Bradfield

Print or Type Name

Signature

Regulatory/Compliance Administrator

Title

Date

5-7-97

BURLINGTON RESOURCES

SAN JUAN DIVISION

May 7, 1997

Sent Federal Express

Mr. William LeMay
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: San Juan 29-7 Unit #130M
845'FNL, 2055'FWL Section 21, T-29-N, R-7-W, Rio Arriba County, New Mexico
API # 30-039-(not yet assigned)

Dear Mr. LeMay:

Burlington Resources is applying for administrative approval of a non-standard location for the above location in both the Mesa Verde and Dakota formations. This application for the referenced location is due to terrain and the presence of archaeology.

The following attachments are for your review:

1. Application for Permit to Drill.
2. Completed C-102 at referenced location.
3. Offset operators/owners plat - Burlington is the offset operator
4. 7.5 minute topographic map showing the orthodox windows, and enlargement of the map to define topographic features.

We appreciate your earliest consideration of this application.

Sincerely,




Reggy Bradfield

Regulatory/Compliance Representative

xc: Bureau of Land Management
NMOCD - Aztec District Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078424 Unit Reporting Number 891001650A-Dk 8910016500-MV
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <i>BURLINGTON</i> <i>RESOURCES</i> Oil & Gas Company	7. Unit Agreement Name San Juan 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 29-7 Unit 9. Well Number 130M
4. Location of Well 845' FNL, 2055' FWL Latitude 36° 42' 58", Longitude 107° 34' 38"	10. Field, Pool, Wildcat Blanco Mesa Verde/ Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec 21, T-29N, R-7-W API # 30-039-
14. Distance in Miles from Nearest Town 3 miles to Navajo City	12. County 13. State Rio Arriba NM
15. Distance from Proposed Location to Nearest Property or Lease Line 845'	
16. Acres in Lease	17. Acres Assigned to Well 320 W/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1200'	
19. Proposed Depth 7630'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6343' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by:  Regulatory/Compliance Administrator	1-21-97 Date

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NOTE: an APD was submitted for this well in this 1/4 Section in September 1985

District I
PO Box 1910, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos 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

API Number 30-039-		Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7465	Property Name San Juan 29-7 Unit		Well Number 130M
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 6343'

10 Surface Location

UL or lot no. C	Section 21	Township 29-N	Range 7-W	Lot Ida	Feet from the 845	North/South line North	Feet from the 2055	East/West line West	County R.A.
--------------------	---------------	------------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	----------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres MV W/320 DK W/320	Joint or Infill	Consolidation Code	Order No.
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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

16	5278.68'	2055'	845'	21	SF-078424	5278.68'	5280.00'	5280.00'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Peggy Bradfield Signature Peggy Bradfield Printed Name Regulatory Administrator Title 1-21-97 Date

OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #130M
Location: 845' FNL, 2055' FWL Sec 21, T-29-N, R-7-W
 Rio Arriba County, NM
 Latitude 36° 42' 58", Longitude 107° 34' 38"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6343' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2204'	
Ojo Alamo	2204'	2704'	aquifer
Fruitland	2704'	3129'	gas
Pictured Cliffs	3129'	3294'	gas
Lewis	3294'	3794'	gas
Intermediate TD	3344'		
Mesa Verde	3794'	4079'	gas
Chacra	4079'	4774'	
Massive Cliff House	4774'	4934'	gas
Menefee	4934'	5294'	gas
Massive Point Lookout	5294'	6549'	gas
Gallup	6549'	7284'	gas
Greenhorn	7284'	7378'	gas
Graneros	7378'	7467'	gas
Dakota	7467'		gas.
TD	7630'		

Logging Program:
 Cased hole -Gamma Ray/Neutron

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200-3344'	LSND	8.4-9.0	30-60	no control
3344-7630'	Gas	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3344'	7"	20.0#	J-55
6 1/4"	3244' - 6855'	4 1/2"	10.5#	J-55
6 1/4"	6855' - 7630'	4 1/2"	11.6#	J-55

Tubing Program:

0' - 7630' 2 3/8" 4.70# EUE

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2).
After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 2 3/8" x 3000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing - cement with 163 sx Class "B" cement with 1/4# flocele/sx and 2% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 12 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead w/311 sx Class "B" w/3% medisilicate, 10# gilsonite/sx and 1/2# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% calcium chloride (1006 cu.ft. of slurry, 75% excess to circulate to surface.) WOC minimum of 12 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 2704'. Two turbolating centralizers at the base of the Ojo Alamo at 2704'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing -

Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead with 108 sx 65/35 Class "B" poz with 6% gel, 5# gilsonite/sx and 1/4# flocele/sx. Tail with 308 sx 50/50 Class "B" Poz with 1/4# flocele/sx, 5# gilsonite/sx, and 0.3% fluid loss additive (610 cu.ft., 35% excess to cement 4 1/2" x 7" overlap). WOC a minimum of 18 hrs prior to completing.

Cement float shoe on bottom with float collar spaced on top of shoe joint.

Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" x 7" casing strings. After completion of the well, a 4 1/2" retrievable bridge plug will be set below the top of cement in the 4 1/2" x 7" overlap. The 4 1/2" casing will then be backed off above the top of cement in the 4 1/2" x 7" overlap and laid down. The liner top can then be pressure tested to ensure a seal between the liner top and the 7" casing has been achieved. The test pressure shall be the maximum anticipated pressure to which the seal will be exposed (700 psi for the Mesa Verde and 2500 psi for the Dakota). The 4 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well.

- If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.
- The pipe will be rotated and/or reciprocated, if hole conditions permit.

Special Drilling Operations (Gas/Mist Drilling):

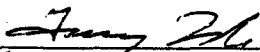
The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- Deduster equipment will be utilized.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Dakota and Mesa Verde formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal	800 psi
Pictured Cliffs	800 psi
Mesa Verde	700 psi
Dakota	2500 psi
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The dedication to the Mesa Verde and Dakota in this well is as shown on the C102 plat attached.
- This gas is dedicated.



Drilling Engineer

Date 1/21/97

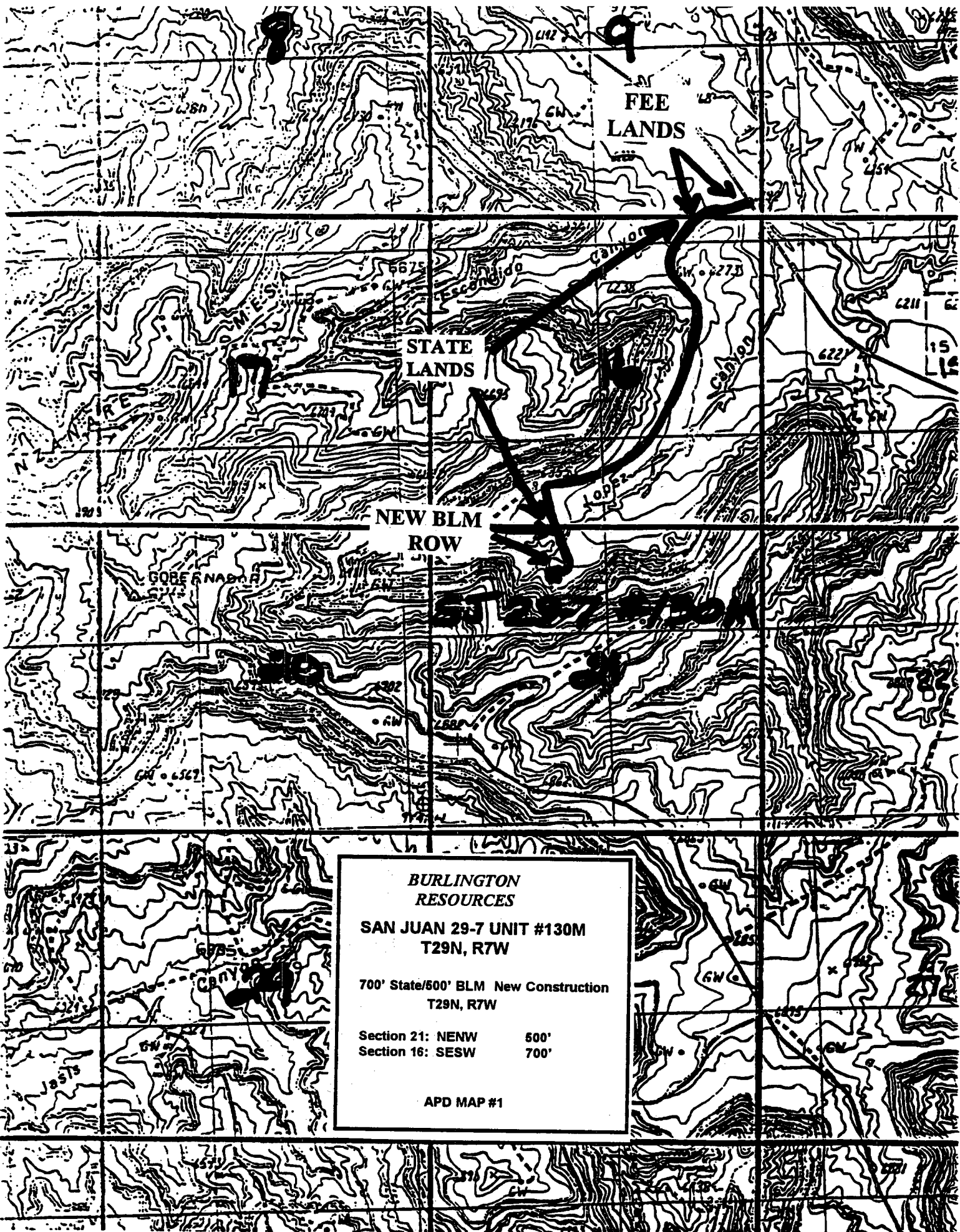
BURLINGTON RESOURCES

San Juan 29-7 Unit #130M
Multi-Point Surface Use Plan

1. Existing Roads - Refer to Map No. 1. Existing roads used to access the proposed location will be properly maintained for the duration of the project. Bureau of Land Management right-of-way has been applied for as shown on Map No. 1.
2. Planned Access Road - Refer to Map No. 1. The required new access road is shown on Map No. 1. The gradient, shoulder, crowning and other design elements will meet or exceed those specified by the responsible government agency. The new access road surface will not exceed twenty feet (20') in width. No additional turnarounds or turnouts will be required. Upon completion of the project, the access road will be adequately drained to control soil erosion. Approximately 1200' of access road will be constructed. Pipelines are indicated on Map No. 1A required.
3. Location of Existing Wells - Refer to Map No. 1A.
4. Location of Existing and/or Proposed Facilities if Well is Productive -
 - a. On the Well Pad - Refer to Plat No. 1, anticipated production facilities plat.
 - b. Off the Well Pad - Anticipated pipeline facilities as shown on the attached plat from El Paso Field Services.
5. Location and Type of Water Supply - Water will be hauled by truck for the proposed project and will be obtained from San Juan 29-6 Water Well #1 in located in SW/4 Section 28, T-29-N, R-6-W, New Mexico.
6. Source of Construction Materials - If construction materials are required for the proposed project, such materials will be obtained from a commercial quarry.
7. Methods of Handling Waste Materials - All garbage and trash materials will be removed from the site for proper disposal. A portable toilet will be provided for human waste and serviced in a proper manner. If liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying waste materials into the watershed. Reserve pits will be lined as needed with either 12 mil bio-degradable plastic liner or a bentonite liner. All earthen pits will be so constructed as to prevent leakage from occurring; no earthen pit will be located on natural drainage. Generation of hazardous waste is not anticipated. Federal regulations will be adhered to regarding handling and disposal of such waste if so generated.
8. Ancillary Facilities - None anticipated.
9. Wellsite Layout - Refer to the location diagram and to the wellsite cut and fill diagram (Figure No. 4). The blow pit will be constructed with a 2'/160' grade to allow positive drainage to the reserve pit and prevent standing liquids in the blow pit.

10. Plans for Restoration of the Surface - After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Seed mixture as designated by the responsible government agency will be used. The reseeding operations will be performed during the time period set forth by the responsible government agency. The permanent location facilities will be painted as designated by the responsible government agency.
11. Surface Ownership - Bureau of Land Management
12. Other Information - Environmental stipulations as outlined by the responsible government agency will be adhered to. Refer to the archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
13. Operator's Representative and Certification - Burlington Resources Oil & Gas Company Regional Drilling Manager, Post Office Box 4289, Farmington, NM 87499, telephone (505) 326-9700. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan, are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Burlington Resources Oil and Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

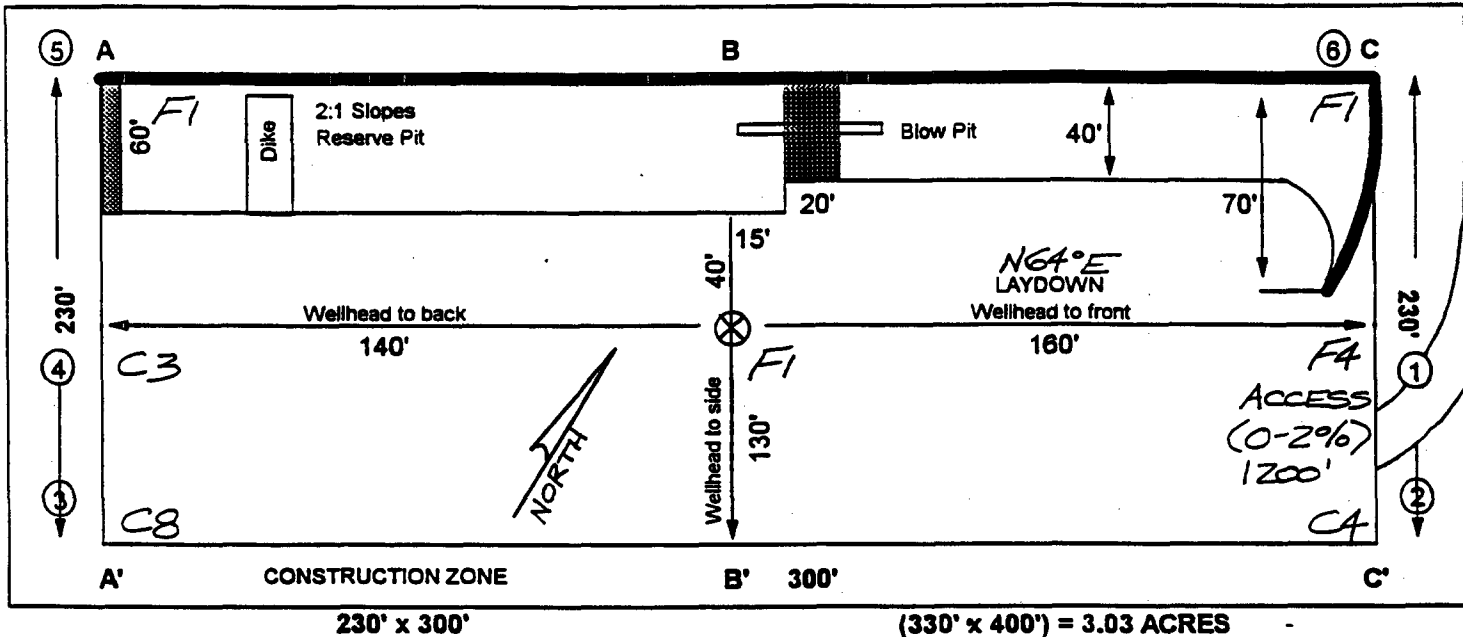

Regulatory/Compliance Administrator 1-21-97
Date



BURLINGTON RESOURCES

PLAT #1

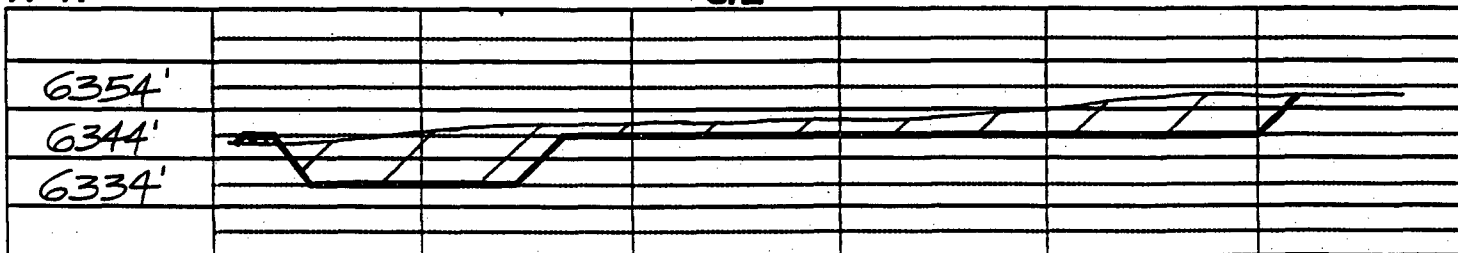
NAME: SAN JUAN 29-7 UNIT #130M
 FOOTAGE: 845' FNL 2055' FWL
 SEC 21 TWN 29 N.R. 7 W NMPM
 CO: RIO ARriba ST: NEW MEXICO
 ELEVATION: 6343' DATE: 11/14/96



Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side).
 Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.

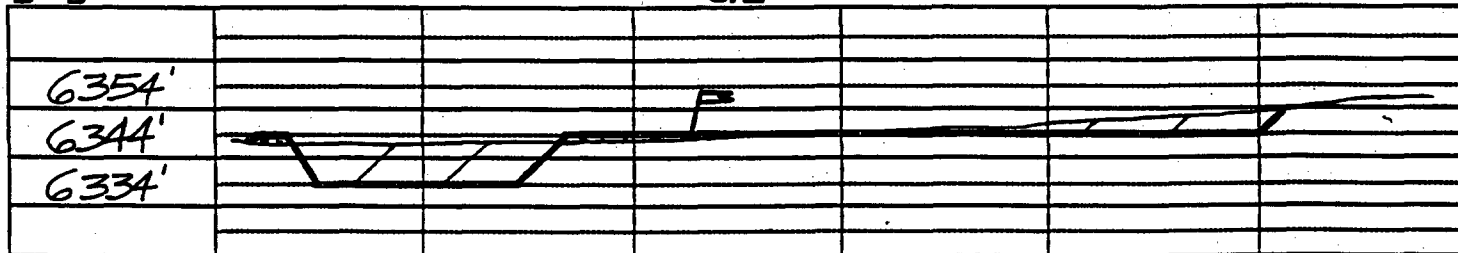
A - A'

C/L



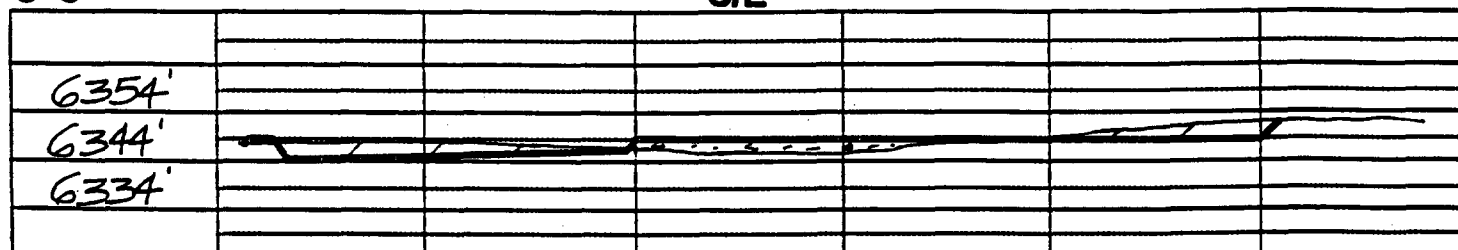
B - B'

C/L



C - C'

C/L

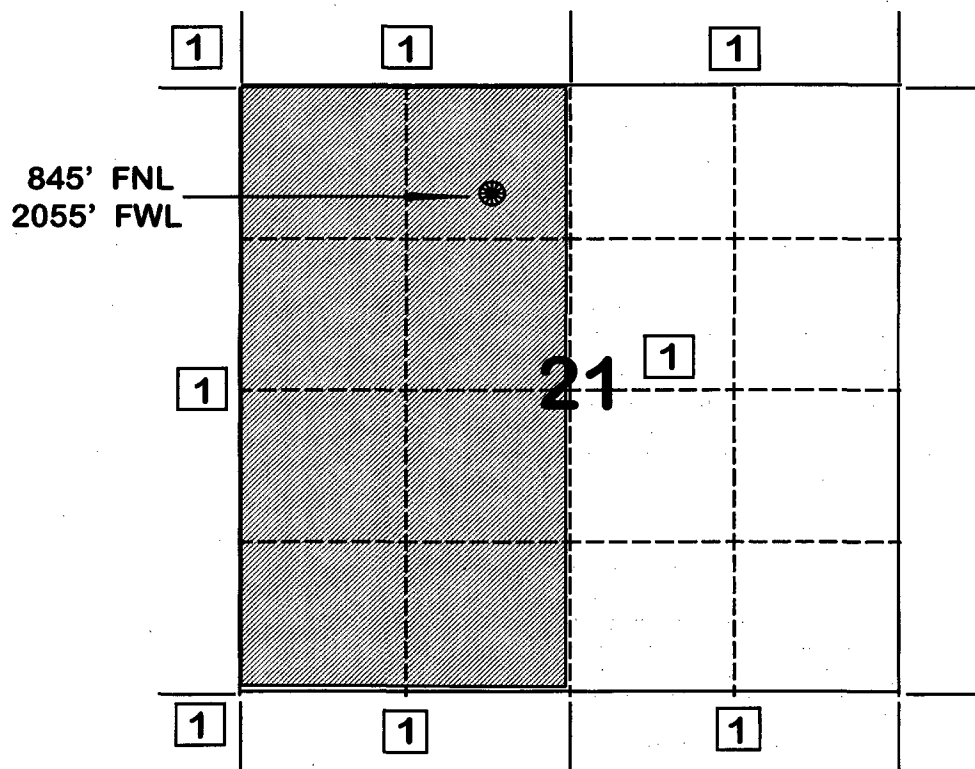


Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cable: on well pad and/or access road at least two (2) working days prior to construction.

BURLINGTON RESOURCES OIL AND GAS COMPANY

**San Juan 29-7 Unit #130M
OFFSET OPERATOR \ OWNER PLAT
Nonstandard Location
Mesaverde/Dakota Formations Well**

Township 29 North, Range 7 West



1) Burlington Resources Oil and Gas Company

