

DATE IN: 5/9/97	SUSPENSE 5/29/97	ENGINEER MS	LOGGED KN	TYPE NSL
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

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]

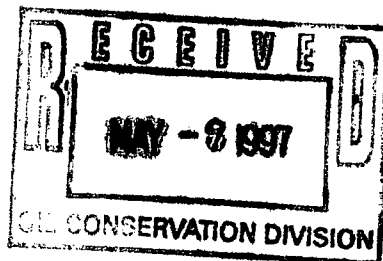
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[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 8, 1997

Sent Federal Express

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

Re: San Juan 32-9 Unit #39A
2340'FSL, 900'FEL Section 26, T-32-N, R-10-W, San Juan County, New Mexico
API # 30-045-(not yet assigned)

Dear Mr. LeMay:

Burlington Resources is applying for administrative approval of a non-standard location for the above location in the Mesa Verde formation. This application for the referenced location is at the request of the Bureau of Land Management to minimize new surface disturbance.

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,




Peggy 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-478507 Unit Reporting Number	
1b.	Type of Well GAS	6. If Indian, All. or Tribe	
2.	Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name San Juan 32-9 Unit	
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 32-9 Unit 9. Well Number 39A	
4.	Location of Well 2340' FSL, 900' FEL Latitude 36° 57.3, Longitude 107° 50.8	10. Field, Pool, Wildcat Blanco Mesa Verde 11. Sec., Twn, Rge, Mer. (NMPM) Sec 26, T-32-N, R-10-W API # 30-045-	
14.	Distance in Miles from Nearest Town 2 miles to Cedar Hill	12. County San Juan	13. State NM
15.	Distance from Proposed Location to Nearest Property or Lease Line 900'		
16.	Acres in Lease	17. Acres Assigned to Well 320 E/2	
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 2000'		
19.	Proposed Depth 5368'	20. Rotary or Cable Tools Rotary	
21.	Elevations (DF, FT, GR, Etc.) 6623' GR	22. Approx. Date Work will Start	
23.	Proposed Casing and Cementing Program See Operations Plan attached		
24.	Authorized by:  Regulatory/Compliance Administrator	5-6-97 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

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer 00, 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 1
Revised February 21,
Instructions on
Submit to Appropriate District ()
State Lease - 4 C
Fee Lease - 3 C

☐ AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-045-	72319	Blanco Mesaverde
Property Code	Property Name	Well Number
7473	San Juan 32-9 Unit	39A
OGRID No.	Operator Name	Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6623'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
I	26	32-N	10-W		2340	South	900	East	S.J.

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

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
E/320			

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	4965.84				17 OPERATOR CERTIFICATE			
Revised to show amended location				I hereby certify that the information contained here is true and complete to the best of my knowledge and				
4	3	2	1	Signature Peggy Bradfield				
SF-478507				Printed Name Regulatory Administrator				
5	6	7	8	Title 5-6-97				
26				Date				
12	11	10	9	18 SURVEYOR CERTIFICATE				
900'				I hereby certify that the well location shown on this was plotted from field notes of actual surveys made or under my supervision, and that the same is true, correct to the best of my belief.				
13	14	15	16	4/23/97				
5021.28				Date of Survey				
2340'				Signature and Seal of Professional Surveyor				
5249.64'				NEALE C. EDWARDS NEW MEXICO 6857 REGISTERED PROFESSIONAL SURVEYOR				
5247.00'				6857 Certificate Number				

OPERATIONS PLAN

Well Name: San Juan 32-9 Unit #39A
Location: 2340' FSL, 900' FEL Section 26, T-32-N, R-10-W
San Juan County, New Mexico
Latitude 36° 57.3, Longitude 107° 50.8
Formation: Blanco Mesa Verde
Elevation: 6623' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1597'	aquifer
Ojo Alamo	1597'	1867'	aquifer
Kirtland	1867'	2992'	
Fruitland	2992'	3402'	gas
Pictured Cliffs	3402'	3612'	gas
Lewis	3612'	4142'	gas
Intermediate TD	3662'		
Mesa Verde	4142'	4562'	gas
Chacra	4562'	5242'	
Massive Cliff House	5242'	5342'	gas
Menefee	5342'	5707'	gas
Point Lookout	5707'		gas
Total Depth	6107'		

Logging Program:

Cased hole logging - Gamma Ray Neutron
Mud Logs/Coring/DST - none

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
200-3662'	LSND	8.4-9.0	30-60	no control
3662-6107'	Gas/Mist	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' - 3662'	7"	20.0#	J-55
6 1/4"	3562' - 6107'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 6107' 2 3/8" 4.7# J-55

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.

BOP Specifications, Wellhead and Tests (cont'd):

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 2000 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 drill crew.
- All BOP tests & 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 3% 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/344 sx Class "B" w/3% sodium metasilicate, 10# gilsonite/sx and 1/2# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% calcium chloride, (1101 cu.ft. of slurry, 100% 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 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 1867'. Two turbolating centralizers at the base of the Ojo Alamo at 1867'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to circulate liner top. Lead with 150 sx 65/35 Class "B" poz w/6% gel, 5# gilsonite/sx and 1/4# flocele/sx. Tail with 135 sx 50/50 Class "B" Poz w/1/4# flocele/sx, 5# gilsonite/sx and 0.3% fluid loss additive (457 cu.ft., 75% excess to circulate liner top). WOC a minimum of 18 hrs prior to completing.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

- 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):

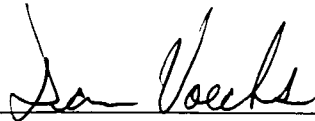
The following equipment will be operational while gas/mist drilling:

- 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.
- 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 Mesa Verde formation will be completed.
- 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
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The east half is dedicated to the Mesa Verde.
- This gas is dedicated.


Drilling Engineer

5/6/97
Date

BURLINGTON RESOURCES

San Juan 32-9 Unit #39A
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 2000' of access road will be constructed. Pipelines are indicated on Map No. 1A.
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 Williams Field Services.
5. Location and Type of Water Supply - Water will be hauled by truck for the proposed project and will be obtained from Graves Attebury Ditch located in NW/4 Section 4, T-31-N, R-10-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.

 5-6-97
(Regulatory/Compliance Administrator Date

pb

**BURLINGTON
RESOURCES**

**San Juan 32-9 Unit #39A
T32N, R10W**

**2000' BLM New Construction
T32N, R10W**

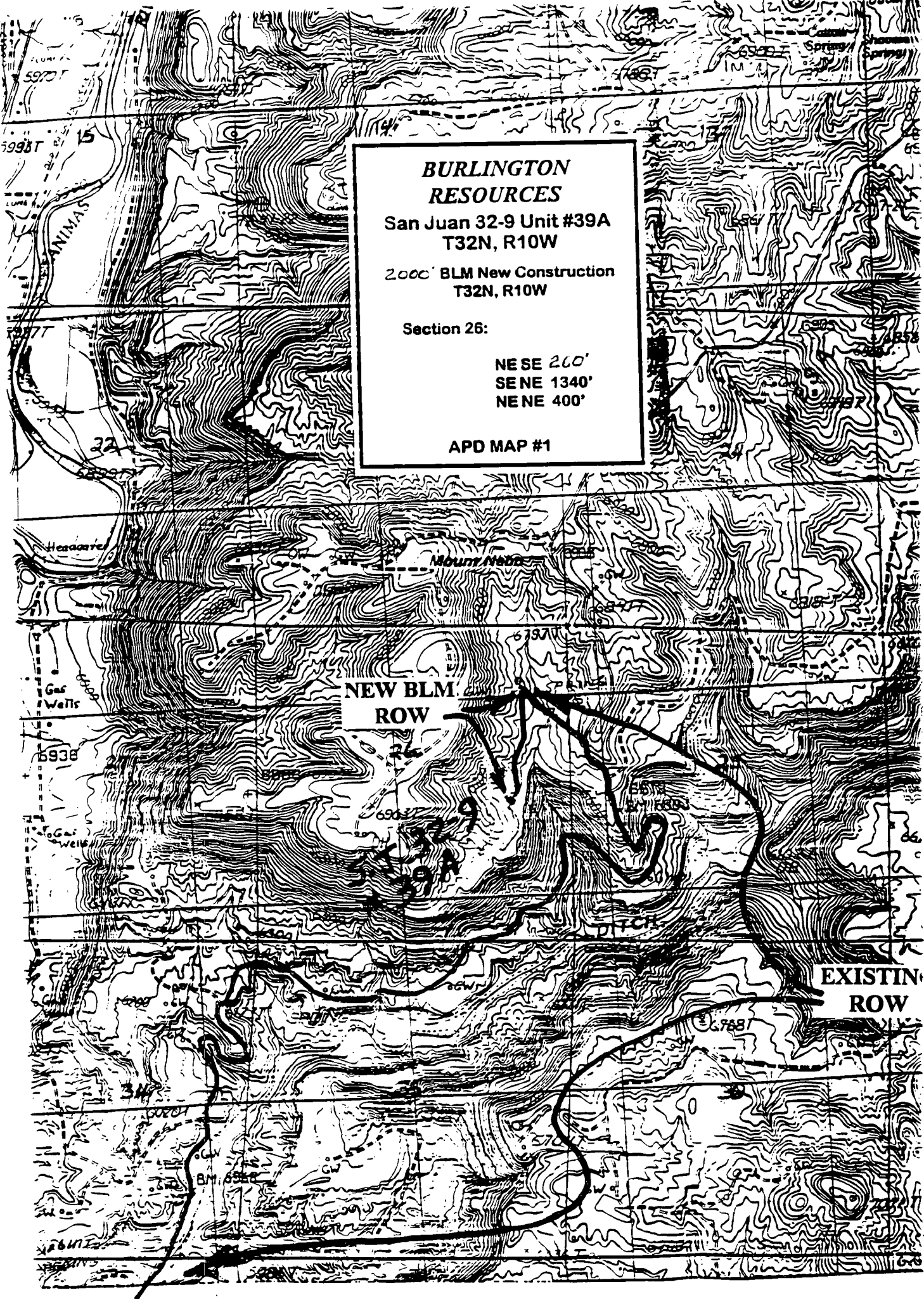
Section 26:

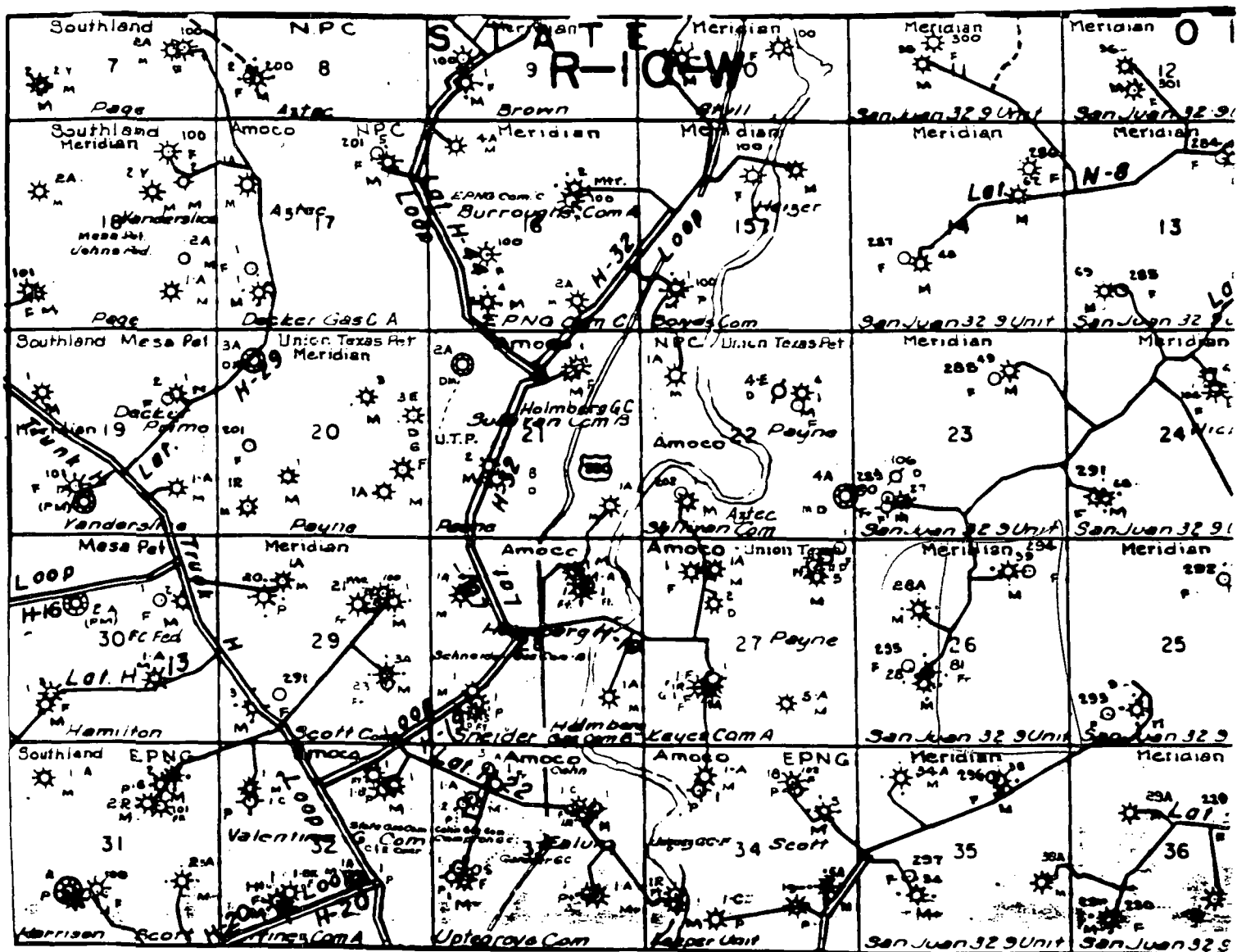
**NE SE 260'
SE NE 1340'
NE NE 400'**

APD MAP #1

**NEW BLM
ROW**

**EXISTIN
ROW**



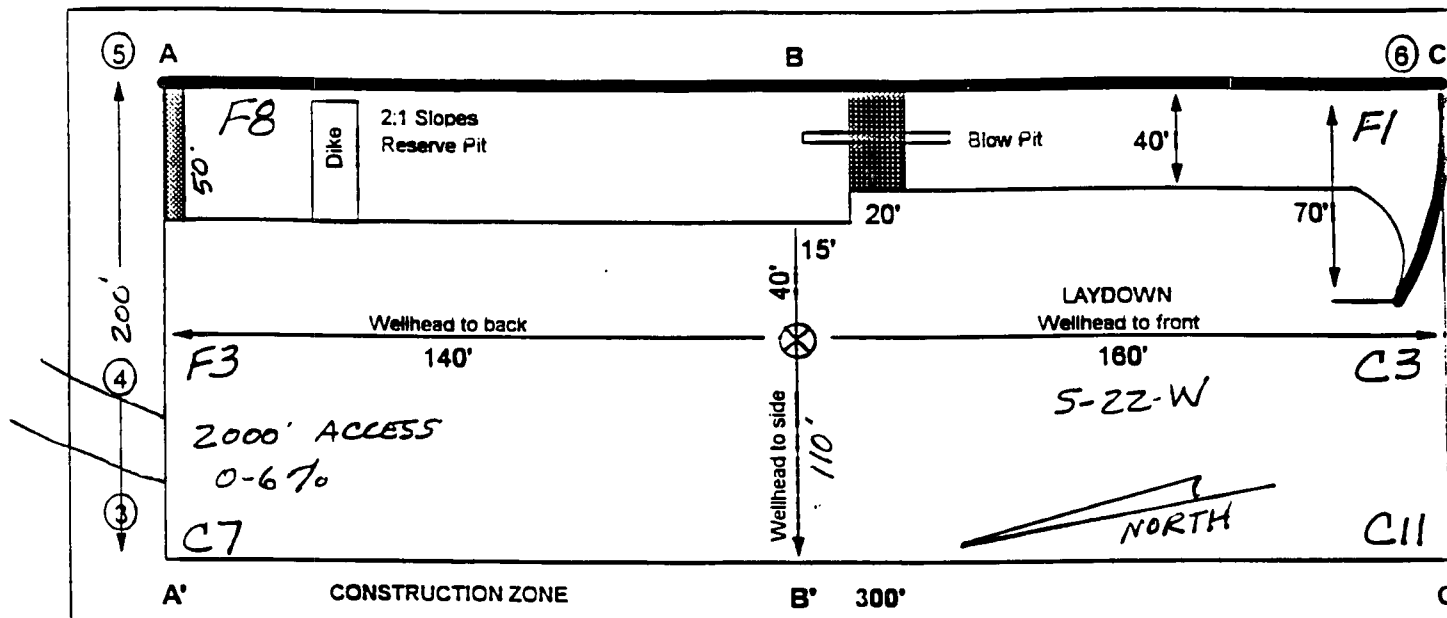


MERIDIAN OIL INC.
 Pipeline Map
 T-32-N, R-10-W
 San Juan County, New Mexico
 San Juan 32-9 Unit #39A
 Map 1A

BURLINGTON RESOURCES

PLAT #1

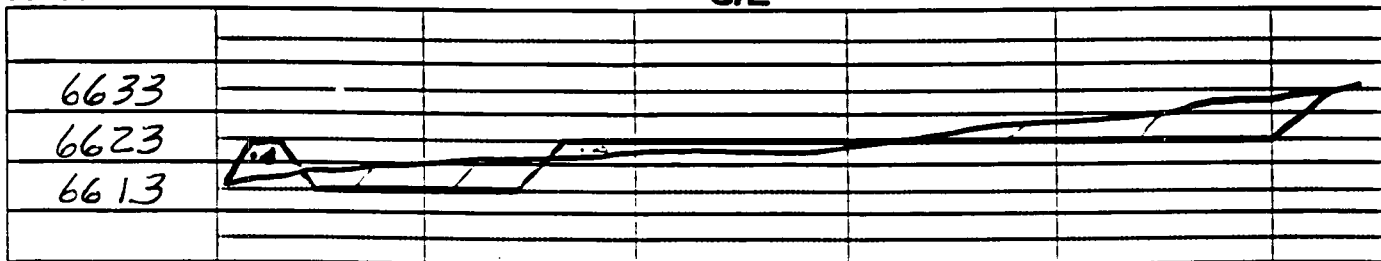
NAME: SAN JUAN 32-9 UNIT #39 A
 FOOTAGE: 2340 FSL 900 FEL
 SEC 26 TWN 32 N.R. 10 W NMPM
 CO: SAN JUAN ST: N.M.
 ELEVATION: 6623 DATE: 4-23-97



Reserve Pit Dike: to be 6" 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.

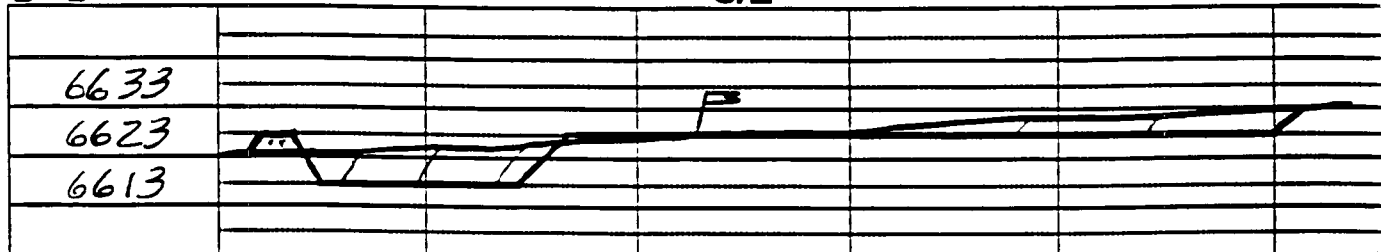
A - A'

C/L



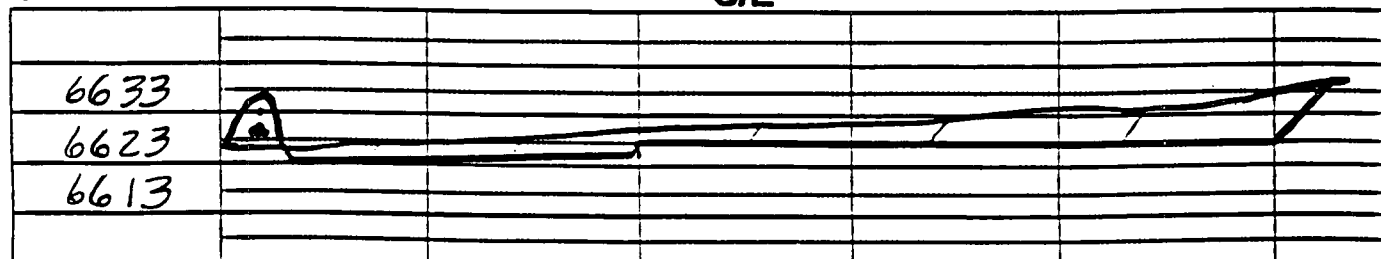
B - B'

C/L



C - C'

C/L

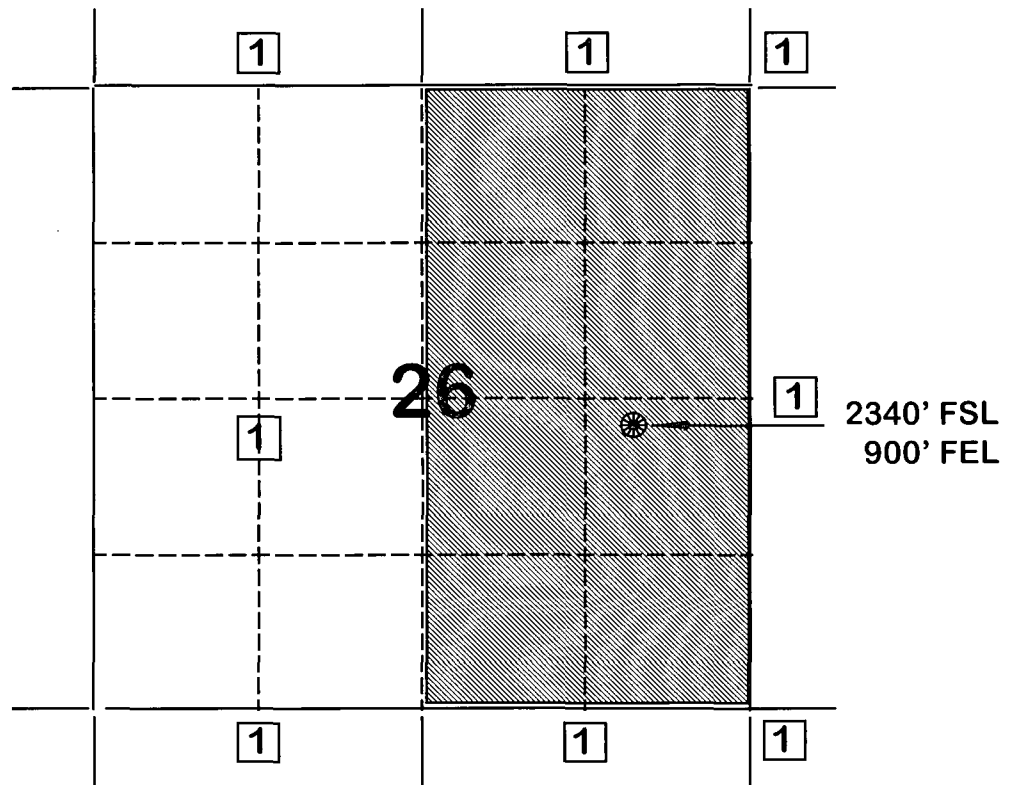


Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or on well pad and/or access road at least two (2) working days prior to construction.

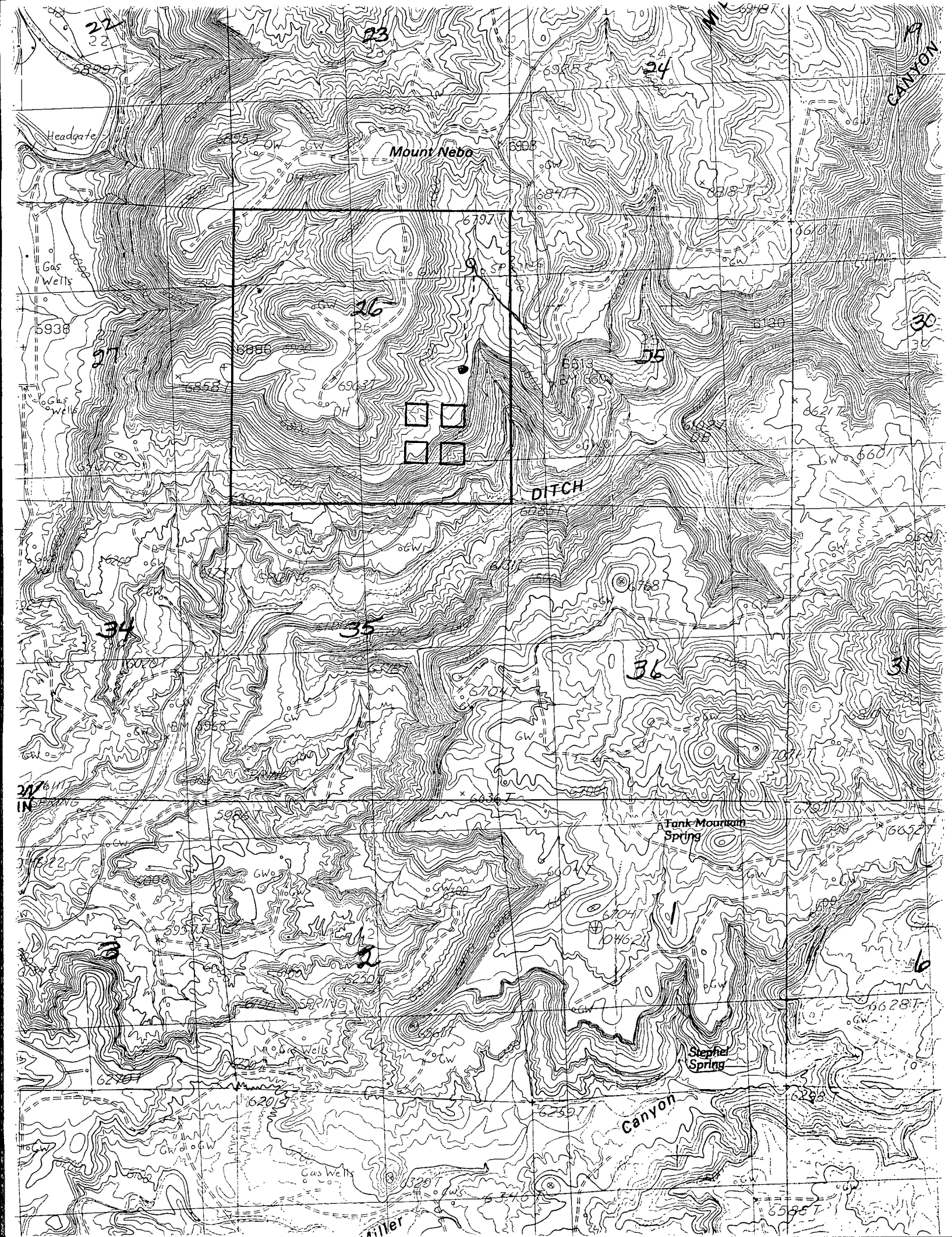
BURLINGTON RESOURCES OIL AND GAS COMPANY

**San Juan 32-9 Unit #39A
OFFSET OPERATOR \ OWNER PLAT
Nonstandard Location
Mesaverde Formation Well**

Township 32 North, Range 10 West



1) Burlington Resources Oil and Gas Company



CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

06/04/97 12:22:54
OGOMES -EMFW
PAGE NO: 1

Sec : 26 Twp : 32N Rng : 10W Section Type : NORMAL

4 37.43 Federal owned U	3 37.43 Federal owned U	2 37.43 Federal owned U A	1 37.44 Federal owned U A
5 37.54 Federal owned U	6 37.54 Federal owned U A	7 37.54 Federal owned U	8 37.55 Federal owned U

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

74.97

74.99
74.97

149.96

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

06/04/97 12:23:00
OGOMES -EMFW
PAGE NO: 2

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13 37.76 Federal owned U	14 37.76 Federal owned U	15 37.77 Federal owned U	16 37.77 Federal owned U

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

75.43
75.43
140.86
149.96
290.82