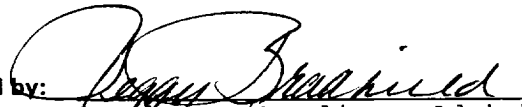


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
BLM

97 AUG -4 PM 1:14
070 FARMINGTON, NM

| | |
|---|---|
| 1a. Type of Work DRILL | 5. Lease Number SF-080713B |
| 1b. Type of Well GAS | Unit Reporting Number 8910005380 |
| 2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538 | 6. If Indian, All. or Tribe |
| 3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 7. Unit Agreement Name San Juan 30-6 Unit ✓ |
| 4. Location of Well 1410' FNL, 1995' FWL Latitude 36° 49.0, Longitude 107° 26.0 | 8. Farm or Lease Name 7469 San Juan 30-6 Unit |
| | 9. Well Number 42A ✓ |
| 10. Field, Pool, Wildcat 72319 Blanco Mesa Verde | 11. Sec., Twn, Rge, Mer. (NMPM) F Sec 14, T-30-N, R-6-W |
| | API# 30-039-25103 ✓ |
| 14. Distance in Miles from Nearest Town 8 miles to Gobernador | 12. County Rio Arriba |
| | 13. State NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line 1410' | |
| 16. Acres in Lease | 17. Acres Assigned to Well 320 W/2 320 W/2 |
| 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 3000' | |
| 19. Proposed Depth 5717' | 20. Rotary or Cable Tools Rotary |
| This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4. | |
| 21. Elevations (DF, FT, GR, Etc.) 6155' GR | 22. Approx. Date Work will Start |
| 23. Proposed Casing and Cementing Program See Operations Plan attached | DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" |
| 24. Authorized by:  Regulatory/Compliance Administrator | 6/9/97 Date |

PERMIT NO. _____

APPROVAL DATE

MAR 15 1997

APPROVED BY _____

TITLE _____

DATE _____

Archaeological Report to be submitted by Arboles Contract Archaeology
Threatened and Endangered Species Report to be submitted
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

HOLD C-104 for NTE @ NMOC

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer 00, Artesa, NM 88211-0719
District III
1000 Rio Arriba 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
Revised February 2
Instructions
Submit to Appropriate District
State Lease - 4
Fee Lease - 3

☐ AMENDED R

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|----------------------------|---|--|
| API Number 30-039-25803 | Pool Code 72319/71599 | Pool Name Blanco Mesaverde/Basin Dakota |
| Property Code 7169 | Property Name San Juan 30-6 Unit | Well Number 42A |
| OGRID No. 14538 | Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY | Elevation 6155' |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F | 14 | 30-N | 6-W | | 1410 | North | 1995 | West | R.A. |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

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

W/320 & W/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 | 5268.12' | 1410' | 1995' | 5280.00' | 14 | 5268.12' |
| RECEIVED MAR 11 1998 OIL CON. DIV. DIST. 3 NMSF-080713B | | | | | | 17 OPERATOR CERTIFICATE I hereby certify that the information contained here is true and complete to the best of my knowledge as Peggy Bradfield Signature Peggy Bradfield Printed Name Regulatory Administrator Title 2/11/98 Date |
| | | | | | | 18 SURVEYOR CERTIFICATE I hereby certify that the well location shown on this was plotted from field notes of actual surveying or under my supervision, and that the same is correct to the best of my belief. 5/13/97 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6867 6857 Certificate Number |

OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #42A
Location: 1410' FNL, 1995' FWL Section 14, T-30-N, R-6-W
Rio Arriba County, New Mexico
Latitude 36° 49.0, Longitude 107° 26.0
Formation: Blanco Mesa Verde
Elevation: 6155' GL

| <u>Formation Tops:</u> | <u>Top</u> | <u>Bottom</u> | <u>Contents</u> |
|------------------------|------------|---------------|-----------------|
| Surface | San Jose | 2202' | aquifer |
| Ojo Alamo | 2202' | 2252' | aquifer |
| Kirtland | 2252' | 2620' | |
| Fruitland | 2620' | 2965' | gas |
| Pictured Cliffs | 2965' | 3115' | gas |
| Lewis | 3115' | 3802' | gas |
| Intermediate TD | 3215' | | |
| Mesa Verde | 3802' | 5014' | gas |
| Massive Cliff House | 5014' | 5073' | gas |
| Menefee | 5073' | 5317' | gas |
| Massive Point Lookout | 5317' | | gas |
| Total Depth | 5717' | | |

Logging Program:

Cased hole logging - Gamma Ray Neutron
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 |
| 200-3215' | LSND | 8.4-9.0 | 30-60 | no control |
| 3215-5717' | 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>Csq. Size</u> | <u>Wt.</u> | <u>Grade</u> |
|------------------|-----------------------|------------------|------------|--------------|
| 12 1/4" | 0' - 200' | 9 5/8" | 32.3# | H-40 |
| 8 3/4" | 0' - 3215' | 7" | 20.0# | J-55 |
| 6 1/4" | 3065' - 5717' | 4 1/2" | 10.5# | J-55 |

Tubing Program:

0' - 5717' 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.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

RECEIVED
MAR 1 1 1998

907512 11 3-47

OTO FARMINGTON, NM

1. Type of Well
GAS

5. Lease Number
SF-080713B

6. If Indian, All. or
Tribe Name

2. Name of Operator

OIL CON. DIV.

DIST. 3

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

San Juan 30-6 Unit

8. Well Name & Number

San Juan 30-6 U #42A

9. API Well No.

30-039-

4. Location of Well, Footage, Sec., T, R, M

1410' FNL, 1995' FWL, Sec.14, T-30-N, R-6-W, NMPM

10. Field and Pool

Blanco MV/Basin DK

11. County and State

Rio Arriba Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other -

☒ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

An application for permit to drill has been submitted for the subject well as a single Mesaverde. It is now intended to drill and complete the well as a Mesaverde Dakota dual. A revised C-102 well location plat is attached. The new proposed total depth is now 7632'. The revised casing and cementing program is as follows: a 5 1/2" 15.5# K-55 flushjoint liner will be run from 3115-7632'. The 5 1/2" production liner will be cemented as follows: cement to cover a minimum of 100' of 5 1/2" x 7" overlap with 229 sx Class "B" 50/50 poz w/2% gel, 5 pps Gilsonite, 0.25 pps Cellophane, 0.4% fluid loss additive (304 cu.ft., 40% excess cement). WOC a minimum of 18 hours prior to completion. A cement float shoe will be run on bottom with float collar on top of the shoe joint. Note: to facilitate higher hydraulic stimulation, no liner hanger will be used. Instead, a longstring of 5 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 5 1/2" and 7" casing strings. After completion of the well, a 5 1/2" CIBP will be set above the last fracturing job to cut and pull the 5 1/2" casing above the 7" casing shoe. The 5 1/2" bridge plug will then be milled and two strings of tubing with a packer will be run for a dual completion.

A variance is requested from Onshore Order #2, III, B. The casing collar clearance in the 5 1/2" flushjoint/6 1/4" hole will be 0.375", a 0.047" variance.

14. I hereby certify that the foregoing is true and correct.

Signed *Reggie Bradfield* (KASPUD) Title Regulatory Administrator Date 2/12/98

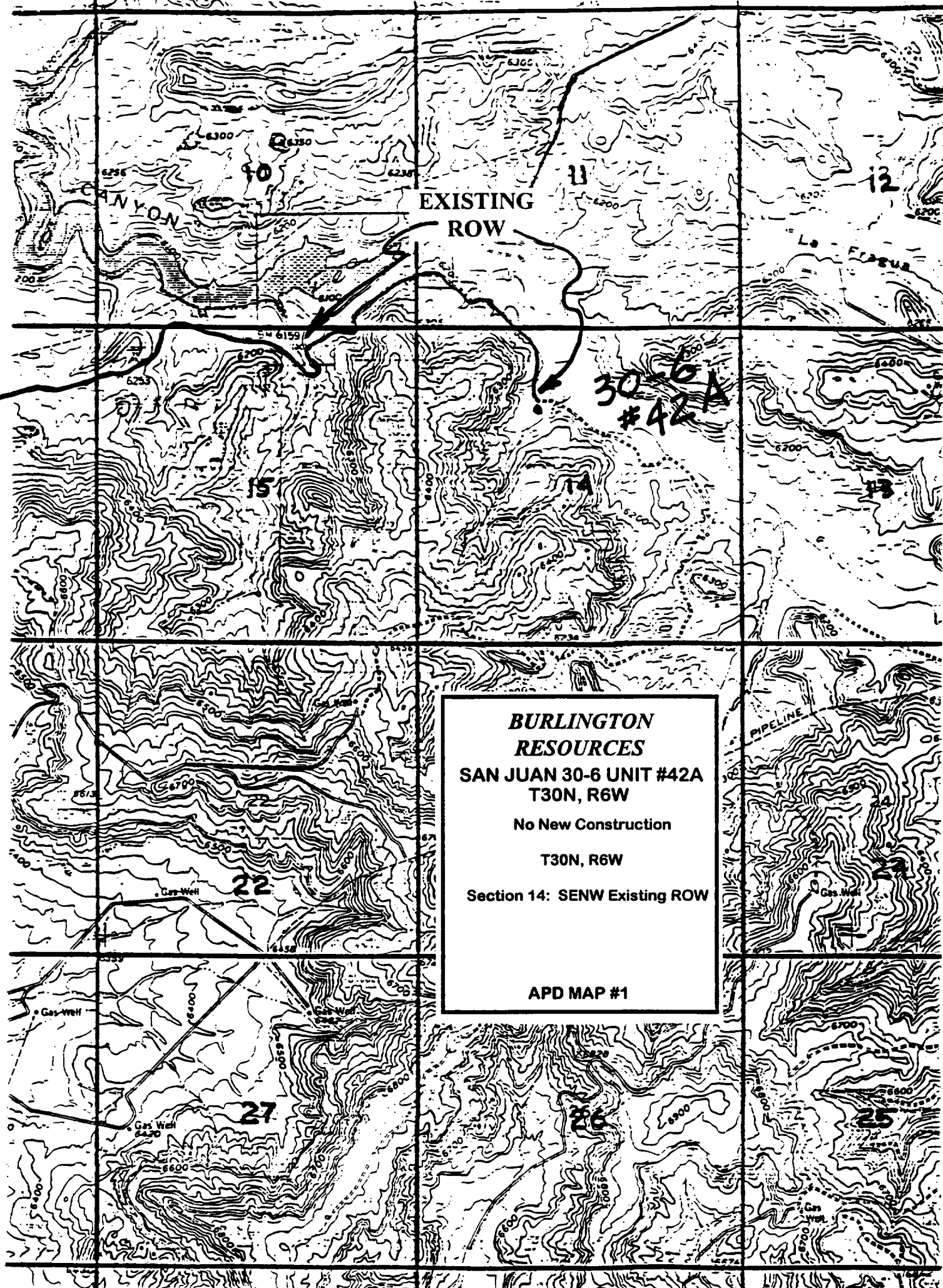
(This space for Federal or State Office use)

APPROVED BY *AS/Dennis W. Spencer* Title _____

CONDITION OF APPROVAL, if any:

Date MAR 09 1998

NMOCD



EXISTING
ROW

30-6
#42A

**BURLINGTON
RESOURCES**
SAN JUAN 30-6 UNIT #42A
T30N, R6W
No New Construction
T30N, R6W
Section 14: SENW Existing ROW
APD MAP #1