UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

| | APPLICATION FOR F | ERMIT TO DRILL, DEEPEN, OR | PLUG BACK |
|--------|--|--|--|
| | | 900 | 1 JAN 19 AM 8 36 |
| 1a. | Type of Work | 5:°E | ease Number |
| | DRILL | | NMSF-078424 Jnit Reporting Number |
| | | | OTO FAR HILD OF |
| 1b. | Type of Well | JAN 2008 0 6. II | f Indian, All. or Tribe |
| | GAS | AECENED 76. I | |
| | | The state of the s | |
| 2. | Operator 11/20 | | Jnit Agreement Name |
| | BURLINGTON 14538 | 3 X X Y | M-078417B-OK NMNM-07 |
| | RESOURCES Oil & Gas Com | pany, LP | Juan 29-7 Unit |
| | Address O Divers No. of Occasion | Tialla is | (7465) |
| 3. | Address & Phone No. of Operator PO Box 4289, Farmington, | | Farm or Lease Name |
| | ro box 4203, raimingcon, | | Vell Number |
| | (505) 326-9700 | 5. • | #49M |
| | | | |
| 4. | Location of Well | | Field, Pool, Wildcat |
| | Surface - Unit C (NENW), 1250' FNL | & 1720' FWL Bas | in DK / Blanco MV |
| | Est. BH - Unit G 1500' FNL & 2540 | FEL, 7/5 | 72319 |
| | - 4 | | |
| | Surface - Latitude 36º 42.9178'N | | Sec., Twn, Rge, Mer. (NMPM) |
| | Surface - Longitude 107 ⁰ 35.8112'W Est. BH - Latitude - 36.42.8758'N | | . 20, T29N, R07W |
| | Est. BH - Longitude - 107.35.6028's | | |
| | | · · · · · · | # 30-039- 29763 |
| 14. | Distance in Miles from Nearest Town | 12. | County 13. State |
| | | Rio | Arriba NM |
| 45 | Distance for Breeze distance in the | | |
| 15. | Distance from Proposed Location to N 1500' | earest Property or Lease Line | |
| 16. | Acres in Lease | 17. | Acres Assigned to Well |
| | | | - MV/DK - 320 acres |
| | | | |
| 18. | Distance from Proposed Location to N | earest Well, Drlg, Compl, or Applied | d for on this Lease |
| 10 | 307' from SJ 29-7 #45A | • | |
| 19. | Proposed Depth 8105' TVD - 8238' TMD | 20. | Rotary or Cable Tools |
| | 8103 IVD - 8236 IMD | | Rotary |
| 21. | Elevations (DF, FT, GR, Etc.) | 22 | Approx. Date Work will Start |
| | 6913' GL | | The state of the s |
| | | | |
| 23. | Proposed Casing and Cementing Prog | | |
| | See Operations Plan attac | ched | |
| | Sat Oa | \bigcirc | 1/10/06 |
| 24. | Authorized by: May (ll | exit | 1/11/06 |
| | • | Specialist Date | e |
| | | | |
| | | | |
| PERM | T NO. | APPROVAL DATE | |
| A DDD | OVED BY Jum Ovalo | TITLE ALLOW AGM | DATE 1 2 2 |
| AFFN | WED BI | THE FERMA HAND | DATE 1/26 66 |
| | | | ` |
| Archa | eological Report attached | / | |
| | ened and Endangered Species Report at | maleo a HOLD C194 FGR C | irectional survey |
| | This format is issued in lieu of U.S. BLM For | | |
| United | 3 U.S.C. Section 1001, makes it a crime for a States any false, fictitious or fraudulent state | ments or presentations as to any matte | r within ite juriediction |
| | | A TOTAL OF THE TOT | W/3 WW 1 670 690 1870 |
| | | AT AUGUD proceduration for and appear in region to at | THE Entre 4.1 |

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

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

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

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505 Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

2005 JRN 19 AT AMENDED REPORT

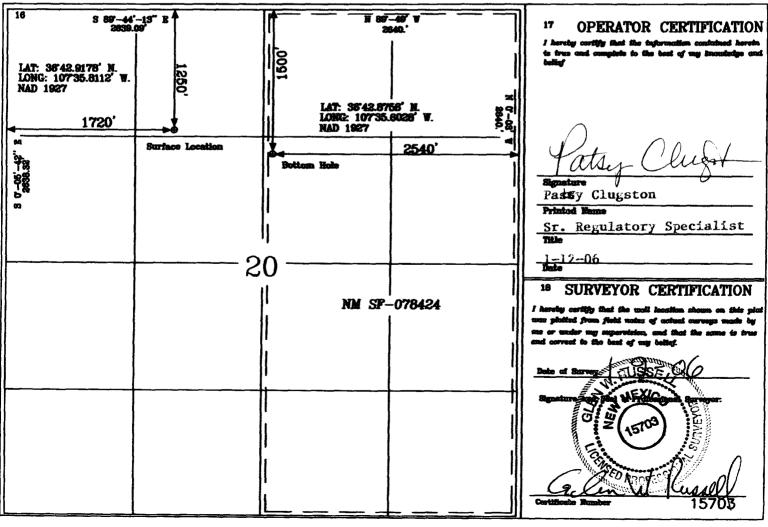
DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PEATIVED

| ¹ API Number | | Pool Code Pool Rame | | |
|---------------------------------------|----------------------------|----------------------|------------------------------|---------------|
| ¹ API Number 30-039- 20 | 9703 | 72319-71599 | Blanco Mesaverde/ Basin Dako | ota |
| ⁴ Property Code | ⁶ Preparty Name | | | * Veil Humber |
| 7465 J | | san juan | 29-7 UNIT | 49M / |
| *OGRID No. | | •Оре | erator Name | * Elevation |
| 14538 🗸 | | BURLINGTON RESOURCES | OIL AND GAS COMPANY LP | 6913' |

¹⁰ Surface Location East/West line UL or lot mo. Section Lot Ide North/South line Feet from the County 7-¥ NORTH WEST RIO ARRIBA C 20 29-N 1250 1720 ¹¹ Bottom Hole Location If Different From Surface UL or lot no. Section Let lib Feet from the Herth/Bouth line Feet from the East/Vest line County RIO ARRIBA 29-N 7-W NORTH EAST 20 1500 2540 Dedicated Acres Joint or Infill *Order No. E2 MV/DK 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

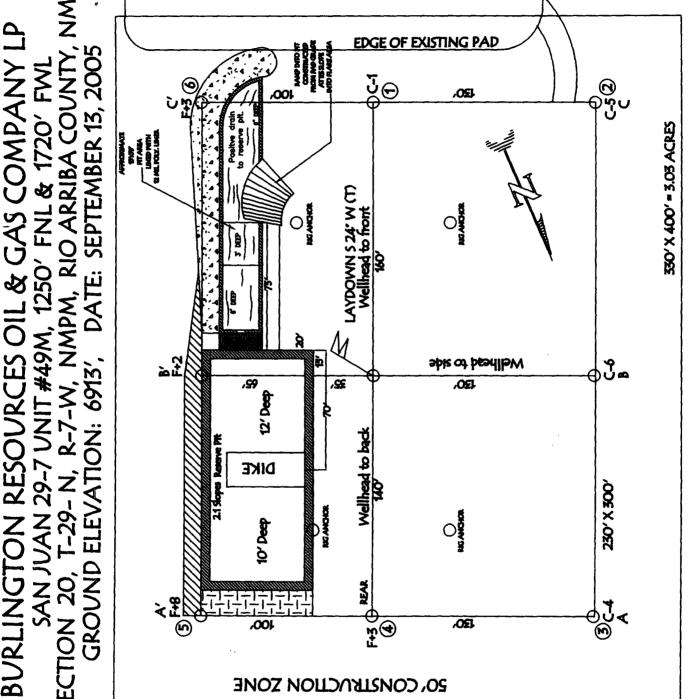


| Submit 3 Copies To Appropriate District Office | State of New Mexico | Form C-103 |
|---|--|--|
| District I | Energy, Minerals and Natural Resources | May 27, 2004 |
| 1625 N. French Dr., Hobbs, NM 88240 District II | | WELL API NO. 30-039- 29703 |
| 1301 W. Grand Ave., Artesia, NM 88210 | OIL CONSERVATION DIVISION | 5. Indicate Type of Lease STATE FEE |
| District III 1000 Rio Brazos Rd., Aztec, NM 87410 | 1220 South St. Francis Dr. Santa Fe, NM 87505 | 6. State Oil & Gas Lease No. |
| District IV | · | |
| 1220 S. St. Francis Dr., Santa Fe, NM 8750 | 05 ES AND REPORTS ON WELLS | NMSF-078424 7. Lease Name or Unit Agreement Name |
| (DO NOT USE THIS FORM FOR PROPOSALS | TO DRILL OR TO DEEPEN OR PLUG BACK TO A | _ |
| DIFFERENT RESERVOIR. USE "APPLICATIO PROPOSALS.) | N FOR PERMIT" (FORM C-101) FOR SUCH | San Juan 29-7 Unit |
| 1. Type of Well: | Other | 8. Well Number #49M |
| Oil Well Gas Well X 2. Name of Operator | Other | 9. OGRID Number |
| BURLINGTON RESO | URCES OIL & GAS COMPANY LP | 14538 |
| 3. Address of Operator 3401 E. 30TH STR | EET, FARMINGTON, NM 87402 | 10. Pool name or Wildcat Basin DK / Blanco MV |
| 4. Well Location Unit Letter C: 1 | 250 feet from the North line and | 1720' feet from the West line |
| Section 20 | Township 29N Rng 7 | |
| 11.1 | Elevation (Show whether DR, RKB, RT, GR, etc.) 6913' GL | |
| Pit or Below-grade Tank Application | or Closure | |
| Pit type New Drill Depth to Groundw | ater >100' Distance from nearest fresh water well | >1000' Distance from nearest surface water >1000' |
| Pit Liner Thickness: n/a | mil Below-Grade Tank: Volume | bbls; Construction Material |
| | Appropriate Box to Indicate Nature of N | · • |
| NOTICE OF IN | | SUBSEQUENT REPORT OF: |
| PERFORM REMEDIAL WORK TEMPORARILY ABANDON | | IAL WORK ALTERING CASING ALTERING CASING P AND A |
| PULL OR ALTER CASING | MULTIPLE COMPL CASING | CEMENT JOB |
| OTHER: New | Drill X OTHER: | |
| | ed operations. (Clearly state all pertinent details, and | |
| of starting any proposed work). or recompletion. | . SEE RULE 1103. For Multiple Completions: Att | ach wellbore diagram of proposed completion |
| or recompletion. | | |
| | | |
| | | |
| | | |
| New Drill, Unlined: | | |
| Burlington Resources proposes to con | nstruct a new drilling pit and an associated vent/flar | e pit. Based on Burlington's interpretation of the |
| | new drilling pit and vent/flare pit will be an unlined | |
| | | ne NMOCD office. A portion of the vent/flare pit will be ia. Burlington Resources anticipates closing these pits |
| | Pit Closure Procedure dated August 2, 2004 on file | |
| | | |
| | | |
| | | |
| | | |
| I hereby certify that the information abo | we is true and complete to the best of my knowledge | and belief. I further certify that any pit or below- |
| | | |
| TITA (| ed according to NMOCD guidelines, a general permit | X or an (attached) alternative OCD-approved plan . |
| SIGNATURE / Cluy | ed according to NMOCD guidelines, a general permit | X or an (attached) alternative OCD-approved plan Regulatory Specialist DATE 1/17/2006 |
| | ed according to NMOCD guidelines, a general permit | |
| | ed according to NMOCD guidelines, a general permit | Regulatory Specialist DATE 1/17/2006 |
| Type or print name For State Use Only APPPROVED BY | TITLE Sr. Clugston E-mail address: pclugston | Regulatory Specialist DATE 1/17/2006 |
| Type or print name Patsy For State Use Only | TITLE Sr. Clugston E-mail address: pclugston | Regulatory Specialist DATE 1/17/2006 n@br-inc.com Telephone No. 505-326-9518 CAS INSECTION 10 2006 |

MIPLINES OR CABLES ON WELL AND AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CONTRACTOR SHOVID CALL CINE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

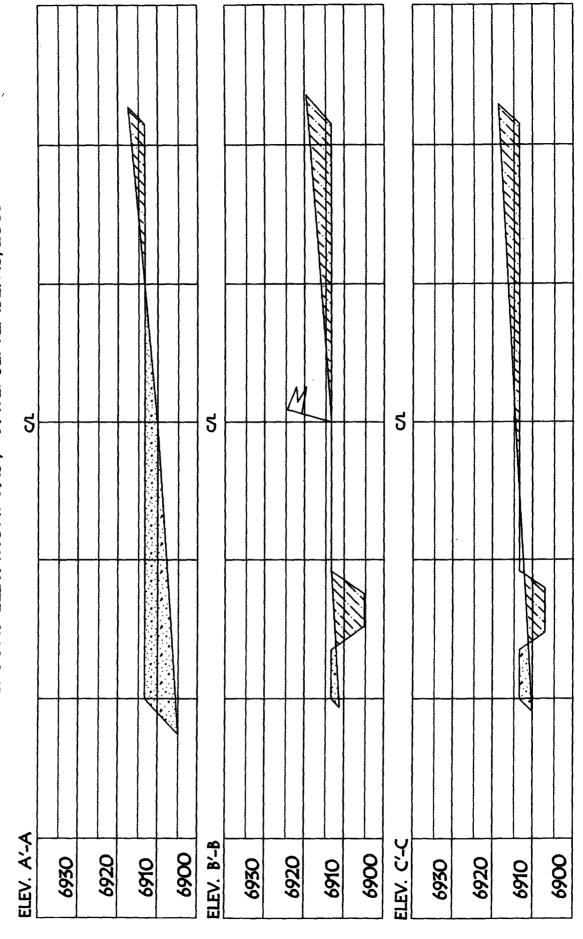
CONSTRUCTION.



RESERVE 141 DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

LATITUDE: 36' 42.978' N LONGITUDE: 107' 35.8112' W NADZ7

SAN JUAN 29-7 UNIT #49M, 1250' FNL & 1720' FWL SECTION 20, T-29- N, R-7-W, NMPM, RIO ARRIBA COUNTY, NM BURLINGTON RESOURCES OIL & GAS COMPANY LP GROUND ELEVATION: 6913', DATE: SEPTEMBER 13, 2005



PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. CONTRACTOR SHOVID CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED NOTE: VECTOR SURVEYS IS NOT LLABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SAN JUAN 29-7 UNIT #49M OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #49M

Location Rio Arriba County, New Mexico

Surface: 1250' FNL, 1720' FWL, Section 20, T-29-N, R-7-W

Latitude 36° 42.9178'N, Longitude 107° 35.8112'W

Bottom Hole: 1500' FNL, 2540' FEL, Section 20, T-29-N, R-7-W

Latitude 36° 42.8756'N, Longitude 107° 35.6028'W

Formation Blanco Mesa Verde/Basin Dakota

Elevation 6901'GL

| Formation Tops | Top (TVD) | Top (TMD) | <u>Contents</u> |
|------------------------|--------------------|-----------|-----------------|
| Surface | San Jose | | |
| Ojo Alamo | 2715' | 2786' | aquifer |
| Kirtland | 2843' | 2919' | gas |
| Fruitland | 3380' | 3475' | gas |
| Pictured Cliffs | 3650' | 3755' | gas |
| Lewis | 3810' | 3920' | gas |
| Huerfanito Bentonite | 4285' | 4413' | gas |
| Chacra | 4635' | 4768' | gas |
| Intermediate set point | : 150' into Chacra | | J |
| Massive Cliff House | 5374' | 5507' | gas |
| Menefee | 5480' | 5613' | gas |
| Massive Point Lookout | 5828' | 5961' | gas |
| Mancos | 6278' | 6411' | gas |
| Gallup | 7085' | 7218' | gas |
| Greenhorn | 7805' | 7938' | gas |
| Graneros | 7858' | 7991' | gas |
| Two Wells | 7904' | 8037' | gas |
| Upper Cubero | 8016' | 8149' | gas |
| Lower Cubero | 8041' | 8174' | gas |
| Encinal | 8105' | 8238' | • |
| TD | 8105' | | |

Logging Program

Cased Hole - CBL-GR- TD to surface

Open Hole - None

Mud Program

| Interval (TMD) | <u>Type</u> | Weight | <u>Vis.</u> | Fluid Loss |
|----------------|-----------------------|---------|-------------|-------------|
| 0- 350' | Spud | 8.4-9.0 | 40-50 | no control |
| 350- 4918' | Non-dispersed | 8.4-9.0 | 30-60 | less than 8 |
| 4918'- 8238' | Air/Air Mist/Nitrogen | n/a | n/a | n/a |

Drilling (Reference Plot #1)

Surface Hole

Drill to surface casing point of 350' and set 9 5/8" casing.

Intermediate Hole

Mud drill to kick off point of 400'. At this point the well will be directionally drilled by building 3.0 degrees per 100' with an azimuth of 103.79 degrees. The end of the build will be at a TVD of 899', a TMD of 905', a reach of 66', and an angle of 15.14 degrees. This angle and azimuth will be held to a TVD of 4286', a TMD of 4414', and a reach of 983'. At this point the well will be drilled with a drop of 3.0 degrees per 100'. The end of the drop will be at a TVD of 4785', a TMD of 4918', a reach of 1049', and an angle of 0.0 degrees. 7" casing will be set at this point.

Production Hole

From the shoe of the intermediate string, the well will be drilled vertically with an air hammer to a TMD of 8238' (TVD of 8105'). 4 ½" casing will be set at this point.

Materials

Casing program

| Hole Size | Interval (TMD) | Csg. Size | <u>Weight</u> | <u>Grade</u> |
|-----------|----------------|-----------|---------------|--------------|
| 12 1/4" | 0' - 350' | 9 5/8" | 32.3# | H-40 |
| 8 3/4" | 350' - 4918' | 7" | 23# | L -80 |
| 6 1/4" | 4918' - 8238' | 4 1/2" | 11.6# | L-80 |

Tubing Program

| Hole Size | <u>Interval</u> (TMD) | <u>Csg. Size</u> | <u>Weight</u> | <u>Grade</u> |
|-----------|-----------------------|------------------|---------------|--------------|
| 2 3/8"` | 0' - 8238' | 2 3/8" | 4.7# | J-55 |

Wellhead Equipment

9 5/8" x 7" X 4 1/2" x 2 3/8" - 11" (2000 psi) wellhead assembly

Cementing:

9 5/8" surface casing conventionally drilled: 200% excess cement to bring cement to surface
Run 329 ft³ (257 sks) Type III cement with 3% CaCl₂ and 1/4 pps celloflake (1.28 sks/ ft³). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60° 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.

7" production casing: 50% excess cement to bring cement to surface
Lead with 985 ft³ (462 sl·s) Premium Lite w/ 3% CaCl₂, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS
(2.13 sks/ft³). Tail with 124 ft³ (90 sks) Type III cmt. w/ 1% CaCl₂, 0.25 pps Cello-Flake and 0.2% FL-52 (1.38 sks/ft³). If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC.

4 ½" production casing: 30% excess cement to achieve 100' overlap with intermediate casing
Run 455 ft³ (230 sks) Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 (1.98 sks/ft³).

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

BOP and Tests:

BAR

Surface to production TE: - 11", 2000 psi double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams and casing to 600 psi for 30 minutes.

Surface to Total Depth – choke manifold (Reference Figure #2).

Pipe rams will be actuated at least once each day and blind rams will be actuated once each trip to test proper functioning. A Kelly cocl: valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

BOPE tests will be performed using an appropriately sized test plug and test pump and will be recorded using calibrated test gauges and a properly calibrated strip or chart recorder. The test will be recorded in the driller's log and will include a low pressure test requirement of 250 psig held for five minutes and a high pressure test requirement held for ten minutes as described in Onshore Order No. 2 or otherwise noted in the APD. A successful BOPE test using a test plug is considered when no pressure drop occurs over the duration of the test. Test gauges and recorders must be of the proper range and resolution commensurate with the authorized test pressure. Where the intermediate casing strings are used, only one BOPE test will be necessary contingent upon the test being conducted to the highest approved test pressure to which BOPE will be expused. Casing pressure tests must be held for 30 minutes with no more than 10 percent pressure drop during the duration of the test.

Additional Information

- This gas is dedicated.
- The East half of sec ion 20 is dedicated to the Mesaverde and Dakota of this well.
- New casing will be utilized.
- Pipe movement (reciprocation) will be done if hole conditions permit.
- No abnormal pressure zones are expected.
- BHP is expected to be 2000 psi.

Drilling Engineer

Date

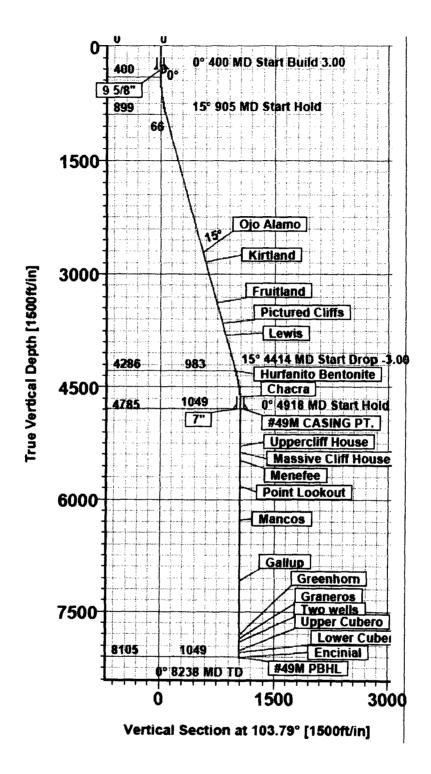
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seure or greater excluding 600 pel abhaping head. he BOP. Ali BOP equipment is 2000 pal working se name. A stripping head to be insta

10-02-4

Figure #1

10-02-4



Plot 1: Directional plan for SJ 29-7 49M 1