ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -2040 South Pacheco, Santa Fe, NM 87505



93/6

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

| [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-Sait 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] 5 5 [A] Location - Spacing Unit - Directional Drilling |
| NSL INSP IDD ISD APR - 2 1999 |
| Check One Only for [B] or [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] |
| [F] Waivers are Attached |
| [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification |
| I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules a Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrat approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, ORRI) is common. <i>I understand that any omission of data</i> (including API numbers, pool codes, etc.), perting information and any required notification is cause to have the application package returned with no action taken. |
| Note: Statement must be completed by an individual with managerial and/or supervisory capacity. |
| Print or Type Name Signature Title Date |

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals and Natural Resources Department **OIL CONSERVATION DIVISION**

Form C-107-A New 3-12-96

_X_YES __ NO

DISTRICT II

811 South First St., Artesia, NM 88210-2835

1000 Rio Brazos Rd, Aztec, NM 87410-1693

2040 S. Pacheco Santa Fe, New Mexico 87505-6429

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS: _X_ Administrative ____Hearing

DISTRICT III

EXISTING WELLBORE

Burlington Resources Oil & Gas Company

TYPE OR PRINT NAME Mike Pippin

PO Box 4289, Farmington, NM 87499

| Operator | Addr | | 6411 111 |
|---|--|--|--|
| MORRIS A | | l5-30N-11W | SAN JUAN |
| Lease | Well No. Unit I | tr Sec - Twp - Rge | County iit Lease Types: (check 1 or more) |
| OGRID NO14538 Property Code | 7326 API NO. 30-45-263740 | • | , |
| | | | |
| The following facts are submitted in support of downhole commingling: | Upper Zone | Intermediate Zone | Lower Zone |
| Pool Name and Pool Code | Chacra - 82329 | | Mesaverde - 72319 |
| Top and Bottom of Pay Section (Perforations) | 3095' 3448' | | 4435'-4717' , 4756'-5000, |
| 3. Type of production (Oil or Gas) | Gas | | Gas |
| Method of Production (Flowing or Artificial Lift) | Flowing | | Flowing |
| 5. Bottomhole Pressure | (Current) Est. a. N/A | a. | a. 344.8 |
| Oil Zones - Artificial Lift: Estimated Current | | | |
| Gas & Oil - Flowing: Measured | (Original) Est. b. N/A | b. | b. 1308.8 |
| Current All Gas Zones: Estimated or Measured | D. 107 | | |
| 6. Oil Gravity (°API) or Gas BTU Content | BTU N/A | | BTU 1216 |
| 7. Producing or Shut-In? | Not yet completed | | Producing |
| Production Marginal? (yes or no) | Yes | | Yes |
| * If Shut-jn and oil/gas/water | Date: n/a | Date: | Date: n/a |
| rates of last production | Rates: | Rates: | Rates: |
| Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data | | | |
| * If Producing, give data and oil/gas/water water of recent test (within 60 days) | Date: n/a Rates: n/a | Date: Rates: | Date: n/a Rates: 102 MCF/D |
| 8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%) | Oil: Gas: % | Oil: Gas: % | Oil: Gas: % |
| | will be supplied upon completion | | with the supplied about completion |
| If allocation formula is based submit attachments with supp Are all working, overriding, and If not, have all working, overrid Have all offset operators been Will cross-flow occur? _x | l royalty interests identical in all ling, and royalty interests been given written notice of the prop | commingled zones? notified by certified mail? osed downhole commingling? | _x_YesNo YesNo _x_YesNo |
| production be recovered, and | will the allocation formula be re | liablex YesNo(If N | o, attach explanation) |
| 12. Are all produced fluids from all | - | · —· — | |
| 13. Will the value of production be | , , , , , | | · |
| 14. If this well is on, or communi Bureau of Land Management ha | tized with, state or federal land is been notified in writing of this | ds, either the Commissioner of applicationXYes No | Public Lands or the United State |
| 15. NMOCD Reference Cases for Re | ule 303(D) Exceptions: ORDER | NO(S) | number of the |
| " Notification list of al | il oπset operators. orking, overriding, and royalty i ments, data, or documents requi | pacing unit and acreage dedicat (If not available, attach explana duction rates and supporting dat nterests for uncommon interest of red to support commingling. | eases. |
| I hereby certify that the inform | nation above is true and cor | nnlete to the hest of my kno | wladge and halief |
| SIGNATURE Lype | レTITLEProd | uction EngineerDA | TE03-29-99 |

TELEPHONE NO. (505) 326-9700

District I PO Box 1980, 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-10 Revised February 21, 199 Instructions on bar

Instructions on bar Submit to Appropriate District Office

State Lease - 4 Copi Fee Lease - 3 Copi

AMENDED REPOR

WELL LOCATION AND ACREAGE DEDICATION PLAT 'Pool Code 'API Number 30-045-26492 /72319 WC:30NllWl5H Chacra/Blanco Mesaverde Property Code Well Number 7326 MORRIS A 13 'OGRID Na. Elevation *Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY 5851 14538 ¹⁰ Surface Location UL or lot no. Sect ion Feet from the North/South line County Feet from the East/West line 1450 _= Н 15 30N 11W NORTH 1110 EAST SAN JUA ¹¹Bottom Hole Location If Different From Surface UL or lot no. Sect ion Counting iot Ion Feet from the North/South line Feet from the East/West line County litini or initil 34 Consolidation Code S Order No. Cha - 160 MV-E/317.66NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION "OPERATOR CERTIFICATIO *NOT RESURVEYED* PREPARED FROM A PLAT BY FRED B. KERR, JR. **DATED JUNE 30, 1985** a hie ad Signature 1110' <u>Peggy Bradfield</u> Printed Name Regulatory Administrato Title Date *SURVEYOR CERTIFICATION I hereby certify that the well location shown on this was plotted from field notes of actual surveys made to runder my supervision, and that the same is true an correct to the best of my belief. FEBRUARY 27. 1999 Date of Suprey EDW METO 6857 685

Pertinent Data Sheet - MORRIS A #13 MV-LEWIS (CHACRA)

Location: 1450' FNL & 1110' FEL, Unit H, Section 15 T30N, R11W, San Juan County, New Mexico

Field: Blanco Mesaverde

Elevation:

5856' GL

Undesignated Chacra

11' KB

Completed: 9/10/85

Spud Date: 8/13/85

<u>TD:</u> 5060' <u>PBTD:</u> 5051'

<u>DP #:</u> MV: 54300A <u>Lease:</u> Fed: SF-078138

BRGWI: MV&CH: 100% BRNRI: MV: 84.375% CH: 85.00%

Prop#: 012648700

Initial Potential:

AOF=6334 MCF/D; Q=3532 MCF/D; SICP=1130 psi

Casing Record:

| Hole Size | Csg Size | Wt. & Grade | Depth Set | Cement | Cement (Top) |
|-----------|----------|-------------|------------------|---------|-----------------|
| 12-1/4" | 9-5/8" | 32.3# H-40 | 226' | 130 cf. | Circ to Surface |
| 8-3/4" | 7" | 20# K-55 | 2652' | 533 cf. | 700' - Survey |
| 6-1/4" | 4-1/2" | 10.5# K-55 | 2493'-5060' | 450 cf | Circ Cmt. |

Tubing Record:

 Tbg. Size
 Wt. & Grade
 Depth Set

 2-3/8"
 4.7# J-55
 5036'
 155 Jts

S.N. @ 5002'

Formation Tops:

| Ojo Alamo: | 910' |
|-----------------|-------|
| Kirtland Shale: | 1015' |
| Fruitland: | 2028' |
| Pictured Cliffs | 2290' |
| Chacra | 3091' |
| Mesaverde | 3872' |
| Menefee | 4096' |
| Point Lookout | 4614' |

Logging Record: Induction, Neutron Density, Temp Log.

Stimulation: Perf lower PL w/12-0.34" holes @ 4756', 72', 4800', 19', 32', 38', 53', 73', 4908', 38', 94', 5000'. Balled off & fraced w/67,000# sand in slick water.

Perfed PL w/17-0.34" holes @ 4435', 52', 59', 66', 80', 92', 4600', 20', 26', 32', 38', 43', 55', 66', 72', 92', 4717'. Balled off & fraced w/49,500# sand in slick water.

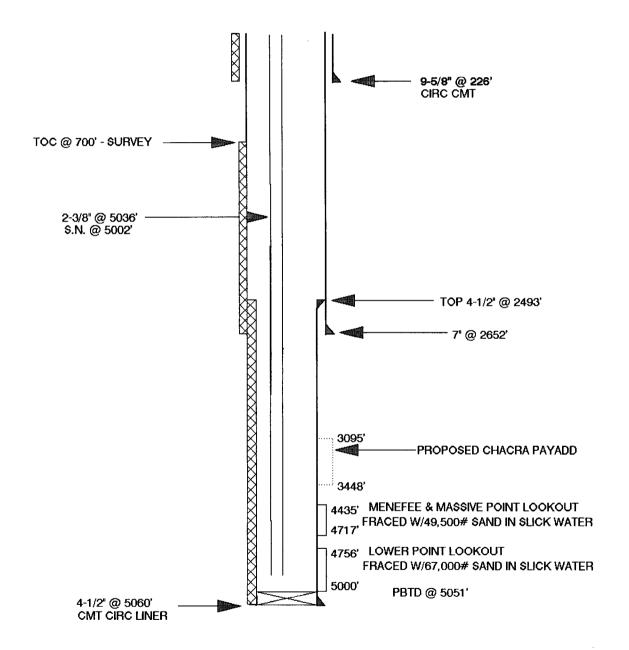
Workover History: NONE.

<u>Production history:</u> Well 1st delivered 1/9/86. Cumulative = 723 MMCF & 2302 BO w/current capacity of about 125 MCF/D.

Pipeline: EPNG

MORRIS A #13 MV-CH

UNIT H SECTION 15 T30N R11W SAN JUAN COUNTY, NEW MEXICO



MORRIS A #13 MV

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

| Mesaverde | Chacra |
|--|--|
| MV-Current | CH-Current |
| GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 0.696 C C D.696 0.696 0.696 0.696 0.696 0.696 0.696 0.696 0.696 0.696 0.696 0.696 0.696 0.696 0.696 0.796 0.896 0.996 | GAS GRAVITY 9,622 CORD OR MESC (CM) C C SN2 SCC2 SMC8 PHAMETER (IN) 15 EIEPTH (FT) 7853 SIRFAGE TEMPERATURE (DEG F) 60 BIOTTOMHOLE TEMPERATURE (DEG F) 195 FLOWRATE (NACPPD) D SURFACE PREGEDRE (PSIA) 810 SOTTOMHOLE PRESSURE (PSIA) 956.9 |
| MV-Original | DK-Original |
| GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) 125.4 | GAS GRAVET COND OR MISC (OM) C |

Page No.: 1

Print Time: Thu Feb 18 10:10:47 1999
Property ID: 10162
Property Name: MORRIS A | 13 | 54300A-1
Table Name: K:\ARIES\RR99PDP\TEST.DBF

| DATE | РНА | M FWHP- | M FBHP- | M SIWHP Psi | M SIBHP |
|----------|-----|---------|---------|----------------|---------|
| | | | | | ~ |
| 01/01/86 | | | | 1130.0 | |
| 10/29/86 | | 303.0 | | 487.0 | 0.0 |
| 06/04/87 | | 324.0 | | 528.0 | 0.0 |
| 08/12/89 | | 324.0 | | 487.0 | 0.0 |
| 05/31/91 | | 428.0 | | 632.0 | 0.0 |
| 11/18/91 | | | | 620.0 | |
| 09/27/93 | | | | 382.0 | |
| 01/31/94 | | 209.0 | | 304.0 | 0.0 |

7.72

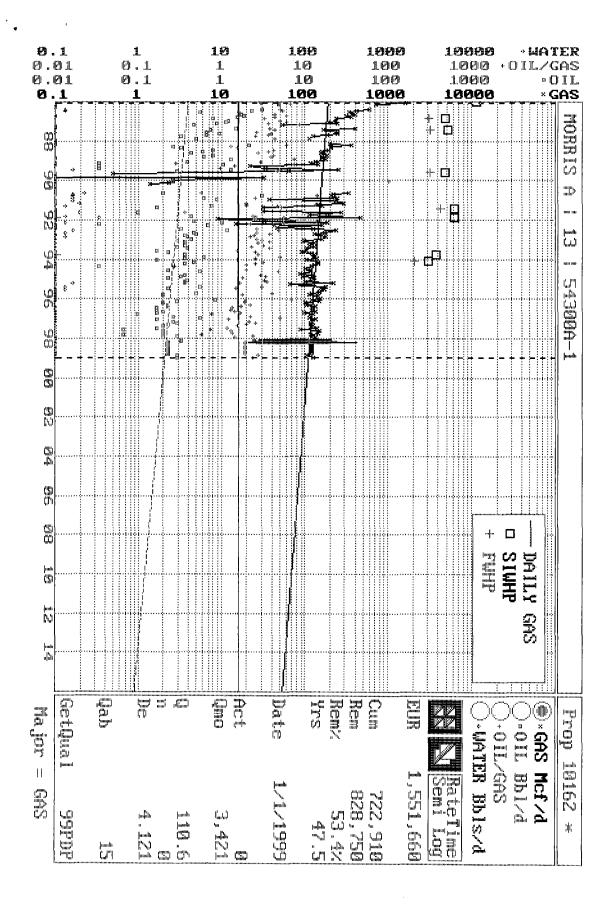
OPR008M2 3019

| .3953 | 100.0 | EPTANE PLUS TOTALS |
|------------|---|---|
| 0.3839 | 0.88 | HEXANE PLUS |
| | | HEXANE |
| 0.1014 | 0.28 | N-PENTANE |
| 0.1354 | 0.37 | ISO-PENTANE |
| 0.3027 | 0.96 | N-BUTANE |
| 0.2224 | 0.68 | ISO-BUTANE |
| 0.9811 | 3.56 | PROPANE |
| 2.2684 | 8.48 | ETHANE |
| | _83.97 | METHANE |
| | 0.68 | CARBON DIOXIDE |
| | | HYDROGEN SULFIDE |
| | | OXYGEN |
| | -0.14 | NITROGEN |
| | | HELIUM |
| | - | HYDROGEN |
| (AT 14.73) | MOL % | |
| GPM | | |
| \smile | GPM (AT 14.73 (AT 2.2684 0.9811 0.2224 0.1354 0.1014 0.3839 | % 4 00 00 00 00 00 00 00 00 00 00 00 00 0 |

BTU 1216

m

| MENU | =INQ/UP: '24=HELP | EN | PF10=BROWSE S | RI KWARD | PF6 ENTER=B | ENU | PF12=MAIN MENU |
|----------|---|----------------------------|------------------|-------------|-----------------|-------|----------------|
| | 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 | | ANCE | FOR MAINTENANCE | SEL | ENTER I UNDER |
| 0.00 | 0.00 | 1287 | 117 | 4.51 | 0.41 | 0.0 | _ 01/11/99 |
| 0.00 | 0.00 | 1170 | 117 | 4.10 | 0.41 | 0.0 | _ 01/10/99 |
| 0.00 | 0.00 | 1053 | 117 | 3.69 | 0.41 | 0.0 | _ 01/09/99 |
| 0.00 | 0.00 | 936 | 117 | 3.28 | 0.41 | 0.0 | _ 01/08/99 |
| 0.00 | 0.00 | 819 | 117 | 2.87 | 0.41 | 0.0 | _ 01/07/99 |
| 0.00 | 0.00 | 702 | 117 | 2.46 | 0.41 | 0.0 | _ 01/06/99 |
| 0.00 | 0.00 | 585 | 117 | 2.05 | 0.41 | 0.0 | _ 01/05/99 |
| 0.00 | 0.00 | 468 | 117 | 1.64 | 0.41 | 0.0 | _ 01/04/99 |
| 0.00 | 0.00 | 351 | 117 | 1.23 | 0.41 | 0.0 | _ 01/03/99 |
| 0.00 | 0.00 | 234 | 117 | 0.82 | 0.41 | 0.0 | 01/02/99 |
| 0.00 | 0. | 117 | 117 | • | 0.41 | | 01/ |
| | (BWPD | MCFM) | (MCFD | BOPM) | (BOPD | ON | L PRODUCED |
| PRODN- | -WATER PR | PRODN- | -GAS | PRODN- | -OIL P | HOURS | E DATE |
| | BY DATE: _ | FORWARD | SCROLL | 13 | | | MORRIS A |
| <u> </u> | $\overline{}$ | 990101 | DATE: | | | 00A | 543 |
| 11:03:21 | 02/18/99 | VOLUME | 8/8'S VO | PRODUCTION | WELL P | 19 | FDG055M4 3019 |



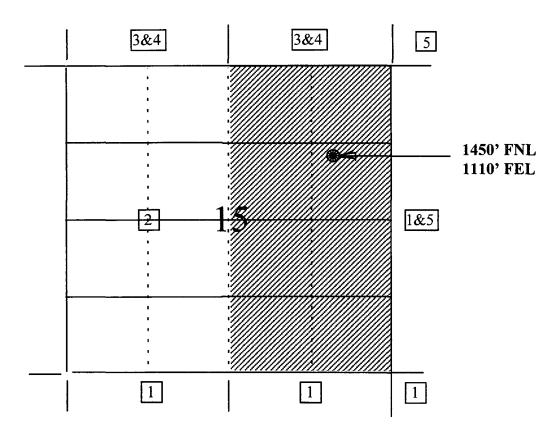
BURLINGTON RESOURCES OIL AND GAS COMPANY

Morris A #13

OFFSET OPERATOR \ OWNER PLAT Downhole Commingle

Chacra / Mesaverde Formations Well

Township 30 North, Range 11 West



- 1) Burlington Resources
- 2) Conoco Inc.Attn: Lori Thorpe10 Desta Drive, Suite 100WMidland, TX 79705
- Energen Resources MAQ, Inc. Attn: Rich Corcoran
 Bloomfield Highway Farmington, NM 87401
- 4) Mr. Robert L. Bayless P.O. Box 168 Farmington, NM 87499
- Amoco Production Company San Juan Operation Center 200 Amoco Court Farmington, NM 87401

| | 12/87 • Hartman Com No. 6 133/569 (97) [23] 0/2 | 1/88 Hartman Com No. 5 139/521 (97) 0/2 | 94/482 (97 0/1 | 3/97 Bruington No. 15N 404/12 (97) 0/0 3/86 3/86 3/86 [22] 1/88 Morris A Com No. 18 161/769 (97) 0/2 | 3/9 Bruington 404/1 3/86 3/86 Fuller No. 3 456/523 (97) 0/1 | [21] | 7/97 7/97 7/97 7/97 3/0 | 6/86 * Fifield No. 4 204/507 (97) 0/1 |
|-------|---|--|---|---|--|---|-------------------------------------|---|
| Z & 7 | 11/83 Federal GC L No. 1E 83/192 (97) 0/0 [14] | | 1/86 Morris A No. 13 140/676 (97) 0/2 1/86 Morris A No. 13A | 8/82 • Bruington No. 15E 96/489 (97) 0/0 [15] | Bruingts 96/ | [16] | | |
| | Storey B LS No. 1 [11] 25/587 (92) 9/79 0/0 Storey B LS No. 1A 118/1138 (97) 0/3 | 8/56 Storey B LS No. 4 66/1560 (97) 0/4 | φ | [10] | | [6] | | 6/82 * Aztec No. 9 116/809 (97) |
| | ina 7/62 | | ω | 12/56 * Hampton No. 3 79/1577 (97) 0/2 | 12/77 ** Hampton No. 3A 319/803 (97) 1/1 | 6/82 * Fee No. 9A 85/881 (97) 0/2 | | 8/82 Fee No. 9Y 21/455 (97) |

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

LOCATION UNIT: H SEC: 15 TWN: 30N RNG: 11W

FORM: MESAVERDE NAME: MORRIS A #13A

DATE: February 18,1999