

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Form C-103

Revised March 25, 1999

WELL API NO.

30-045-05776

5. Indicate Type of Lease **FEDERAL**

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SF-078899A

7. Lease Name or Unit Agreement Name:

BLACKROCK D COM

8. Well No. **1**

9. Pool name or Wildcat

GALLEGOS GALLUP

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐

Gas Well ☒

Other ☐

2. Name of Operator

MERRION OIL & GAS CORPORATION

3. Address of Operator

610 Reilly Ave, Farmington, NM 87401

4. Well Location

Unit Letter **C** : **990** feet from the **NORTH** line and **1650** feet from the **WEST** line.

Section **20**

Township **26N**

Range **11W**

County **San Juan**

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

6158' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: TO COMMINGLE ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Merrion Oil & Gas proposes to complete the Gallup and to commingle the Gallegos Gallup and Basin Dakota following the attached procedure.

See attached supporting data.

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

SIGNATURE

TITLE:

Production Engineer

DATE: **09/05/03**

Type or print name:

Connie S. Dinning

Telephone No. **327-9801**

(This space for State use)

APPROVED BY

TITLE

DATE

Conditions of approval, if any:

DHC 1303A2

9 2003

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-05776	² Pool Code 26980	³ Pool Name GALLEGOS GALLUP
⁴ Property Code	⁵ Property Name BLACKROCK D COM	⁶ Well Number 001
⁷ OGRID No. 014634	⁸ Operator Name MERRION OIL & GAS CORPORATION	⁹ Elevation 6158' GR

¹⁰ Surface Location

UL or lot no. C	Section 20	Township 26N	Range 11W	Lot Idn NENW	Feet from the 990	North/South line North	Feet from the 1650	East/West line West	County San Juan
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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 80	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature George F. Sharpe Printed Name Production Engineer Title and E-mail Address September 8, 2003 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.			
	Date of Survey Signature and Seal of Professional Surveyor:			
	Certificate Number			

Merrion Oil & Gas Corporation

Workover Procedure

September 5, 2003

Well:	Blackrock D Com 1	Field:	Basin Dk, Gallegos Glp
Location:	990' fnl & 1650' fwl (ne nw) Sec.20, T26N, R11W, NMPM San Juan County, New Mexico	Elevation:	6147' GL 6159' KB
		By:	Connie Dinning

Project:

Recomplete Gallup formation and commingle with Dakota.

Procedure:

Prior to Move-in

1. Check location for anchors.
2. Shoot fluid level to determine whether casing will be swabbed down.
3. Haul-in flowback tank.
4. Dig blooey pit.
5. Move 114 Pumping Unit onto location, but do not place near wellhead until after frac.
6. At move in, rig up blooey line.

Pull Tubing, Test Casing

1. MIRU.
2. If fluid level was at packer or slightly above, pull up on tbg, attempt to release seal assembly from packer. If seals do not release, pull up and turn right 10-15 turns. Consult Baker if seals will not release.
3. Tally out of hole with 2 3/8" tubing. *Note: If tubing condition indicates, lay down and replace.*
4. If fluid level was 500' or more above packer, set blanking plug just above junk in tbg. at ±5890'KB, perforate tubing at ±5885' KB and swab fluid down.
5. Attempt to pull out of seal assembly as detailed above. If seals will not release, RIH and cut off tbg @ ±5885' KB, TOH w/ tbg.
6. TIH w/ 3 7/8" bit and casing scraper and clean out to packer.
7. RIH w/ RBP and RCP on 2 3/8" tbg and set BP at ±5880' KB.
8. Load hole and pressure test csg w/ 500 psi.

Repair Casing Leaks

1. Isolate holes in casing w/ packer. Squeeze as needed.
2. TIH w/ 3 7/8" bit and casing scraper and clean out to RBP.
3. Pressure test casing to 500 psi. If casing does not hold pressure, re-squeeze.
4. Run Gamma Ray Correlation Log from 5200' to 4900' KB, from 4082' to 3325' KB, and from 1520' to 1365' KB.
5. TIH w/ retrieving head on 2 3/8" tbg and unset RBP, TOH, LD RBP.

Remove Packer & Isolate Dakota

1. TIH w/ 3 7/8" packer plucker, mill and casing scraper and mill out CIBP and packer w/ air.
2. TOH, LD packer.
3. TIH w/ mill and mill out Baker type N CIBP at 5989'KB. Continue to clean out to PBTD @ 6057'KB. TOH.
4. RIH w/ RBP on wireline and set @ ±5230' KB.
5. Dump 5' sand on top of RBP.

Gallup Perforation and Ball Off

1. Perforate the following intervals w/ .34" holes:
 - 4925', 4935', 4950', 4963', 4967', 4990', 5035', 5040', 5045', 5050', 5065', 5100', 5115', 5127 (select fire);
 - 5153-5199 (1 shot per 2 ft.).
- 37 total holes.**
2. PU 4 ½" packer on 2 ⅞", NUE frac string and TIH to ±4920' KB and set packer.
 3. Spearhead 300 gallons of 15% HCl across perfs.
 4. Pump 200 gallons 15% HCl and 55 RCN ball sealers down tubing.
 5. Attempt to ball off to 3500 psi.
 6. Knock off balls w/ packer and POH.
 7. RIH w/ junk basket and recover ball sealers.

Gallup Frac

1. *Monitor backside for signs of communication.*
2. RU Frac crew. Fracture stimulate the Gallup formation via tubing with 70 quality foam, 20# linear base gel and total of 100,000 lbs of 20/40 mesh Brady sand (detail design to be provided).
3. SI well for 2 hrs to allow frac to close.
4. Flow back frac on ¼" choke.

Clean out hole, Run Tubing and Rods, and Return to Production

1. When well dies off, release packer, TOH and LD frac string.
2. Circulate out sand using air to RBP.
3. TIH w/ workstring and remove RBP. TOH.
4. CO sand to PBTD @ ± 6057' KB.
5. TIH w/ mud anchor & seating nipple on 2 ⅞" tubing. Tag PBTD at ±6057' KB. Set tubing at ± 6000' KB.
6. TIH w/ rods and pump.

Rods:

40 ea. ¾" plain
118 ea. ⅝" plain
10 ea. ¾" plain
72 ea. ¾" scraped

7. ND BOPs and NU wellhead. RD, MOL. Return well to production.

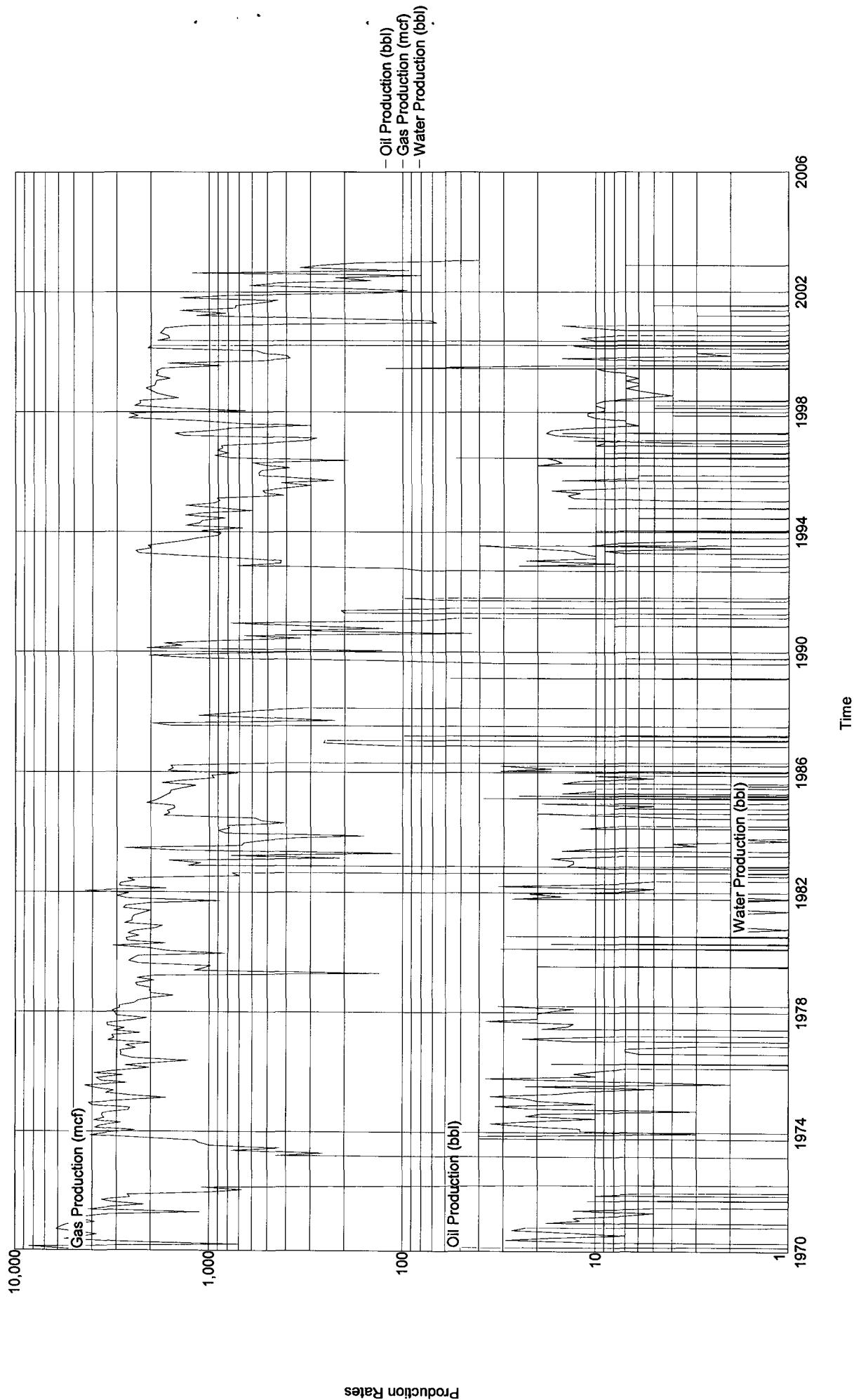
SUPPORTING DATA FOR C-103
Blackrock D Com 1 Commingle
BASIN DAKOTA (71599) AND GALLEGOS GALLUP (26980)

This supplemental information is attached to the C-103 to commingle the subject well in the Basin Dakota and Gallegos Gallup pools.

1. The Basin Dakota and Gallegos Gallup have been pre-approved for commingling by Order No. R-11363
2. The well is currently perfed in the Dakota from 5946' to 5980'. We plan to add the Gallup interval pursuant to the attached procedure from 4925' to 5199'.
3. The Dakota production is inconsistent (as shown by the attached production plot) and has recently drastically fallen to its current production of approximately 0 MCFD. Dakota production just before the commingling (if any) will be subtracted from the commingled production rate to determine the contribution from the Gallup zone. A constant percentage shall be used to allocate production between the zones.
4. The commingling will increase, not reduce, the value of the remaining production.
5. Ownership of the Dakota and Gallup are identical.
6. A copy of this application will be sent to the Farmington BLM office.

Lease Name: BLACKROCK D COM
County, State: SAN JUAN, NM
Operator: MERRION OIL & GAS CORPORATION
Field: BASIN
Reservoir: DAKOTA
Location: 20 26N 11W NE NW

BLACKROCK D COM - BASIN



**Merrion Oil & Gas Corporation
Wellbore Schematic**

Blackrock D Com #1

Current Wellbore Configuration

Location: 990' fnl & 1650'fwl (ne nw)
Sec 20, T26N, R11W NMPM
San Juan Co, New Mexico

Prepared: 9/4/03

Elevation: 6,147' GL
6,159' RKB

By: Connie Dinning

