

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT--" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

MERRION OIL & GAS COPPORATION (014634)

3. Address and Telephone No.

610 REILLY AVE., FARMINGTON, NEW MEXICO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990' FNL & 1650' FWL
SEC 20, T 26N, R 11W

5. Lease Designation and Serial No.

SF-078899A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

BLACKROCK D COM 1

9. API Well No.

30-045-05776

10. Field and Pool, or Exploratory Area

GALLEGOS GALLUP

11. County or Parish, State

SAN JUAN COUNTY,
NEW MEXICO

12. CHECK APPROPRIATE BOX (s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment (Temporary)☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other ADD ZONE☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water(Note: Report results of multiple completion on
Completion or Recompletion Report and Log form.)

13. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MERRION OIL & GAS PROPOSES TO ADD THE GALLEGOS GALLUP FORMATION TO THE EXISTING
WELLBORE. THE RECOMPLETION WILL BE PERFORMED ACCORDING TO THE ATTACHED PROCEDURE.THE COMMINGLING OF THE GALLEGOS GALLUP AND BASIN DAKOTA FORMATIONS IS APPROVED BY
ADMINISTRATIVE ORDER R-11363.

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

Signed

CONNIE S. GINNING

Title

PRODUCTION ENGINEER

Date

9/5/03

(This space for Federal or State office use)

Approved By

/s/ Jim Lovato

Title

Date

SEP 12 2003

Conditions of approval, if any:

Merrion Oil & Gas Corporation

Workover Procedure

September 5, 2003

Well:	Blackrock D Com 1	Field:	Basin Dk, Gallegos Glp
Location:	990' fml & 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 $\pm 5890'$ KB, perforate tubing at $\pm 5885'$ 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 @ $\pm 5885'$ 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 $\pm 5880'$ 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 @ $\pm 5230'$ 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 1/2" packer on 2 7/8", NUE frac string and TIH to $\pm 4920'$ 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 1/4" 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 @ $\pm 6057'$ KB.
5. TIH w/ mud anchor & seating nipple on 2 3/8" tubing. Tag PBTD at $\pm 6057'$ KB. Set tubing at $\pm 6000'$ KB.
6. TIH w/ rods and pump.

Rods:

40 ea. 3/4" plain
118 ea. 5/8" plain
10 ea. 3/4" plain
72 ea. 3/4" scraped

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

**Merrion Oil & Gas Corporation
Wellbore Schematic**

Blackrock D Com #1

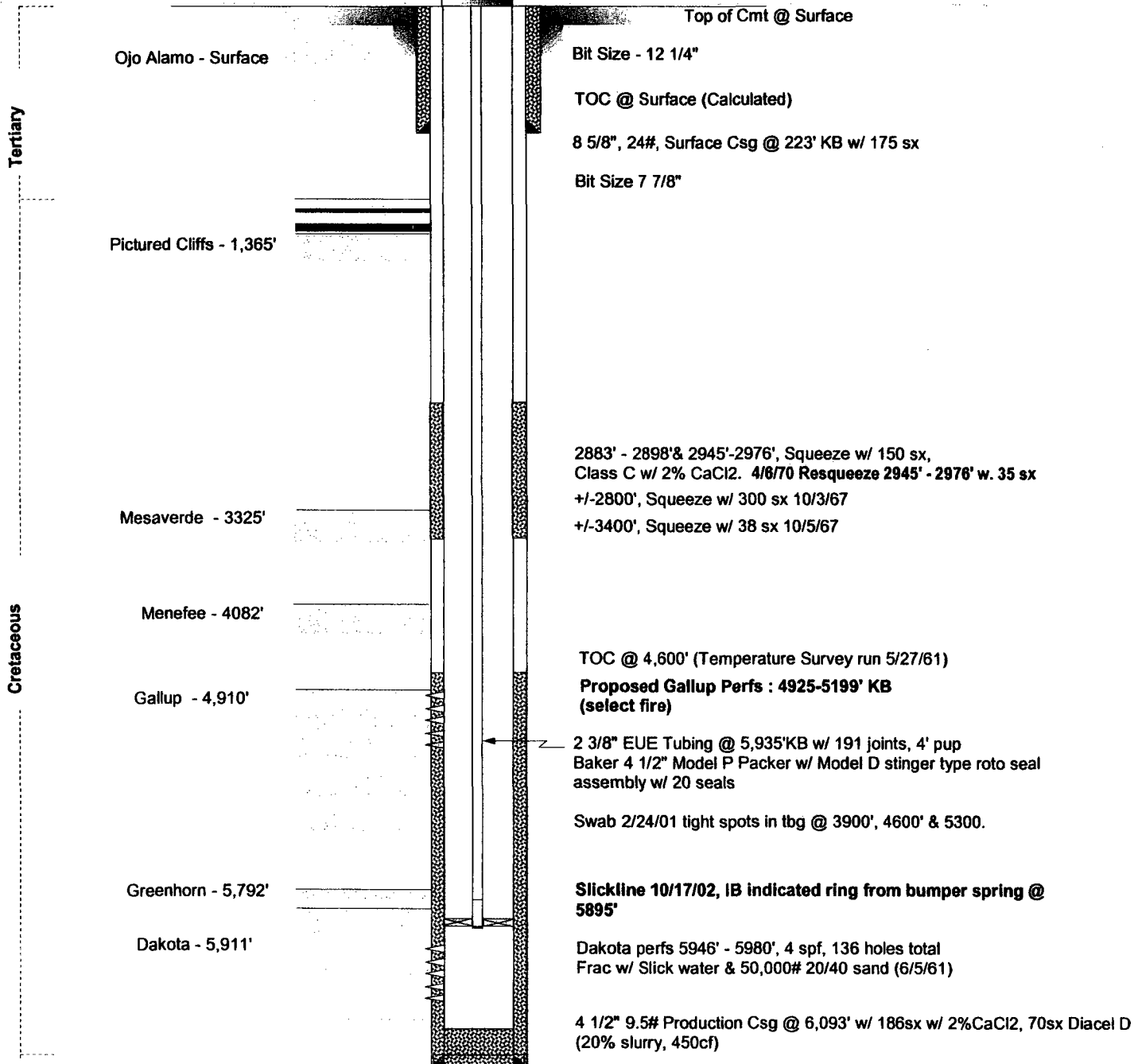
Current Wellbore Configuration

Location: 990' fml & 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



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

API Number 30-045-05776		Pool Code 26980	Pool Name GALLEGOS HALLUP
Property Code	Property Name BLACKROCK D COM		Well Number 001
OGRID No. 014634	Operator Name MERRION OIL & GAS CORPORATION		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
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¹² Dedicated Acres 80	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR
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	