

Distribution: O+4 (BLM); 1-Accounting; 1- Crystal; 1-File; 1- Burlington

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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	5. Lease Designation and Serial No. NM-98140
2. Name of Operator Merrion Oil & Gas Corporation (14634)	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1562' fnl & 886' fwl (sw nw) Section 5, T29N, R11W, NMPM	8. Well Name and No. FiField Com #1E (22343)
	9. API Well No. 30-045-29517
	10. Field and Pool, or Exploratory Area Basin Dakota (71599)
	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	TYPE OF ACTION
☐ Notice of Intent	☐ Abandonment
☒ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☒ Other Perforations & Frac Rpts
	☐ 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.)*

9/16/98

At 7:00 AM well making 224 MCFD, 1 BOPD, 3.5 BWPD on test, tubing 60 psi, casing 280 psi. Open well to tank on 2"; let flow for 1 hour up tubing. Put back on test, tested for 3 hours. Final Rate = 224 MCFD. Shut in. Test completed. Will go to next stage on 9/18/98.

9/18/98

At 0400 hrs SIP tbg 1250 psi, Csg 1175 psi. Open well on 1/4" choke, bleed down to 50 psi on 2". Set plug in tubing 10' above seating nipple. TOH with tubing. RU Blue Jet. Set WSR BP with Tefteller, bombs on bottom at 6450' - hole dry. TIH to 4425' with 2-3/8" tbg. RU Cementers Inc. Load hole with 2% KCL water, pressure test BP to 3000 psi OK. Spot 250 gal 15% HCl. TOH with 2-3/8" tbg. RU Blue Jet to perforate. Perforate (Point Lookout) top down 4392'-4404', 4409'-14' (4 SPF 68 holes at 120°, .32"). Blue Jet had problems with truck and bottom gun. RU Cementers Inc., breakdown perfs via casing breakdown 1250 psi. Pump in at 3-1/2 BPM at 850 psi for 15 bbls, ISDP 750 psi, 5 min SIP 550 psi. Bled off pressure

9/19/98

SIP 15 psi. TIH with 2-3/8" tubing to 4425'. Swabbed back 155 bbls fluid. Well started gassing. TOH with tubing. Well shut in.

*** CONTINUED OTHER SIDE ***

14. I hereby certify that the foregoing is true and correct	
Signed <u>Steven S. Dunn</u>	Title <u>Drlg & Prod Manager</u>
Date <u>10/6/98</u>	
ACCEPTED FOR FILE	
(This space for Federal or State office use)	
Approved By	Title
Date <u>OCT 30 1998</u>	
Conditions of approval, if any:	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOC

FARMINGTON OFFICE
BY [Signature]

9/21/98
SIP 500 psi. RU stringer tree saver. RU BJ to frac as follows: Spearhead 250 gal 15% HCl. Est. rate 32 BPM at 1300 psi, ISDP 750 psi. Frac base fluid city water 2% KCl, 1 gpt flo-back 20, 75 gpt FRW 30, 38 ppt xicide, 52,300# 20/40 Arizona sand 1/2 to 2# ppg. Max. pressure 1800 psi. Min. Psi 1560 Avg. 1600 psi, 53 BPM rate, ISDP 950 psi.
At 12:00 PM start immediate flow back on 1/4" choke
At 1:00 PM flow back on 1/4" choke - 500 psi,
At 2:00 PM flow back on 1/2" choke - 320 psi lite sand
At 3:00 PM flow back on 1/2" choke - 140 psi trace sand
At 4:00 PM flow back on 1/2" choke - 75 psi trace sand
At 5:00 PM flow back on 1/2" choke - 5 psi no sand, gas cut
At 10:00 PM well dead

9/22-28/98 Swabbing and testing well.

9/29/98 Well dead, casing 150 psi. LD tubing in derrick. Land tubing in wellhead. ND BOPs, NU WH. Swab well in. Flowed well to production tank on 2" for 1 hour. Put through separator. Kept logging off. Casing pressure came up to 525 psi. Well flowed to production tank on 2", logged off awhile and unloaded. Not enough gas to operate separator, dies when on separator. Let well flow to production tank on 2" overnight, casing 515 psi.

9/30/98 Well dead - casing 525 psi. Flowed 94 bbls to production tank on 2" in 15 hrs Bled down casing. Strap out of hole. TIH to 4439', tried to load hole with 2% KCl water. Pumped 30 bbls over would not load. TOH, run 5-1/2" FB tension packer on 2-3/8" tbg. Set packer at 4000', put 500 psi on backside. RU Cementers, Inc, pump 50 sxs Class 'B' neat with 2% CaCl2 (59 CBF), 10.3 bbls, 15.6 ppg, 1.18 yield 5.2 gal water per sack. Displace with 2% KCl water, started to pressure up when cement started in perf. Locked up at 1000 psi, pressure held for 15 mins.

10/01/98 Tbg 500 psi, Csg 500 psi after squeeze. Release packer, TOH. TIH with blade bit on 2-3/8" tbg, drilled 250' cement. Test casing to 1000 psi for 15 mins - OK. TIH to 4446', tagged fill with BP at 4506' (60' fill). TOH.

10/02/98

TIH with casing scraper to 4506'. TOH. TIH with retrieving head for WBP. Circulated sand of BP (60'). Got on BP tripped bypass let equalize. TOH. TIH with tubing set BP at 3892'. TOH with tubing.

10/03/98

Pour 10 gal sand down casing. Load casing with 2% KCl water. Pressure test to 3000 psi or 15 mins - OK. RU Blue Jet and perforate bottom up 8 holes 3516', 3490', 60', 3362', 88', 70', 11'. Went on vacuum. Finish perfs 3189', 65', 64', 63', 49', 3092', 75', 61', 49', 18', 11', 2990', 08', 04', 2870', 14', 2800', 2789', 69', 49', 33', 2686', 60', 08', 2590', 72' (33 holes, 1 SPF, .28" holes). TIH with Arrow packer set @ 2300'. Put 500 psi on annulus. RU Cementers Inc, acidize with 1000 gal 15% HCl and 50 - 7/8", 1.1 balls. Press. Breaks from 1500 psi back to 1100 psi, 3300 back to 2200. Balled off @ 3500 psi. Let balls fall. TIH to below perfs, wiped off balls. Let well flow for 3-1/2 hrs. Flow back was acid load, water and gas. Killed tubing with 2% KCl water, unset packer, TOH. Well flowing up casing. SI till frac.

10/05/98

MIRU BJ Services. SIP- 100 psi. Frac Lewis perfs w/ 153,520 lbs 20/40 Arizona sand utilizing a 70 Quality N₂ Foam, Viking I-20 X-link gel system w/ 2% KCl water. Total load 446 bbls water, 645,948 scf N₂. Avg rate - 50 bpm, Avg pressure - 1860 psig, ISDP - 1140 psig. Shut-in at 3:10 PM, rig down frac crew. Open well on 1/4" positive flow choke. Flow back frac sand and foam. 5:00 PM 600 psi on 1/4" choke, flowing some foam, natural gas. Installed 1/2" choke left flowing overnight. 7:00 AM 10/6/98 flowing on 1/2" positive flow choke with 90 psig, dry gas w/ no water spray, occasional slug of water. Estimated gas rate - 625 mcf. Will put on test.