

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Dry Hole2. Name of Operator
MERRION OIL & GAS CORPORATION3. Address and Telephone No.
P. O. Box 840, Farmington, NM 87499 505/327-98014. Location of Well (Footage, Sec., T., R., M., or Survey Description)
415' FNL & 685' FWL
Sec 10, T18N, R8W NWNWFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 19935. Lease Designation and Serial No.
NM-71705

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Northeast Hospah #1

9. API Well No.

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State

McKinley NM

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
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☒
- Other Drilling History

- ☐
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection
-
- ☐
- Dispose Water

(Note: Report results of multiple completion on Well 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.)*

The subject well is a dry hole. Attached for your records are the drilling and plugging history. We will notify you when the dry hole marker is in place.

RECEIVED

DEC 4 1991

OIL CON. DIV
DIST. 3Approved as to plugging of the well by
Liability under bond is retained until
surface restoration is completed.

OIL CON. DIV., N.M.

DEC 27 PM 1:30

RECEIVED
BLM

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

Signed

Title Engineer

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date 11/22/91

Date DEC 03 1991

APPROVED

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 or to any person in any manner within its jurisdiction.

NORTHEAST HOSPAH NO. 1

July 17, 1991

Surface inspection w/ archeologist from La Plata Archeology, Tim Merilatt and Lloyd Brown of MOG. Location and access road clear of archeological sites. Archeologist will recommend clearance. (TLM)

July 18, 1991

Spoke to surface owner Jake Chee about ceremonial or burial sites around our proposed well pad. He stated that there were none. He did state his concern over revegetation in the event of a P&A and I assured him it would be done properly. (TLM)

On Report

November 7, 1991

TD: 255' KB

Current Operation: WOC - Nipple up BOP

Detail: Move rig and equipment to location. RU unit. Spot equipment. Dig and line pits. Work on pump #1. **Spud well.** Drill 5.5 hrs to 255' a 9-7/8" hole to fit 245' of 7" casing. Condition hole to run csg. Run survey. POH w/ 9-7/8" bit #1. Run csg. RU Cementers. **Cement** 7" csg as follows: Establish circ w/ 10 Bbls H₂O. Mix and pump 100 sx (118 cu ft) class 'B' neat cement w/ 2% CaCl. Displace cement w/ 8.3 Bbls H₂O. Circ cement to surface. Plug dn @ 11:45 pm. Cement yield 1.18 cu ft/sk, Density 15.6 lb/gal. WOC. (ARM)

Survey #1: 255' 3/4°

November 8, 1991

TD: 860' KB

Current Operation: Drilling

Detail: WOC. NU BOP and flowlines. Test BOP to 800 psi, ok. TIH. Tag cement 200'. Drill cement. Drill ahead 4 hrs. Mix mud. Drill ahead 4.75 hrs. Run survey. Drill ahead 2 hrs. (ARM)

Survey #2: 755' 2°

November 9, 1991 Day No. 3

TD: 1700' KB

Current Operation: Drilling Ahead

Detail: Drill ahead 10.5 hrs. Run survey. TOH. TIH w/ bit #3. Drill ahead 11 hrs. (ARM)

Survey #3: 1260' 2-1/4°

NORTHEAST HOSPAH NO. 1

November 10, 1991 Day No. 4

TD: 2120' KB

Current Operation: Circulate for Trip

Detail: Drill ahead 2.5 hrs. Run survey. Drill ahead 2 hrs. Circulate for trip. Trip bit #4. Drill ahead 10 hrs. Circ for trip. (ARM)

Survey #4: 1760' 3/4°

November 11, 1991 Day No. 5

TD: 2146' KB

Current Operation: TOH w/ Drill Stem Test Tools

Detail: Trip for Bit #5. Drill .75 hr. Circ samples. Mix mud, condition hole. Short trip. TOH. PU DST tools. TIH. Set DST, would not open. TOH. Change hydro spring. TIH. Set DST. RU flowline. Run DST - 15 min IF: 3 min air blow at surface.

60 min ISI

60 min FIP: 30 min air blow at surface (light)

120 min FSI

Release packers. Start out of hole. (ARM)

November 12, 1991 Day No. 6

TD: 2183' KB

Current Operation: TIH Bit #5

Detail: TOH w/ DST tools. Catch samples.

Results DST #1:

2,134'-2,146'; G-2,114' Mud - 9 lb/gal

IH 1,127 psi

IF 14 psi 15 min

ISF 855 psi 60 min

FF 28 psi 60 min

FSI 819 psi 120 min

20' drilling mud recovered in pipe. LD tools. TIH w/ bit #5. Drill ahead 1.5 hrs. Circ samples. Condition hole. Short trip. TOH. PU DST tools. TIH w/ DST tools. RU flowline, set pkrs @ 2,168' KB, TD @ 2,183' KB. Run DST as follows:

15 min IF 2-3/4 psi, good blow.

60 min ISI

60 min FF 33 4 oz, good air blow.

120 min FSI

Results DST #2:

2,168'-2,183'; Mud weight - 9.2 lb/gal

Gauge #1 - 2,151' KB

Gauge #2 - 2,180' KB

IH 1,051 psi

1,075 psi

IF 35 psi

56 psi

FF 340 psi

353 psi

ISI 826 psi

848 psi

IF 374 psi

381 psi

FF 744 psi

759 psi

FSI 826 psi

848 psi

TOH w/ DST tools. Catch samples. Lay down tools. Circ sub port fell out. Lost fluid in pipe above port collar. Recovered 40' Hospah water, Rainbow oil. TIH Bit #5.

NORTHEAST HOSPAH NO. 1

November 13, 1991 Day No. 7

TD: 2245' KB

Current Operation: TIH w/DST #3

Detail: TIH w/ Bit #5. Drill ahead .5 hr, work by junk in hole. Circ, work bit on bottom. Drill ahead 2.5 hrs. Circ samples to surface. Circ, condition hole, wait on tools. Short trip. TOH. PU DST tools. TIH w/ DST tools to test interval 2207'-2234' (Massive Gallup). (ARM)

November 14, 1991 Day No. 8

TD: 2400' KB

Current Operation: Drilling

Detail: TIH w/ DST tools. RU flowlines. Open DST tool.

15 min open 10 min - 48 oz blow
 15 min - 30 oz blow

1 hr shut-in

1 hr open Initial - 11 oz
 35 min - Bled to 0

2 hr shut-in, Total fluid recovered 1920' - 14.05 Bbl (2.17 Bbl muddy water and 11.08 Bbls water)

Release packer, work free. TOOH. Lay dn DST tools. Lay dn bad collars. TIH w/ Bit #7. Drill 1 hr. Survey. Drill 10.5 hrs. (ARM)

Survey #5: 2260' 3/4°

November 15, 1991 Day No. 9

TD: 2600' KB

Current Operation: Coring

Detail: Drill 15.5 hrs. Circulate. TOH. Pick up 20' x 4" core barrel w/ 4-7/8" core bit. TIH w/ core barrel. Coring 2600' - 2615'. (ARM)

November 16, 1991 Day No. 10

TD: 2820' KB

Current Operation: Drilling

Detail: Coring. TOOH. Lay dn core and core barrel. TIH w/ Bit #8. Drill 16.5 hrs. (ARM)

Survey #6: 2755' 1°

NORTHEAST HOSPAH NO. 1

November 17, 1991 Day No. 11

TD: 3,010' KB
Current Operation: Drilling

Detail: Drill 12.5 hrs. Circ for trip. Trip for Bit #9. Drill 4 hrs. (ARM)

November 18, 1991 Day No. 12

TD: 3,065' KB
Current Operation: TOH w/ DST #4

Detail: Drill ahead 5.5 hrs. Circ samples. Drill 5', .5 hr, TD 3,065'. Circ, cond hole. Short trip. TOH. Wait on DST tools. PU DST tools. TIH w/ DST #4, set DST tools pkr @ 3.050'. Run DST as follows:

IF 15 min No blow @ surface (43 psi)

ISI 30 min

FF 30 min No blow @ surface

FSI 80 min

Release tools. TOH. No recovery. (ARM)

November 19, 1991 Day No. 13

TD: 3,264' KB
Current Operation: Circulate Samples

Detail: TOOH w/ DST tools. Pull charts WOO. Lay dn DST tools. TIH w/ Bit #10. Drill 18 hrs. Circ samples to surface. (ARM)

Survey #7: 3065' 2°

NORTHEAST HOSPAH NO. 1

November 20, 1991 Day No. 14

TD: 3,284' KB
Current Operation: Drilling Ahead

Detail: Circ and condition hole. TOH. WO tools. PU DST tools.
TIH w/ DST tools and set. Run DST:

IF 15 min Good blow to surf (10 min 55 oz, 1/8 orifice)
IS 60 min
SF 60 min
FS 120 min

3240' - 3264' Tested interval

TOH. 2875' - total recovery,

250' muddy wtr, slightly gas cut \approx 1.85 Bbls.

2625' wtr slightly gas cut \approx 19.2 Bbls

Catch samples, lay down DST tools. TIH w/ Bit #11. Drill ahead
2 hrs. (ARM)

DST Results

Top Gauge - 3252'	IH	1718 psi	
	FH	1711 psi	
	IIF	963 psi	ISI 1276 psi
	FIF	1186 psi	
	IFF	1217 psi	
	FFF	1276 psi	FSI 1276 psi

Bottom Gauge - 3257'	IH	1725 psi	
	FH	1696 psi	
	IIF	978 psi	
	FIF	1202 psi	ISI 1280 psi
	IFF	1225 psi	
	FFF	1280 psi	FSI 1280 psi

November 21, 1991 Day No. 15

TD: 3,352' KB
Current Operation: TOH...Plugging Well

Detail: Drill ahead 5.5 hrs. Circ and condition. Short trip.
Circ and condition. TOH. Run open hole surveys. RU Great Guns.
Run IES Induction and Compensated Neutron/Density Log across
Dakota, Gallup, Mesaverde. RD Loggers. TIH open ended w/ DP.
Circ and wait on cementers. RU Cementers, Inc. Spot 80 sx 'B'
neat (95 cu ft), yield 1.18 cu ft/sk, Wt 15.6 lb/gal, across main
Dakota and Dakota 'A'. Depth 3,352'-3000' KB. Displaced w/ 21.9
bbls 9.0⁺ lb/gal mud. Pull to next plug. (ARM)

NORTHEAST HOSPAH NO. 1

Off Report

November 22, 1991 Day No. 16

TD: 3,352' KB TD

Current Operation: **Well Plugged**

Detail: Finish pulling pipe to 2280'. Spot a 49 sk (58 cu ft) cement plug across Gallup and Hospah formation from 2280' to 2086'. Disp w/ 15.2 Bbls 9 ppg mud. Pull pipe to 1200'. Spot 53 sx (63 cu ft) cement plug across Point Lookout formation. Disp cement w/ 7 Bbl 9 ppg mud. Pull out of hole w/ pipe to 300'. Spot a 59 sx (70 cu ft) cement plug across surface pipe to surface. TOOH. All cement Class 'B' neat, yield 1.18 cu ft/ sk, Density 15.6 lb/gal. Nipple down BOP and flowlines. Fence pits. Release rig. Will install dry hole marker and reclaim location ASAP. (ARM)

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Budget Bureau No. 1004-0135

Expires: March 31, 1993

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NM-71705

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Northeast Hospah #1

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Drilling commenced on this well 11/6/91 at 3:30 pm. A 9-7/8" hole was drilled to 255' to fit 245' of 7" casing. Cement: 100 sx (118 cu ft) of Class 'B' neat w/ 2% CaCl. Cement was displaced w/ 8.3 Bbl H₂O. Circulate cement to surface, yield 1.18 cu ft/sk, Density 15.6 lb/gal.

RECEIVED

DECO 4 1991.

OIL CON. DIV.
DIST. 3

ACCEPTED FOR RECORD

NOV 21 1991

FARMINGTON RESOURCE AREA

BY

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

Signed

Title

Engineer

Date 11/11/91

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and wulfully 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.

*See instruction on Reverse Side