

~~CONFIDENTIAL~~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 New Well - Dry Hole

2. Name of Operator
MERRION OIL & GAS CORPORATION

3. Address and Telephone No.
P. O. Box 840, Farmington, NM 87499 505/327-9801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2310' FSL & 790' FEL
Sec 28, 120N, R5W

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

5. Lease Designation and Serial No.

NM-7509

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Oak Spring #1

9. API Well No.

30-031-20949

10. Field and Pool, or Exploratory Area
Ojo Encino Entrada

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

(Note: Report results of multiple completions on Well Completion or Remediation Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all permit details, and give permit 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.)*

Attached are the drilling and plugging histories for the subject well.

RECEIVED
APR 9 1992OIL CON. DIV.
DIST. 3RECEIVED
APR 9 1992

ACCEPTED FOR RECORD

APR 01 1992

FARMINGTON RESOURCE AREA

BY E. H. J.

RECEIVED
BLM
92 MAR 25 AM 11:28
019 FARMINGTON, N.M.

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

Signed

Title

Engineer

Date

3/24/92

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

NMOOD



Figure 1. The building of the National Bureau of Statistics of China.

OAK SPRING NO. 1

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On ReportMarch 10, 1992Day No. 1

CURRENT OPERATION: Waiting on Cement.

DEPTH TODAY: 260' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB

3/6/92-3/8/92: Build location and road, line pit.

MIRU. Drill rat and mouse holes. Spud well, drilling 12-1/4" hole to 260'. Circulate and condition hole, drop totco. TOOH. Pick up and run 6 jts 9-5/8", 36/40# csg. Cement 9-5/8" csg as follows: Establish circ w/ 15 Bbls H₂O. Mix and pump 200 sx class 'B' cement w/ 2% CaCl, yield 1.15 cu ft/sk, Density 15.6 lb/gal. Displaced cement w/ 17.5 Bbls H₂O to leave 30' cement in csg. SI. WOC. RU BOP, choke and kill manifold. Pressure test to 600 psi for 30 min, held ok. (ARM)

Survey #1: 260' 1/2° TOTCO

March 11, 1992Day No. 2

CURRENT OPERATION: Drilling ahead.

DEPTH TODAY: 2,200' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB

Drill 4.25 hrs. WLS. Drill 2.5 hrs. Change shaker screen, 170 mesh top, 225 mesh bttm. Drill 3 hrs. WLS. Drill 6 hrs. WLS, no picture. Call Eastman Christensen to fix. Drill .25 hr. WLS, Totco. Drill .45 min. (ARM)

Survey #2:	778'	3/4°	S40E
Survey #3:	1,274'	3/4°	S31W
Survey #4:	1,861'	3/4°	Totco

March 12, 1992Day No. 3

CURRENT OPERATION: Drilling ahead, 35'/hr.

DEPTH TODAY: 3,275' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

Drill 2.5 hrs. Rig service. Drill .25 hr. Survey 1/2° Totco 2386'. Drill 1.5 hr. Survey 1/2° S38E 2479'. Drill 2.25 hrs. Rig repair. Drill 6.25 hr. Survey (misfire). Drill .75 hr. Survey 3/4° S20E, 3010'. Drill 2 hrs. (ARM)

Survey #5:	2,386'	1/2°	Totco
Survey #6:	2,479'	1/2°	S38E
Survey #7:	3,010'	3/4°	S20E

OAK SPRING NO. 1

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March 13, 1992Day No. 4

CURRENT OPERATION: Drilling ahead, 45'-50'/hr

DEPTH TODAY: 4,140' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

Drill 2.5 hrs. Trip for Bit #3. Drill ahead 1.5 hrs. Lost circ @ 3563'. Pulled 5 std. Mix LCM. Lost 30 Bbl mud. Mixed LCM, took 60 Bbls to get circulation back. Total lost 90 Bbls. Drill ahead 6.5 hrs. Survey 3854', 3/4° S7W. Drill ahead 6.25 hr. 10 loads H₂O. (ARM)

Survey #8: 3,350' 1° S20W

Survey #9: 3,854' 3/4° S 7W

March 14, 1992Day No. 5

CURRENT OPERATION: Drilling ahead, 12'/hr (Dakota)

DEPTH TODAY: 4,935' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

Drill 1 hr, Survey 4197'; Drill 2.25 hrs, Survey 4352'; Drill 3.25 hrs, Survey 4539'; Drill 7.45 hrs; Circulate, condition hole for trip. TOO. Tag bridges 40' off bttm (hole in good shape). Drill 3 hrs. Water: 13 loads, 13.5 hrs. (ARM)

Survey #10: 4,197' 1-1/4° S7W

Survey #11: 4,352' 3/4° S9W

Survey #12: 4,539' 1-1/8° S53E

March 15, 1992Day No. 6

CURRENT OPERATION: Drilling ahead, 7'/hr

DEPTH TODAY: 5,243' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

Drill 1 hr, Survey 4943'; Drill 8 hrs. Rig service. Drill 14.5 hrs. Water: 10 loads, 12 hrs. (ARM)

Survey #13: 4,943' 1-1/2° S76W

March 15, 1992Day No. 7

CURRENT OPERATION: Drilling

DEPTH TODAY: 5,562' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

Drill 2 hrs, Survey 5253'; Drill 12 hrs. Rig service. Drill 9.5 hrs. (ARM)

Survey #14: 5,253' 1-1/4° S70W

March 17, 1992 Day No. 8

CURRENT OPERATION: Drilling 7'-15'/hr

DEPTH TODAY: 5,830' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

Drill 2.75 hrs, Rig Service, Drill 13.5 hrs, Survey 5747', Drill 7.25 hrs.
Fresh water, 5 loads, est. 14 hrs. (ARM)

Survey #15: 5,747' 3/4° S13E

March 18, 1992 Day No. 9

CURRENT OPERATION: TOH for DST

DEPTH TODAY: 5,969' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

Drill 1 hr. Rig Service. Drill 10 hrs. Rig Service. Drill 6.75 hr. Circ
and condition hole. Short trip 10 stands. Circulate. (ARM)

March 19, 1992 Day No. 10

CURRENT OPERATION: Drilling

DEPTH TODAY: 6,109' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

TOOH. Lay dn monel collar, reamer, ss. Tally out. Pick up 8-3/4" DST
tools. TIH w/ tools. Started losing fluid @ 425' off bttm. Worked pipe.
Pumped 100 Bbl mud (no fluid to surface). Continue in hole. DST (results
to follow, short test due to losing mud). TOOH. Lay dn DST tools. Mix mud.
TIH. Circ. Condition hole. Lost total 550 Bbls fluid. TIH to TD. Drill
3.75 hrs. Water 10 loads in 12 hrs.

Survey #16: 5,969' 1/4° S3E

DST #1: Less than 450' from TD lost returns, were unable to fill hole
- lost 120 Bbls. TIH for short test: Tool opened with fair blow to surface,
increased to bttm of bucket in 75 seconds. #1 in 5 min, #2 in 10 min, #3 in
15 min, 3-1/2# in 20 min. Close tool 40 min, end test. Packers set 5940'
& 5949'. Tested interval 5949' - 5967'. Total fluid recovered 34.7 Bbls.
350' Drilling mud 4.9 Bbls. 450' muddy water 6.4 Bbls. 2050' water 23.3
Bbls. (ARM)

March 20, 1992 Day No. 11

CURRENT OPERATION: Laying Down Logging Tools

DEPTH TODAY: 6,109' KB

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

Circ and condition hole. Short trip. Circ and condition hole. TOOH for
logs. RIH w/ logging tools, bridge @ 4360'. Worked tools. Could not get
down. Pull out of hole w/ tools. TIH to 5650' w/ DP. Knock out bridge.
TOOH. Log well w/ Great Guns Logging. Ran Sonic, Induction and Density &
Neutron logs.



Off ReportMarch 21, 1992Day No. 12

CURRENT OPERATION: Rig Released

DEPTH TODAY: Plugged and Abandoned

BIT SIZE: 8-3/4"

SIZE & DEPTH OF LAST CSG: 9-5/8" 36#/40# 242' KB/set 254' KB

RD loggers. TIH w/ drill collars. TIH open ended to 6109'. Break circulation. RU Cementers, Inc. Spot a 70 sx (83 cu ft) cement plug across and over Entrada (6109' - 5900'). Cement Class 'B' w/ 1% CaCl, Yield 1.18 cu ft/sk, Density 15.4 lb/gal. Displaced w/ 83 Bbls 9.1 lb drilling mud. Pulled DP to 5162'. RU Cementers, Inc. Spot 295 sx (348 cu ft) cement plug from 5162' to 4600'. Cement Class 'B' w/ 1% CaCl, Yield 1.18 cu ft/sk, Density 15.4 lb/gal. Displaced w/ 63 Bbls 9.1 lb drilling mud. Pull DP to 3570'. Circ and WOC. RU Cementers, Inc. Spot a 43 sx (51 cu ft) Cement plug across Gallup 3570' to 3470'. Cement Class 'B', Yield 1.18 cu ft/sk, Density 15.4 lb/gal. Displaced w/ 49 Bbls 9.1 lb drilling mud. Pull DP to 1220'. RU Cementers, Inc. Spot a 43 sx (51 cu ft) Cement plug across Mesaverde from 1220' to 1120'. Cement Class 'B', Yield 1.18 cu ft/sk, Density 15.4 lb/gal. Displaced w/ 15.5 Bbls 9.1 lb drilling mud. Pull BP to 490'. RU Cementers, Inc. Spot a 95 sx (112 cu ft) Cement plug across Pictured Cliff and casing shoe from 490' to 200'. Cement Class 'B', yield 1.18 cu ft/sk, Density 15.4 lb/gal. Displace w/ 1.5 Bbls 9.1 lb drilling mud. Pull DP to 50'. RU Cementers Inc. Spot a 18 sx (21 cu ft) Cement plug from 50' to surface. Cement Class 'B', yield 1.18 cu ft/sk, Density 15.4 lb/gal. ND BOPs. RD. Release rig. (ARM)

Note: Will fence pit, install dry hole marker ASAP.