

UNITED STATES
DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM 59708

8. FARM OR LEASE NAME

Star Lake Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

WC Entrada

11. SEC., T., R., M., OR BLM. AND
SURVEY OR AREA

Sec. 28, T20N, R6W

12. COUNTY OR PARISH 13. STATE

McKinley New Mexico

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6651' GL, 6664' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. 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.)*

Plugged as follows:

Spotted plugs:	Formation	Depth	Plug Depth	Cement
	Entrada	5574	5600 - 5500	30 cu. ft.
	Morrison	4780	4845 - 4745	42 cu. ft.
	Dakota	4330	4380 - 4280	45 cu. ft.
	Gallup	3270	3321 - 3221	45 cu. ft.
	Mancos	2500	2540 - 2440	50 cu. ft.
	Cliffhouse	782	821 - 721	50 cu. ft.
	Surface	197	215 - Surface	86 cu. ft.

All cement Neat, Class B, Yield 1.18 cu. ft/sk. Density 15.6 #/gal.

Work completed 1/21/86.

Well history attached.

18. I, the undersigned, certify that the foregoing is true and correct

SIGNED

TITLE Operations Manager

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE

M. MILLENBACH
AREA MANAGER

*See Instructions on Reverse Side

NMOCC

MERRION OIL & GAS CORPORATION

Star Lake Federal No. 1
Sec. 28, T20N, R6W
McKinley Co., New Mexico

1/15/86

Day 6. Current depth - 4044' KB. Recovered fish. Current operation-TIH to resume drilling. (AM)

1/16/86

Day 7. Current depth - 4480' KB. Current operation drilling in the Dakota formation. Mud wt. 9.1, Vis. 40, Water Loss 7. 5% LCM. Surveys: 4379' - 3-1/2 S 50 degrees W; 4471' - 3-1/8 S 45 degrees W.

1/17/86

Day 8. Current depth - 4824' KB. Current operation pulling 24 stands. Lost circulation. Mud wt. 9.1, Vis. 40, Water Loss 8. LCM 4%. Surveys: 4547' - 3 S 42 degrees W; 4627' - 2-1/2 S 25 degrees W; 4721' - 2-3/4 S 35 degrees W; 4813' - 4 S 25 degrees W.

1/18/86

Day 9. Current depth - 4930' KB. Current operation drilling in Morrison. Mud wt. 8.8, Vis. 39, Water Loss 7. 10% LCM. Survey: 4831 - 4, 4876 - 3-3/4.

1/19/86

Day 10. Current depth - 5185. Current operation drilling in Morrison. Mud wt. 8.9, Vis. 40, Water Loss 7. 10% LCM. Survey: 4939 - 3-3/4, 5002 - 3-1/2, 5127 - 3.

1/20/86

Day 11. Current depth - 5500. Current operation drilling in Morrison. Mud wt. 9, Vis. 39, Water Loss 7.6. 9% LCM. Survey: 5190 - 3, 5285 - 2-3/4, 5380 - 2-1/4, 5474 - 2.

1/21/86

Day 12. Current operation: preparing to P & A. Reached Entrada top at 12:00 noon. Circulated samples to surface. Recovered 40' Anhydrite, 10' Limestone, 10' Entrada Sandstone - no shows. Drilled 8' and bit quit. Decided to circulate out sample and log. Circulated 8' sandstone with no shows. Decision was made to log well and prepare to plug and abandoned. Rig up Welex and run IES Induction and Formation Density Log. Drillers TD 5603' KB. Loggers TD 5597' KB. (DE) Rigged down loggers at 2:00 AM. Layed down drill collars. Trip in hole with 4-1/2" X-hole drill pipe. Picked up enough pipe to get to bottom. Tried to establish circulation and did not get any returns. Pulling pipe above Gallup to mix mud at report time. (CCM)

1/22/86

Day 13. Trip in hole with drill pipe openended to TD, ⁵⁶⁰³~~5306~~ KB. Tried to break circulation and could not get circulation. Pulled drill pipe to 3400' KB. Mixed 3 pits of LCM and got circulation after 9 hours. Went to bottom and broke circulation. Rig Dowell and spot cement plugs as follows:

FORMATION DEPTH		PLUG DEPTH, KB	CEMENT, CU. FT.
Entrada	5574	5600 - 5500	30
Morrison	4780	4845 - 4745	42
Dakota	4330	4380 - 4280	45
Gallup	3270	3321 - 3221	45
Mancos	2500	2540 - 2440	50
Cliffhouse	782	821 - 721	50
Surface	197	215 - Surface	86

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