

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC-068848

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER **Proposed Plug + Abandonment**

2. NAME OF OPERATOR
Continental Oil Company

3. ADDRESS OF OPERATOR
Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1980' FSL + 675' FWL OF Sec. 19

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

MARSHALL

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Cruz Dolowave

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA

Sec. 19, T. 23S, R. 33E

14. PERMIT NO.

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

3701' DF

12. COUNTY OR PARISH
Log

13. STATE
N.M.

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

NOTICE OF INTENTION TO :

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF :

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(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.)*

IT IS Proposed TO Plug and Abandon The Subject well Because of Poor Mechanical Conditions of The well Bore. Refer to The Attached well History and Recommendation.

Plug As Follows:

1. Load Well w/ Produced Water,
2. Run Tbg with Squeeze Pkr set AT 4633' and Establish Pump Rate,
3. Pull Tbg + Sq. Pkr.
4. Run Tbg with CMT Retainer set AT 4633' + Squeeze with 200 SX class "C" CMT and 2% CACL₂.
5. Pull out of Retainer with Tbg + leave 25' of CMT ON TOP of Retainer,
6. Run Tbg open ended,
7. SPOT 30 SX class "C" CMT From 1330' - 900'
8. " " " " " " " 630' - 200'
9. " 10 SX " " " " Surface Plug
10. Erect Dry Hole marker and Restore The Surface.

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

SIGNED Norm Lawrus

TITLE Prod. Supt.

DATE 8-8-77

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY :

TITLE _____

APPROVED
DATE
AUG 15 1977
Bernard Moroz
BERNARD MOROZ
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

USGS (5), File (2)

CONFIDENTIAL

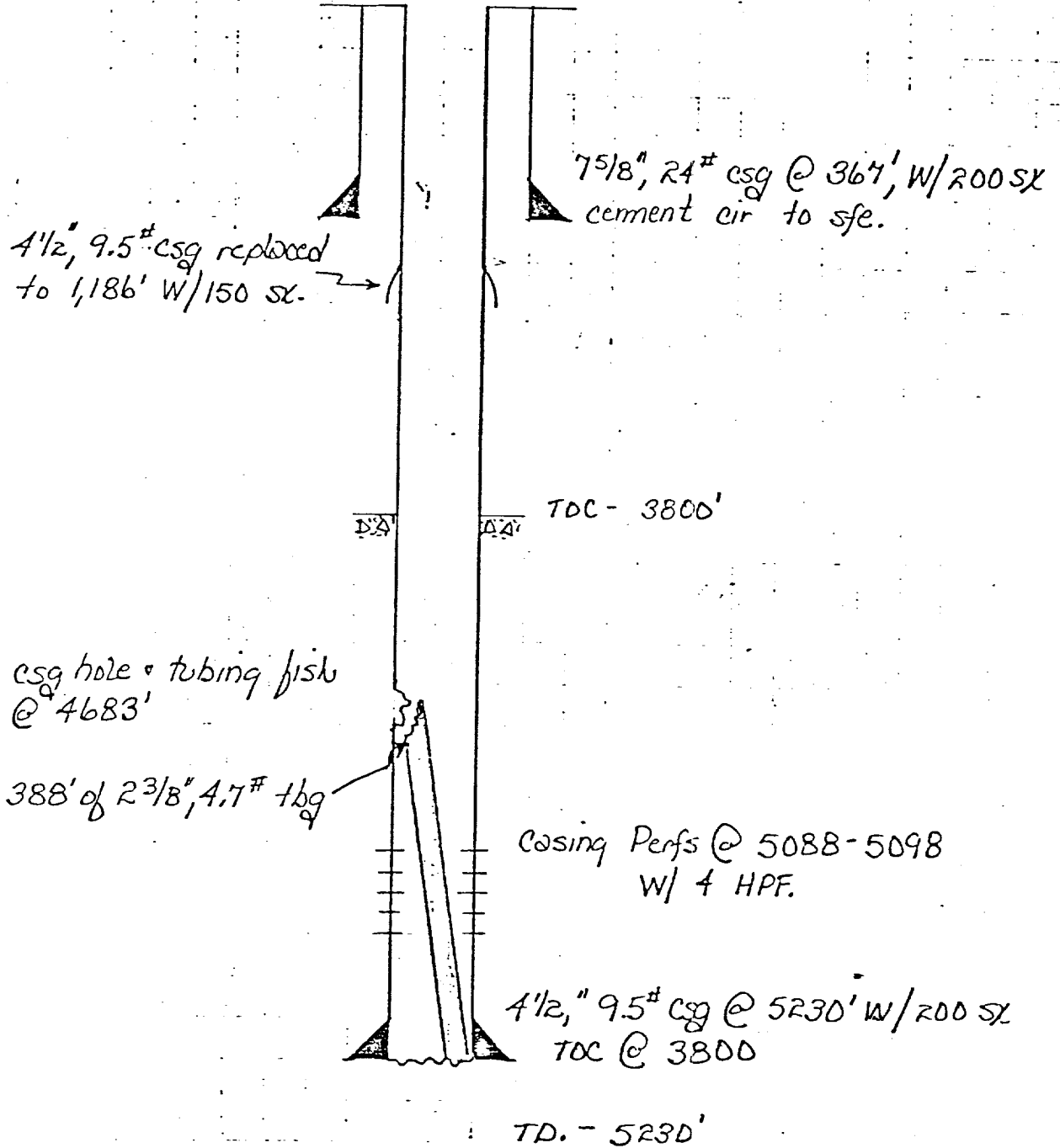
CONFIDENTIAL

JUL 1 1977
OIL COMMISSION
HEBBS, N. M.

PRESENT STATUS

T.SALT-1221'
B.SALT-4773'

Sec 19-23S-33E
1980' FSL + 625' FWL
ELEV- 3714' K.B.



BEE

5/6/77

MARSHALL No 4
PRESENT STATUS

Completed 1/11/62

CRUZ DELAWARE
LEA COUNTY, NM

RECEIVED

JUN 14 1977

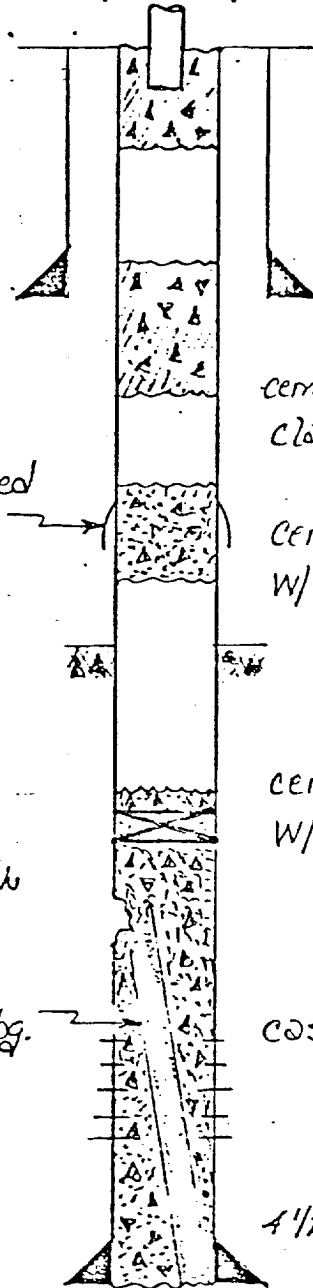
OIL CONSERVATION COMM.
HOBBS, N. M.

PROPOSED STATUS

MARSHALL #4
Sec 19, T-23S, R-33E
1980' FSL & 625' FWL
LEA COUNTY, NEW MEXICO

T. SALT - 1221'
B. SALT - 4773'

0"-13' AGL
3701' GR 3714' D.F



cement plug to sfc w/ 10 SX
class "C" w/ 4" pipe - 4' AGL (marker)

7 5/8", 24# csg @ 367', W/200 SX.
cement air to sfc.

cement plug from ~~367-630~~ ²⁰⁰⁻⁶³⁰' w/ 30 SX.
class "C" cmt.

4 1/2", 9.5# csg replaced
to 1,186' W/150 SX

cement plug from ~~900-1330~~ ⁹⁰⁰⁻¹³³⁰'
w/ 30 SX class "C" cmt.

TOC - 3800'

cement retainer @ 4633', squeezed
W/200 SX. class "C" cmt.

csg hole + tubing fish
@ 4683'

casing perms @ 5088-5098
W/4 HPF.

388' of 2 3/8", 4.7# tbg.

4 1/2", 9.5# csg @ 5230' W/200 SX.

T.D. - 5230'

BEE

5/9/77

MARSHALL #4

PROPOSED STATUS

Completed 1/11/62

Cruz Delaware

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AUG 14 1977

OIL CONTROL DIVISION COMM.
HOBBS, N. M.

Well History and Recommendation

Plug and Abandon Marshall No. 4

It is recommended that the Marshall No. 4 be plugged and abandoned due to the stuck tubing fish and the hole milled through the casing above the fish.

Initial Completion Data

Location: 1980' FSL & 625' FWL, Sec. 19, T23S, R33E, Lea County, N. M.

Completed: January 11, 1962

Elevation: 3714' K.B.

Total Depth: 5230'

Casing: 7 5/8" O.D., 24#/ft., set at 367' with 200 sacks, circulated.
4 1/2" O.D., 9.5#/ft., set at 5230' with 200 sacks, TOC at 3800'

Producing Interval: 5088'-5098'

Formation: Delaware Ramsey Sand

Initial Treatment: Natural

I.P. 158 BOPD, 41.4 MCFPD

Previous Remedial Work

The Marshall No. 4 is presently shut in with cumulative production to date at 141,239 BO. The producing rate prior to the casing leak was 30 BOPD and 21 BOPD.

Discussion

The Marshall No. 4 was drilled in 1962 and completed as an oil well in the Delaware Ramsey sand. In 1975, an attempt was made to mill out a tubing fish in the well bore, during which, the mill cut through the casing and started drilling outside the pipe. The well was subsequently shut in.

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OIL CONSTITUTION COMM.
HOBBS, N. M.

L. P. Thompson

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July 21, 1977

Due to the condition of the well bore created by the above work, the chances of going back in and recovering the tubing fish are very slim. However, with the estimated remaining reserves of 40,000 BO at this location, a replacement well for Marshall No. 4 is justified. An AFE to drill the Marshall No. 8 as a replacement has been submitted.

Recommendation

Since the well bore of Marshall No. 4 can not be utilized for any purpose, it is recommended that the subject well be plugged and abandoned.

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