

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Number 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

Type of Well <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other <input type="checkbox"/> Well <input checked="" type="checkbox"/> Well <input type="checkbox"/> Other	Well Name and No. Schwerdtfeger No. 3
Name of Operator Marathon Oil Company	API Well No. 30-045-06374
Address and Telephone No. P. O. Box 552, Midland, TX 79702	Field and Pool, or Exploratory Area Basin, Dakota
Location of Well (Footage, Sec., T., R., M., or Survey Description) L - 1850' FSL & 790' FWL Sec. 21, T27N, R11W	County of Parish, State San Juan, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recommission
<input checked="" type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Account number of multiple completions on well.
Completion or Abandonment 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.)

Marathon Oil Company respectfully requests permission to plug and abandon Schwerdtfeger No. 3. The following is the proposed procedure:

1. Set cement plug from 6385' to 6528' (PBTD). (Perfor 6437-6496')
2. Pump 9.5 lb/gal mud 5400-6385'.
3. Set CIBP @ 5400' and dump 2 sx cement. (Isolate Gallup)
4. Pump 9.5 lb/gal mud 1800-5400'.
5. Set CIBP @ 1800' and dump 2 sx cement. (Isolate Pictured Cliffs)
6. Pump 9.5 lb/gal mud 50-1800'.
7. Set cement plug 50' to surface.
8. Remove wellhead and install P&A marker.

RECEIVED
APR 13 1992
OIL CO. DIV.
Dkt. 2

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

I hereby certify that the foregoing is true and correct		APPROVED AS AMENDED
Signed <u>Rod J. Prosceno</u>	Rod J. Prosceno Title <u>Operations Engineer</u>	
(This space for Federal or State Office use)		
Approved by _____	Title _____	APR 10 1992
Comments on approval, if any:	NMOCD	AREA MANAGER

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 statement or representation as to any matter within its jurisdiction.

*See instruction on Reverse Side

WELL DATA SHEET

FIELD: Basin Dakota (Kutz Canyon)

LEASE & WELL NO.: Schwerdtfeger No.3

LOCATION: L - 1850' FSL & 780' FWL
Sec. 21, T27N, R11W

COUNTY AND STATE: San Juan County, NM

WELL STATUS: Shut-in

TD: 6566 PBD: 6528 GL: 6282 KB 6270

SURFACE CASING: 8 5/8", 24 lb/ft brd, @195'.
Cement with 200 sx.

INTERMEDIATE CASING: n/a

PRODUCTION CASING: 4 1/2", 11.6 lb/ft, 8rd, J-55, @6562'.
Cement 1st stg 225 sx. TOC @5810'.
Cement 2nd stg 75 sx. Repaired
leaks 3214'-3440'.

TUBING: 2 3/8", 4.7 lb/ft, (est. 6500')

RODS: 5/8" (est. 6500')

COMPLETION INTERVAL: Dakota 6437' - 6496'
(4 JSPF)

PBD 6528'

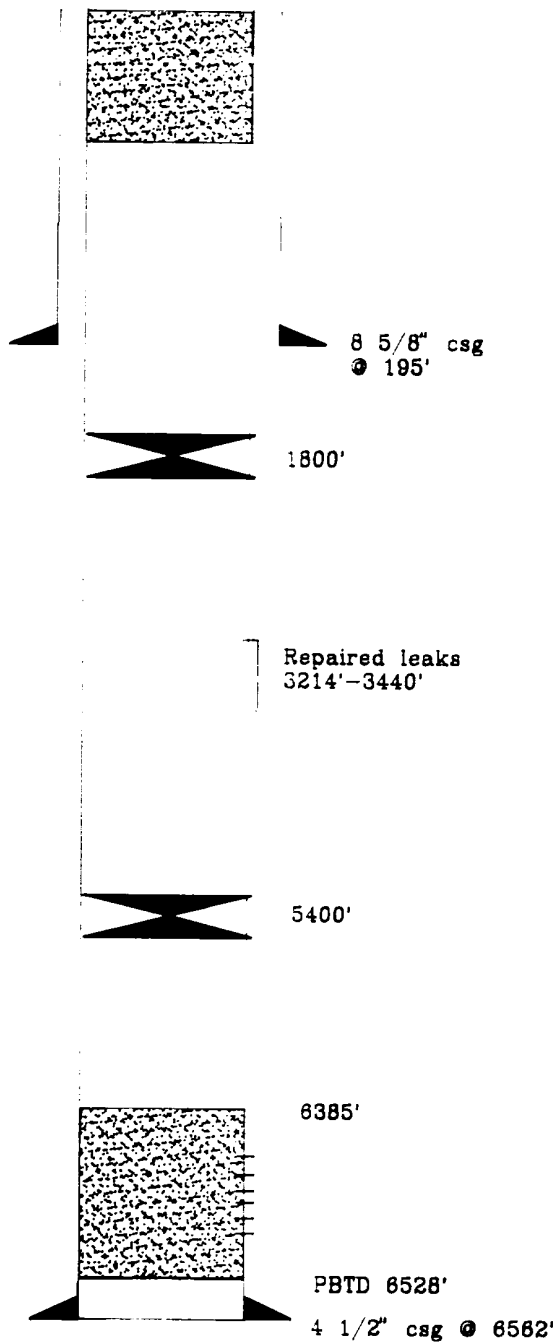
4 1/2" csg @ 6562'

HISTORY: Drilled and completed in January, 1961. Perforated 6479'-6496'.
Fractured w/ 839 BW and 25,000 lbs 20/40 sand. Perforated
6437'-6456'. Fractured w/ 689 BW and 12,300 lbs 20/40 sand.
IP - 3.76MMcfpd.

PREPARED BY: R. J. Prosceno

DATE: 4-1-92

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PREPARED BY : R. J. Prosceno

DATE 4-1-92

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 3 Schwerdtfeger

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Mark Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 326-6201.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):
 - 1) Set a plug from 5500 - 5400 inside & outside 4 1/2" casing + 100% excess
 - 2) Set a plug from 3430 - 3530 + 50% excess
 - 3) Set a plug from 2830 - 2730 inside & outside 4 1/2" casing + 100% excess
 - 4) Set a plug from 1968 - 1868 + 50% excess
 - 5) Set a plug from 1654 - 1554 inside & outside 4 1/2" casing + 100% excess
 - 6) Set a plug from 950 - 708 inside & outside 4 1/2" casing + 40% excess
 - 7) Set a plug from 245 - 0 inside & outside 4 1/2" casing

Office Hours: 7:45 a.m. to 4:30 p.m.

GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON RESOURCE AREA

1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.

2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.

3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.

4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl_2 is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).

5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perfs-unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.

5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.

6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, and a nonfermenting polymer. Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.

7. Following the placement of a cement plug, the withdrawal rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.

8. Within 30 days after plugging work is completed, file a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5), in quintuplicate with Area Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.