Form 3160-5 (June 1990)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135
Expires: March 31, 1993
5 Lease Designation and Serial No.

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		14-20-603-5034
SUNDRY NOTICES	S AND REPORTS ON WELLS  drill or to deepen or reentry to a different reservoir.  OR PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name
o not use this form for proposals to d Use "APPLICATION FO	OR PERMIT—" for such proposals	Navajo
		7. If Unit or CA, Agreement Designation
SUBMI	T IN TRIPLICATE	
ype of Well Oil Gas X Other SWD well	1	8. Well Name and No.
Oil Gas X Other SWD well	Tocito SWD #1	
Robert L. Bayless		9. API Well No.
Address and Telephone No.	10. Field and Pool, or Exploratory Area	
P.O. Box 168, Farmington, N. Location of Well (Footage, Sec., T., R., M., or Survey	Tocito Dome Penn. "D"	
1980' FSL & 660' FWL	11. County or Parish, State	
Section 21, T26N, R18W	-	
		San Juan County, NM
CHECK APPROPRIATE BOX	X(s) TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	N
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off Conversion to Injection
	Altering Casing	
Final Abandonment Notice		Dispose Water
Describe Proposed or Completed Operations (Clearly state give subsurface locations and measured and true ve (formerly Navajo Tribal U Request approval for long	Example to the state of star should be all pertinent details, and give pertinent dates, including estimated date of star errical depths for all markers and zones pertinent to this work.)*  #1)  term shut in. Bayless may require u	Completion or Recompletion Report and Log form: ting any proposed work. If well is directionally drille se of this well for water
Describe Proposed or Completed Operations (Clearly state give subsurface locations and measured and true ve (formerly Navajo Tribal U Request approval for long disposal in the future. Pl All wellhead valves will b	X Other <u>long term shut in</u> te all pertinent details, and give pertinent dates, including estimated date of starertical depths for all markers and zones pertinent to this work.)*	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ting any proposed work. If well is directionally drilled see of this well for water 2, 1991 to Ron Fellows.
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or representations as to any matter within its jurisdiction.

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Water disposal and gas injection projects further complicate the fluid distribution scenario. Injected water and gas has channeled into some areas of the reservoirs, but not into others.

Amoco recognized this problem when they operated in the field. Their foreman has told us that they shut in wells with high gas or water cuts, allowing oil resaturation and higher oil cuts when the wells were produced later. Bayless has returned wells to production at initial rates of over 100 BOPD, that when last produced were uneconomic.

Bayless' plan is to recommence production on several of these wells on a rotating basis in an attempt to find trapped or resaturated oil and gas. Obviously this cannot be done without the existing wellbores. For the most part, additional drilling for these remaining reserves cannot be justified. Putting <u>all</u> shut in wells back on production at this time does not make good engineering sense, in addition to not being a sound economic policy. Many of the remaining shut in wells should be pumped again on a rotating basis in an effort to find oil redistributed by previous operating practices.

We request that BLM approve long term shut in status for all the subject wells not currently producing. Bayless plans to rotate its existing production equipment between the current producing wells and the remaining non plugged wellbores in the field on a long term basis. This plan will maximize remaining oil recovery from this depleted field, and will benefit both Bayless and the Navajo Nation.

Sundry notices requesting long-term shut in are provided with this letter for your approval. Please contact me if you wish to discuss this matter further.

Sincerely,

Tom R. McCarthy Petroleum Engineer

Attachments