TIDE WATER ASSOCIATED OIL COMPANY
79 New Montgomery Street
San Francisco, California.

December 1, 1948

LOG OF MARIANO DOME WELL

COMPANY: TIDE WATER ASSOCIATED OIL COMPANY

WELL NO. MARIANO DOME NO. 1

LOCATION: 1,252 feet north and 121 feet east of S/4 corner Section 8, T. 15 N., R. 13 W.

ELEVATION: 7,570 feet. (Aneroid)

SPUDDED: September 21, 1948

ABANDONED: November 18, 1948

COUNTY: McKinley County, NEW MEXICO

TOTAL DEPTH: 4,653 feet.

Casing record: 11-3/4 inch casing cemented 398 feet with 225 sacks.

Drilled

0-80	Conglomerate, Dakota formation.
80-222	Drilled top of Morrison, approximately 90 feet shale, streaks of sand.
402-600	Drilled bentonite and sand.
600-650	Sand, medium grained, reddish, sub-rounded quartz grains.
650-680	Sand, fine to medium light gray, sub-rounded quartz grains.
680-700	Sand, medium greenish-gray to pink.
700-730	Sand, gray, friable, rounded frosted quartz grains.

Drilled

730-740	Sand, gray, fine to medium, with streaks of red and green sandy shale.
740-750	As above.
750-790	Sand, fine greenish-grey, frosted sub-rounded grains.
790-800	Shale, chocolate brown, sandy in part.
800-810	Sand, fine, reddish.
810-840	Shale, chocolate brown.
840-860	Sand, fine red to green, frosted quartz grains.
860-880	Sand, greenish-grey with streaks of green sandy shale.
880-890	Sand, grey, fine, rounded quartz grains.
890-920	Sand, fine grey, interbedded with red and green shale.
920-960	Sand, fine grey, friable, rounded grains.
	Schlumberger indicates Todilto in interval 965-980.
980-1210	Top Entrada 980.
	Sand, pink, fine, friable, frosted quartz grains. Contain over 50% red and green shale cavings.
	Top Carmel 1210 feet (Schlumberger)
1210-1220	Limestone, siliceous in part.
1220-1230	Shale, green and chocolate, and limestone.
1230-1260	Shale, green and chocolate with occasional streaks of sand.
	Top of Chinle 1242 feet. (Schlumberger)

Drilled

1260-1270	Shale, light, limey.
1270-1320	Shale, green, with monor amounts of red shale.
1320-1340	Sand, salmon colored, plus minor amounts of red and green shale.
1340-1420	Shale, red and green sandy, variegated in part.
1420-1450	Sand, fine, light red.
1450-1460	Sand, brick red.
1460-1470	Shale, green and red sandy.
1470-1510	Sand, brick red, fine silty, streaks of sandy shale.
1510-1570	Shale, sandy, red and green mottled.
1570-1620	Shale, dark red.
1620-1670	Shale, brick red.
1670-1700	Shale, dark red, sandy towards base.
1700-1720	Sand, red, fine, greenish in part.
1720-1740	Shale, dark red.
1740-1750	Shale, purplish, silty.
1750-1770	Shale, red and green, sandy.
1770-1810	Shale, red and green, with streaks of sand.
1810-1903	Shale, brick red mottled with green spots.

		green shale. No evidence of dips.
Drilled		
1909-1920		Shale, brick red with spots of light green.
Cored		
1920-1925	5	Shale, brick red, mottled with small light green spots, no dips.
Drilled		
1925-1930		Shale, brick red.
1930-1970		Shale, silty in part, red with few green spots.
1970-1975		Siltstone, brick red with light green spots.
Cored		
1975-1985	6	Total.
	4	Shale, red, mottled with green.
	2	Sand, fine silty red with few spots of green. Conglomeratic near base with angular fragments of siltstone.
1985-2000	10	Total.
	4	Sand, fine silty brick red.
	6	Shale, red with occasional spots of light green.
2000-2009	9	Shale, brick red clay soft crumbles easily.
2009-1012	2	As above. Looks bentonitic.
2012-2018	6	As above.
2018-2036	10	As above.
Drilled		
2036-2038		As above.

Cored	Rec. Feet	
2038-2058	20	Shale, brick red, soft, mottled with green in part.
2058-2078	20	Shale, brick red, soft, crumbly with occasional spots of green.
2078-2098	20	As above.
2098-2107	7	Total.
	3	Sand, brick red, fine, silty.
	4	Shale, brick red clay, soft mottled with green in part.
2107-2127	20	Total.
	14	Shale, brick red, soft.
	2	Sand, brick red, very fine, silty, containing angular fragments of shale.
	4	Shale, brick red mottled with green in part.
2127-2147	16	Shale, brick red soft clay.
2147-2167	18	Total.
	17	As above.
	1	Shale, sandy brick red.
2167-2187	20	Total.
	10	As above.
	10	Shale, brick red, soft clay.
2187-2207	20	As above, plus few spots of green.
2207-2227	20	Shale, brick red, clay crumbly, few small spots of green.
2227-2247	20	As above.
2247-2267	20	As above.

Cored	Rec. Feet	
2267-2287	20	Total.
	1	As above.
	6	Shale, purple soft crumbly bentonitic.
	2	Conglomerate, made up of angular fragments of purple, red and green shale.
	11	Shale, brick red, bentonitic, soft crumbly.
2287-2307	20	As above, plus spots of pale green.
2307-2327	20	Total.
	13	As above.
	7	Shale, purple and green variegated.
2327-2347	20	Total.
	6	As above.
	14	Shale, sandy purple with spots of light green.
2347-2367	20	Total.
	4	As above.
	16	Shale, bentonitic brick red mottled with pale green. Soft.
2367-2387	5	Shale, purple mottled with pale green, soft crumbly bentonitic.
2387-2407	12	Shale, purplish red with small spots of green, firm silty.
2407-2427	20	Total.
	12	Shale, chocolate mottled with pale green. Crumbly, bentonitic.

Cored	Rec. Feet	
2407-2427	8	Shale, sandy, chocolate mottled with light green.
		Top Shinarump 2427 feet (cores), 2449 feet. (Schlumberger)
2427-2444	16	Total.
	3	Sandstone, medium to coarse grained, light green to chocolate with irregular thin streaks of chocolate sandy shale. No show. Looks wet.
	13	Sandstone, grey coarse grained crossbedded with thin streaks of chocolate sandstone and occasional fragments of green and chocolate shale.
2444-2452	6	Sandstone, greenish-gray, medium to coarse, crossbedded. No show. Looks wet.
2452-2459	7	Conglomerate and grit, grey green crossbedded. Contains fragments of green shale at base. Irregular laminations of coal at 2457 feet.
2459-2475	6	Total.
	1/2	Shale, pale green.
	5-1/2	Sandstone, greenish-grey coarse, porous, crossbedded. Contains scattered pebbles of chert. Looks wet.
2475-2484	6	As above. (4 inches of pale green shale at 2484')
2484-2490	6	Total.
	2	Siltstone, hard, light green.
	2	Shale, pale green.
	2	Sandstone, greenish-grey, hard, coarse grained, wet, sulphur water odor.
2490-2492	2	Total.
	1	Shale, purplish-red.
	1	Shale, green mottled with red.

Drilling	Rec. Feet	
2492-2500		Shale, sandy dark red with streaks of fine sand.
2500-2510		Sandstone, grey, fine grained.
2510-2520		Sandstone with chert pebbles and red and green shale.
2520-2530		Sandstone with chert pebbles.
		Base of Shinarump 2537 feet. (Schlumberger)
2530-2540		Shale, red and green, soft bentonitic.
2540-2550		Shale, purple to red with streaks of grey siltstone.
2550-2570		Shale, variegated purple and green.
2570-2590		As above, mostly purple plus some gypsum?
2590-2600		Shale, purplish red.
2600-2610		No sample.
2610-2620		Shale, purple with green streaks.
2620-2630		Shale, brick red.
2630-2710		Shale, variegated red and purple, some green, sandy in part.
2710-2720		Sandstone, grey to reddish, very micaceous, fine grained.
2720-2730		Shale, red and purple, sandy in part.
2730-2740		As above, plus streaks of micaceous sand.
2740-2750		Sand, greenish-grey fine grained, quartzitic.
2750-2770		As above, plus red and purple siltstone.

Drilling	Rec. Feet	
2770-2790		Shale, red and purple, sandy with streaks of hard, fine sandstone.
2790-2800		Sand, red, fine, silty.
2800-2830		Shale, purple-red.
2830-2840		Shale, purple.
2840-2870		Shale, purple and green. Streaks of fine sand towards base.
2870-2890		Sandstone, fine, gray to red. Streaks of sandy shale towards base.
2890-2900		Shale, purple to green, sandy in part.
2900-2910		Sandstone, fine, light grey with streaks of red sandy shale.
2910-2920		Marl, light grey to white.
2920-2950		Shale, red, sandy.
2950-2970		Shale, red and blue, bentonitic.
2970-2980		Shale, red, sandy in part.
2980-3010		Shale, blue, some purple, with thin streaks of fine red sand.
3010-3020		Shale, red, sandy, with streaks of grey sand and gypsum - probably in veins.
3020-3040		Sandstone, grey, medium grained, porous, friable.
3060-3070		Sandstone, pink, medium grained, porous, friable, with streaks of sandy shale.
3070-3095		Sandstone, pink, medium grained, friable, porous.

Cored	Rec. Feet	
3095-3099	1/2	Sandstone, pink, medium grained, porous. Looks wet. No show.
3099-3115	14	Sandstone, pink to buff, medium grained, sub-rounded grains, friable, permeable with occasional irregular laminations of light grey glauconitic sandstone. Looks wet. No show.
3115-3130	8	Sandstone, buff, medium grained with occasional large grains, sub-rounded, arkosic, friable, permeable, cross-bedded, scattered grains of glauconite throughout. Looks wet. No show.
3130-3150	20	Total.
	15	Sandstone, red, medium grained with a few coarse grains, sub-rounded, poorly sorted, arkosic, micaceous, cross-bedded, contains occasional irregular laminations of dark mineral grains.
	5	Sandstone, buff, medium to coarse grained, friable, sugary, permeable, cross-bedded, arkosic, glauconitic and hematitic (?) grains scattered throughout. Looks wet.
3150-3160	10	Sandstone, buff, medium to coarse grained, friable, permeable, cross-bedded, contains scattered grains of glauconite. Irregular laminations of dark red sandy shale towards base. Looks wet.
3160-3178	18	Sandstone, buff, medium grained with occasional coarse grains, permeable, friable, arkosic, with scattered grains of glauconite. (6 inches of chocolate and green shale at 3175 feet). Looks wet.
3180-3200	19	Total.
	1/2	Siltstone, chocolate, very hard,
	2-1/2	Sandstone, reddish buff, fine, hard, impermeable, arkosic with scattered grains of glauconite and irregular laminations of chocolate siltstone. Looks dry.

Cored	Rec. Feet	
3180-3200	15	Sandstone, dark buff, medium grained with few coarse grains, arkosic, friable. Looks wet.
	1	Siltstone, chocolate, hard, micaceous.
3200-3219	19	Total.
	3	Siltstone, choclate, hard, with occasional laminations of light hard sandstone.
	2	Sandstone, greenish-grey, fine to medium grained arkosic, scattered grains of glauconite, hard, tight and dry, contains occasional laminations of chocolate shale.
	1	Siltstone, chocolate, hard, micaceous, contains occasional spots of green shale.
	3	Sandstone, buff to reddish buff, medium grains, friable, permeable, dry, arkosic with scattered grains of glauconite.
	3	Shale, chocolate, sandy, few spots of green shale.
	1	Sandstone, light buff to green with irregular laminations of green and chocolate shale. Hard, tight and dry.
	6	Sandstone, reddish buff to red, medium, friable, with occasional laminations of chocolate shale. Impermeable, dry.
3219-3239	20	Total.
	6	As above.
	2	Sandstone, buff, medium-grained, hard, tight, well cemented, and dry.
	3	Sandstone, chocolate, fine grained with scattered grains of glauconite throughout. Irregular laminations of chocolate shale towards base. Hard tight and dry.

Cored	Rec. Feet	
3219-3239	2	Shale, chocolate, micaceous, hard, firm and sandy.
	2	Sandstone, green-grey to buff, fine to medium grained, scattered grains of glauconite. Hard, tight and dry.
	3	Siltstone, chocolate, hard, firm, micaceous.
	2	Sandstone, chocolate-red, medium, friable, permeable, wet. Glauconite grains.
3239-3257	11	Total.
	3	Shale, chocolate, sandy, hard, micaceous.
	1	Sandstone, mottled pink and green, fine grained, hard, tight, dry.
	1	Shale, chocolate, hard, firm.
	2	Sandstone, chocolate, fine, hard, tight, dry. Glauconite grains.
	4	Sandstone, chocolate, fine, impermeable, dry, contains occasional irregular laminations of chocolate shale.
3259-3266	6	Shale, variegated, chocolate and green. Sandy in part.
3266-3286	20	Total.
	2	Sandstone, pinkish-grey, sugary, medium well cemented, impermeable.
	9	Siltstone, chocolate, with spots of pale green.
	7	Sandstone, buff, medium grained, friable. Looks wet.
	2	Sandstone, pale green mottled with chocolate, friable and wet.

Cored	Rec. Feet	
3286-3295	9	Total.
	5	Siltstone, chocolate mottled with pale green.
	4	Sandstone, grey to red, hard and tight.
Drilled.		
3295-3300		Sandstone, reddish to grey. Streaks of anhydrite.
3300-3305		Shale, red sandy-streaks of anhydrite.
3305-3310		Sandstone, brick red, fine grained, silty.
3310-3315		Siltstone, reddish with streaks of fine sand.
3315-3320		Sandstone, grey fine grained silty. No show.
		Possible top of Chupadera (San Andres) 3320 feet.
3320-3325		Siltstone, black, hard.
Cored		
3325-3329	4	Siltstone, black hard, dense, with veins of anhydrite (?) Fetid odor when struck with hammer. No cut. This looks very similar to the oil shale of the Green River formation.
3329-3332	2	As above.
3332-3352	20	Total.
	4	As above. Grades into fine sandstone at base.
	2	Sandstone, very fine, hard, tight, dark grey. No show.
	14	Sandstone, grey-greenish in part fine grained with occasional thin irregular streaks of siltstone. Wet where permeable.

Drilled	Rec. Feet	
3352-3355		Shale, grey, poor sample.
3355-3375		Sandstone, reddish-buff, fine grained, poor samples.
3375-3380		Sandstone, grey, fine grained.
3380-3385		Siltstone, grey.
3385-3390		Shale, grey with streaks of anhydrite.
3390-3413		Shale, sandy in part, reddish with streaks of anhydrite or gypsum.
3413-3416		Sandstone, grey medium grained.
3416-3450		Shale, brick red, sandy in part, bentonitic in part.
3450-3470		Sandstone, brick red, fine grained, silty. Few streaks of anhydrite.
3470-3485		Sandstone, brick red fine grained silty with streaks of sandy shale.
3485-3490		Shale, brick red sandy with streaks of fine silty brick red sand.
3490-3510		Sandstone, brick red, fine silty.
3510-3530		Sandstone, brick red fine silty with streaks of brick red sandy shale.
3530-3540		Shale, brick red and purple, sandy in part-streaks of red silty sandstone.
3540-3550		Shale, purple with streaks of brick red sandy shale.
3550-3560		As above, plus fine silty sand.
3560-3570		Shale, purple, brick red and light blue.

Drilled	Rec. Feet	
3570-3575		As above, plus streaks of brick red fine silty sand.
3575-3585		Shale, sandy brick red.
3585-3595		Shale, brick red and pale green. Some purple.
3595-3605		Sandstone, brick red very fine silty.
3605-3630		As above, plus streaks of brick red sandy shale.
3630-3640		Shale, brick red, sandy with streaks of very fine silty sandstone.
3640-3645		Sandstone, brick red very fine grained, silty.
3645-3670		Sandstone, orange-red, very fine grained silty with streaks red shale.
3670-3680		Shale, red, sandy in part, with streaks of orange-red silty sandstone.
3680-3690		Shale, chocolate and blue-grey.
3690-3710		Shale, blue and chocolate.
3710-3725		Shale, blue, streaks of orange-red sand 3715-20.
3725-3800		Shale, blue, grey and red with streaks of orange red fine silty angular grained sandstone.
3800-3830		Sandstone, orange-red, fine silty with streaks of red sandy shale. (streaks of blue-grey shale 3820-3830)
3830-3880		Shale, blue-grey, sandy in part, with streaks of red fine silty sand.
3880-3910		Sandstone, red, fine silty and red sandy shale. (Streaks of blue shale 3890-3900 feet)
3910-3920		Shale, red.
3920-3945		Sandstone, grey to red with few streaks of marl.
3945-3970		Shale, brick red, sandy in part.

Drilled	Rec. Feet	
3970-3985		Sandstone, red, fine, silty streaks of red shale.
3985-3990		Shale, red, sandy in part.
3990-4035		Shale, blue, purple and red.
4035-4040		Sandstone, rusty red, fine silty with streaks of purple, blue and grey shale.
4040-4045		Shale, blue and purple with streaks of orange red sandstone.
4045-4070		Shale, blue, purple and grey with streaks of orange red sandstone.
4070-4080		Shale, blue and purple.
4080-4090		Shale, blue and green.
4090-4110		Shale, dark blue and red.
4110-4130		Shale, blue-grey.
4130-4140		Sandstone, orange-red, fine, silty, micaceous, angular grains.
4140-4150		As above, plus purple shale.
4150-4160		As above, plus blue and purple shale and few pieces of white marl or lime.
4160-4170		As above, plus red sandy shale.
4170-4190		Shale, blue, purple and red.
4190-4210		As above, plus streaks of sand and possibly some anhydrite.
4210-4230		Sandstone, orange-red, very fine grained. Silty with streaks of red, purple and green sandy shale. Few pieces of lime.

Drilled	Rec. Feet	
4230-4260		Shale, chocolate, blue and brick red, sandy. Poor sample.
4260-4270		Shale, blue with streaks of chocolate, brick red and purple shale.
4270-4280		As above, plus streaks fine red sand. Poor sample.
4280-4290		Shale, red with some blue and chocolate sandy with streaks red sand.
4290-4310		Shale, chocolate colored.
4310-4330		Shale, chocolate red and pale blue.
4330-4370		Shale, chocolate-red with few streaks of blue shale.
4370-4390		Shale, dull red with streaks of blue, sandy in part.
4390-4410		Shale, chocolate, red, blue and green. Sandy in part.
4410-4420		Shale, chocolate, sandy in part.
4420-4440		Shale, chocolate with red blue clay shale streaks. Sandy in part.
4440-4460		Shale, red and chocolate, sandy, and purple bentonitic shale.
4460-4480		Shale, red and chocolate. Sandy.
4480-4500		As above. Plus streaks of blue and green bentonitic shale.
4500-4510		As above. Plus streaks of sand and blue-green shale.
4510-4520		Shale, red and chocolate sandy, with streaks of light colored lime.
4520-4530		Shale, chocolate colored sandy. Some purple and blue.
4530-4540		As above. Plus streaks of light green sand and few pieces of limestone.
4540-4560		Shale, chocolate colored.
4560-4608		Shale chocolate with streaks of purple and blue. Few pieces of lime.

Drilling	Rec. Feet	
		Top Pennsylvanian 4608 feet.
4608-4613		Limestone, grey, crystalline. Hard and tight. No show.
Cored		
4613-4621	8	Total.
	4	Limestone, grey crystalline with irregular laminations of chocolate shale. Hard and tight. No show.
	4	Shale, variegated chocolate and green with numerous fragments of grey lime.
4621-4630	5	Shale, chocolate with fragments of green marl and limestone.
4630-4633	6	Limestone, grey, crystalline. Hard tight. No show.
4633-4643		No recovery.
4643-4648		No recovery.
4648-4653		No recovery.
		Samples show above no recovery cores to be grey limestone.
4653-4657	4	Sandstone, very fine grained, dark grey, hard tight, with irregular laminations of dark grey shale. No show.
4657-4661	4	Total.
	1	As above.
	2	Shale, blue-grey to dark grey. Contains fragments of limestone.
	1	Sandstone, dark grey fine, hard and tight. No show.
4661-4664		No recovery. Logged as limestone, purple and red shale.
4664-4667		No recovery. Logged as shale, chocolate and grey limestone.

Cored	Rec. Feet	
4667-4671		No recovery.
4671-4676	2	Limestone, dark grey and crystalline.
4676-4685	8	Total.
	2	Limestone, grey with irregular laminations of chocolate and red shale.
	4	Shale, chocolate contains fragments of limestone.
4682	2	Limestone, grey dense with irregular laminations of green and red shale.
4684	1	Shale, clay variegated blue green and red.
	1	Granite, hard, firm, unweathered.
		Top of Granite 4695 feet.
		Electric log total depth 4696 feet.

STATE OF NEW MEXICO
OFFICE OF STATE GEOLOGIST
SANTA FE, NEW MEXICO

18 November 1948

The Gallup Independent
Gallup, New Mexico

RE: Case No. 166 - Notice of Publication.

Gentlemen:

Please publixh the enclosed notice once, immediately. Please proof-read the notice carefully and send a copy of the paper carrying such notice.

UPON COMPLETION OF THE PUBLICATION, PLEASE SEND PUBLISHER'S AFFIDAVIT IN DUPLICATE.

For payment please submit statement in duplicate, accompanied by voucher executed in duplicate. The necessary blanks are enclosed.

Very truly yours,

_____

GRS:bsp

FORM 337

TIDE WATER ASSOCIATED OIL COMPANY

ASSOCIATED

DIVISION

F. A. MENKEN
MANAGER, GEOLOGICAL DEPARTMENT

79 NEW MONTGOMERY STREET
SAN FRANCISCO 20, CALIFORNIA

December 3, 1948.

Mr. FRANK C. BARNES,
Office of State Geologist,
Santa Fe,
New Mexico.

Dear Mr. Barnes:

Thank you for submitting a carbon copy of your letter of November 29, 1948, addressed to Mr. Enders at Durango, in which you have called attention to certain matters which have not been handled to your complete satisfaction.

Tide Water Associated Oil Company has long been an operator in the State of New Mexico, and I am sure you will find that we have, to the best of our ability, cooperated with the Office of the State Geologist of New Mexico to the fullest extent.

I regret very much that some misunderstanding has arisen with respect to information and samples from our recently abandoned well on Mariano Dome in McKinley County. Upon receipt of your letter an immediate explanation was requested from Mr. Enders who informs us that all of the information requested by Mr. Greer was given, and that in the matter of samples, Mr. Enders made certain inquiry as to how the cuts should be made and where they should be sent in order to meet your requirements in the most satisfactory manner.

Mr. Enders further states that on November 18th Mr. Greer, accompanied by a scout from the Standard Oil Company of Texas, called at the well and asked certain questions, all of which he states were completely answered, and if there is any information which Mr. Greer had wanted, such would have gladly been furnished him, and we are unaware of any data or information which was not given to Mr. Greer to his complete satisfaction.

I am sure you will find during our continued activities in the State of New Mexico that the fullest cooperation will always be extended to your office by this company.

Very truly yours,

F.A. Merrick

FAM:MH

Tide-Water Associated Oil Co., Western Division, failed to acquaint itself with the requirements of the law in the State of New Mexico, and caused to be drilled a well at the aforementioned, unorthodox location, since found to be non-productive, and now abandoned.

All forms required to date are on file with the Commission Secretary, excepting No. 105, to be presented when the bottom hole log is complete. A complete set of drilling samples will be forwarded to the State Bureau of Mines at Socorro. Two copies of Schlumberger electric logs will be filed at Commission offices when available.

Tide-Water Oil regrets this oversight and will furnish full information to the Commission on all wells drilled by its Western Division, regardless of land ownership. The petitioner suggests an order from the Commission approving the application of October 19th, 1948.

Exhibit A, Case No. 166

STATE OF NEW MEXICO

OFFICE OF STATE GEOLOGIST

SANTA FE, NEW MEXICO

Nov. 29, 1948

Mr. D. W. Enders, Geologist
Tidewater Associated Oil Co.
757 8th. Street
Durango, Colorado

dlr

Dear Sir:

It has come to my attention through our Aztec representative, Mr. Al Greer, that you are reluctant to cooperate with the Oil Conservation Commission in the matter of information and samples from your Mariano Dome well in McKinley County, New Mexico.

I want to remind you that this well was drilled with complete disregard to the New Mexico State spacing regulation which states that, " no well shall be drilled closer to any unit boundry line than 330 feet." The unit consisting of a legal 40 acres. We have been extremely tolerant in our attitude towards this well and have allowed drilling to proceed without interruption, even though we were not notified of this illegal location until long after drilling had commenced. We try to cooperate and assist the operator whenever possible, but we expect the same cooperation in return.

According to the New Mexico State Oil Conservation Act of 1935, " any person who violates any provision of this act or any rule, regulation or order of the Commission, shall be subject to a penalty not to exceed One Thousand ($1,000.00) Dollars a day for each and every day of such violation and for each and every act of violation."

If your company is too poor to provide sample sacks and if you are too busy to send those samples to the State Bureau of Mines, Socorro, New Mexico, perhaps you could better afford a five to ten thousand dollar fine for your oversight in locating this well.

Please remember that ignorance of the law is no excuse here, even as in California.

STATE OF NEW MEXICO

OFFICE OF STATE GEOLOGIST

SANTA FE, NEW MEXICO

I am sending you another copy of our bulletin No. 6-A which outlines the general rules and regulations of the Commission and I recommend you read this carefully. I hope we can expect your full cooperation in the future. Any further violations on your part will require very firm action by the Commission.

Very truly yours

Frank C. Barnes,
Geologist

FCB/sv

cc: Al Greer, Aztec, New Mexico

cc: Chief Geologist
Tidewater Associated Oil Co.
79 New Montgomery St.
San Francisco, California

NEW MEXICO
OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

November 20, 1948

Mr. R. R. Spurrier
Director, Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Dick:

When I visited the Tidewater Associated location last week I found a Mr. D. W. Enders, a geologist, in charge of Tidewater operations here in New Mexico and very politely but firmly refused to put out any information other than that the hole was drilled "tight" and no samples or information would be available until he had had time to study the electric log and samples which he thought he would probably be able to do within the next sixty days; that in the meantime if the New Mexico Bureau of Mines would send him some sample sacks he would see that they would get a sample cut.

You, of course, know that practically all of the Operators here in the Basin belong to the sample cut at Farmington; the Tidewater had been invited to join but refused. Now it seems that the company itself had no objections. They left it, according to Mr. Enders, entirely up to him and he did not think it a good idea. Well, of course that is entirely up to them. They are paying for the hole and also paying Mr. Enders, whose judgment is, no doubt, satisfactory to them as a geologist, but I fail to see how a man can be smart enough to be in charge of this type of operation and still be as dumb as he pretends to be about the Rules and Regulations governing the drilling of wells for oil and gas in the states they operate in.

What I would like for you to do would be for you to write him or his Company a letter and tell him that he will receive the sacks he requested and at the same time inform him as to what he will be expected to do so far as the state is concerned when he is drilling a well on other than state or deeded lands. His address is:

D. W. Enders
Geologist for Tidewater Associated Oil Co.
757 8th Street
Durango, Colorado

Very truly yours,

Al Greer

Al Greer

FORM 1373

TIDE WATER ASSOCIATED OIL COMPANY

ASSOCIATED

DIVISION

Box 811
Ventura California
December 5 1948

Mr. R. R. Spurrier
State Geologist & Secretary of
Oil Conservation Committee
Santa Fe New Mexico

Dear Sir:

Attached hereto please find the following forms covering the drilling by our Company of Mariano Deme Well #1, in Section 8, T15N, R13W, McKinley County, New Mexico:

(a) Form C-101 Intention to drill.

(b) Form C-102 Miscellaneous notice - intention to plug well

(c) Form C-103 Miscellaneous report - report of result of plugging well.

Yours truly,

M. Mears

M. Mears
Drilling Superintendent

OK RS
Dec. 6.

MM/e
encls (3)