



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
P. O. Box 187  
Artesia, New Mexico

January 19, 1949

Grayburg Oil Company  
Box 416  
Loco Hills, New Mexico

Re: L. C. 028793-A

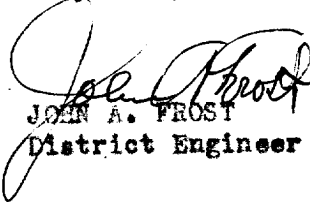
Gentlemen:

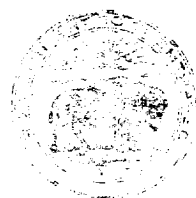
Receipt is acknowledged of your "Notice of Intention to Drill" dated January 11, 1949, covering your No. 24 Burch well on the subject land in the SW<sup>1</sup> NE<sup>1</sup>, section 19, T. 17S., R. 30E., Grayburg-Jackson Field, Eddy County, New Mexico.

Your proposed work is hereby approved subject to compliance with the provisions of the "Oil and Gas Operating Regulations" revised May 25, 1942, a copy of which will be sent you on request, and subject to the following conditions:

1. Drilling operations so authorized are subject to the attached sheet for general conditions of approval.
2. Furnish the U. S. Geological Survey with percentage sample log covering formations drilled from the base of salt to total depth.
3. The location of this well was approved for production purposed by New Mexico Oil Conservation Commission, Case No. 152 and 164, order 721, dated November 15, 1948.

Very truly yours

  
JOHN A. FROST  
District Engineer



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BIOLOGICAL SERVICE

1. *Pharmaceutical industry*

PLEASE READ BEFORE STARTING OPERATIONS

Attention is called to the following general and special requirements most likely to be overlooked by operators on Federal oil and gas leases. Suspension of field operations may be required by the District Engineer for failure to comply with the Operating Regulations, the conditions of drilling approval, and these requirements:

GENERAL

1. All drilling and producing wells shall be permanently marked in a conspicuous place with the name of operators, lease name, serial number of lease, well number, and location. Necessary precautions must be taken to preserve such signs.
2. Any desired change of drilling plan or condition of approval must have written approval of the District Engineer BEFORE the change is made.
3. Unless otherwise specified in the approval to drill, the production string of casing must be set at the top of the pay zone, and completion shall be made with a reasonable gas-oil ratio.
4. Before work is started, written approval must be obtained, unless other acceptable arrangements are made in advance with the District Engineer, and after work is completed results must be reported to the U. S. Geological Survey by submitting complete information in triplicate on form 9-331a, covering:
  - a. Mudding or cementing, including proposed date and method of testing water shut-off.
  - b. Drill-stem tests or perforating.
  - c. Casing alterations, packer settings, or repairs of any kind.
  - d. Shooting, acid treatment, deepening or plugging back.
  - e. Gas-lift installations.
  - f. Drilling of water wells.
5. Monthly report of operations in duplicate, on form 9-329, must be submitted promptly each month beginning with spudding of the first well on a lease and continuing until approved abandonment of all drilling and producing operations.
6. Log, in triplicate, on form 9-330, must be submitted within 10 days of reaching temporary or permanent drilling depth. Copies of all electrical logs, sample cutting logs, drilling-time logs, and any other well information not given on the standard form, should be attached to same.
7. Separate application to drill any water well on federal land is required, and special procedure is necessary for abandonment of any well having a desirable water supply.
8. All wells and lease premises shall be maintained in first class condition with due regard to safety, conservation, appearance, and refuse disposal.
9. The notice of intention to drill any well is rescinded without further notice if drilling is not started within 90 days of approval.
10. Cement must be allowed to set a minimum of 72 hours on all strings of casing prior to drilling the plug, except for modifications provided by the Supervisor's order dated March 18, 1947, copy of which will be furnished on request.

SPECIAL (none, if so indicated.)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Las Cruces  
Lease No. 028793-A  
Unit Burch "A"

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Loco Hills, New Mexico January 11, 19 49

Well No. 24-A is located 2310 ft. from [N] line and 2615 ft. from [E] line of sec. 19

Sec. 19 17 South 30 East N.M.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Grayburg-Jackson Eddy New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to drill this well as follows:

Objective: Grayburg-Jackson Zone.

Total Depth: Approximately 3200'.

Casing Program: Will run approximately 490' of 8 5/8" OD casing to top of salt and cement with 50 sacks cement preceded by heavy mud to surface.

Will run approximately 2880' of 7" OD casing and cement with 100 sacks cement preceded by heavy mud to surface.

Acidizing Program: To be submitted at a later date.

Spud Date: Drilling operations to commence on or about January 25, 1949,  
with a company owned No. 3 National Machine

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Grayburg Oil Company of New Mexico

Address Box 416  
Loco Hills, New Mexico

By R. J. Healy, Jr.  
Title Vice President