

APPROVED

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R268.4
Approval expires 12-31-60.

DEC 2 1960

(SUBMIT IN TRIPLICATE)

E. W. STANDLEY
DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Cruces

Lease No. 061036-A

Unit 0

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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 RE-DRILLING 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)

December 1, 1960

Early Flint Ray-USA

Well No. 2 is located 660 ft. from N line and 1780 ft. from E line of sec. 9

SW, SW, Sec. 9
($\frac{1}{4}$ Sec. and Sec. No.)

25-S
(Twp.)

32-E
(Range)

10TH
(Meridian)

Undesignated
(Field)

Lee
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is 3454 ft. est.

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)

See attached program and plats.

ILLEGIBLE

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

Company Tennessee Gas Transmission Company

Address P.O. 307

Hobbs, New Mexico

By A. W. Lang A. W. Lang

Title District Production Superintendent

TENNESSEE GAS AND OIL COMPANY
PROGNOSIS TO DRILL AND COMPLETE

Lease: Emily Flint Ray-USA

Well No.: 2

District: Hobbs

Field: Paduca Area

Location: 660' FSL & 1980' FEL, Sec. 9, T-25-S, R-32-E, Lea Co., New Mexico

Projected Horizon: Delaware Sand

Estimated TD: 4800'

Estimated Elevation: 3407 G.L.

Drilling, Casing, and Cement:

1. Drill 12 1/4" hole to approximately 350'.
2. Cement 8 5/8" casing at approximately 350' w/sufficient volume to circulate.
3. WOC 24 hrs. Release pressure and install BOP after 12 hrs. Pressure test casing w/600 psi for 30 minutes after WOC 18 hrs.
4. Drill 7 7/8" hole to Delaware Sand core point at approximately 4650'. Exact coring depth to be determined by wellsite Exploitation Engineer.
5. Core from 4650' to 4800' w/7 13/16" diamond bit.
6. Set 5 1/2" casing at TD w/130 sacks of 50/50 Pozmix "S" and regular with 2% gel (or equivalent).
7. WOC 18 hrs. Run temperature survey after WOC 8 hrs. Pressure can be released if float holds; otherwise, hold pressure on casing for 8 hours.
8. Run tubing and pressure test casing w/1500 psig for 30 minutes after WOC 18 hrs.
9. Displace water w/oil.
10. Release rotary rig.

Drilling Mud:

1. Drill w/fresh water native mud to TD. Mud properties will be adjusted to meet requirements for good samples, coring, and drill stem tests. Prior to coring or running a drill stem test, the mud should have the following properties: Viscosity 35-40, water loss 5 to 10cc or less in 30 minutes, filter cake 2/32" or less.
2. No oil will be added without consent of wellsite Exploitation Engineer.

Drill Stem Tests:

1. One drill stem test may be run in the Delaware Sand between 4600' and 4700'.

Drilling Time:

1. Record 1' drilling time from surface to TD using Geolograph.
2. Record 1' drilling time in addition to Geolograph while coring.

Drill Pipe Measurement:

1. Tally drill pipe on last two trips prior to reaching casing point.
2. Tally drill pipe in strain under company supervision at all casing points, coring points, drill stem test points, and at TD.

Samples:

1. Catch one set of 10' drilling samples from 4300' to TD unless otherwise directed by wellsite Exploitation Engineer.
2. No time lag will be made in catching samples and 15 minute circulating samples will be caught for a period of one hour while circulating unless otherwise directed by the wellsite Exploitation Engineer.
3. Samples will be washed thoroughly, sacked, and labeled as directed by the wellsite Exploitation Engineer.
4. Two one-quart samples will be caught and labeled of any fluid recovered by drill stem tests.

Hole Deviation:

1. Run hole deviation every 100' on surface hole.
2. Run hole deviation survey on each trip for bit or every 500', whichever occurs sooner.
3. Maximum hole deviation from surface to TD shall be 4°.
4. If hole deviation changes more than 1 1/2 degrees in any 100' interval, a string reamer will be run to wipe out dog leg.
5. If hole deviation changes more than 2 degrees in any 100' interval, the hole shall be plugged back and straightened out.

Survey:

1. Run GR/Sonic log from casing to TD and Laterolog from approximately 4400' to TD.
2. Run temperature survey on 5 1/2" casing string after SOC 8 hours.
3. Run GR correlation log through pay section after cementing 5 1/2" casing.

Completion:

To be determined at total depth.

APPROVED:

ORIGINAL SIGNED BY
C. E. NANCE

C. E. Nance

APPROVED:

ORIGINAL SIGNED BY
A. W. LANG

A. W. Lang

CWN/nl

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator Tennessee Gas & Trans. Co.		Lessee Emily Flint Ray USA		Well No. 2
Unit Letter 0	Section 9	Township 25 South	Range 32 East	County Lea County
Actual Footage Location of Well: 1980 feet from the East line and 660 feet from the South line				
Ground Level Elev. 3453.5	Producing Formation Silurian Sand	Pool Undesignated	Dedicated Acreage: 10 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ "Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ if answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

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NEW MEXICO SURVEY

NEW MEXICO
CERTIFICATION

SECTION B

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name
John W. West
Position
District Production Supt.
Company
Tennessee Gas Trans. Co.
Date
December 1, 1960

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
11-23-60
Registered Professional Engineer and/or Land Surveyor, **JOHN W. WEST**
676
Certificate No.
N. M. - P. E. 676
JOHN W. WEST

