APPROVED COPY TO O. C. C. HOBBS

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

MAY 17 1960

(SUBMIT IN TRIPLICATE)

E. W. STANDLEY
DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Artesia
Lease No. LC-065872-D
Unit M

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MAY 13 1960
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	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)

Richardson & Bass - USA

May 10, 1960

Well No. 1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 31

SW of Section 31 — (¼ Sec. and Sec. No.)
25-S — (Twp.)
33-E — (Range)
NMPM — (Meridian)

Undesignated — (Field)
Lea — (County or Subdivision)
New Mexico — (State or Territory)

The elevation of the derrick floor above sea level is 3335 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)

See Attached Program & 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. Box 307

Hobbs, New Mexico

By D. W. Coffey

Title District Production Superintendent

GPO 862040

TENNESSEE GAS AND OIL COMPANY
PROGNOSIS TO DRILL AND COMPLETE

Lease: Richardson and Bass-USA

Well No.: 1 Field: Wildcat

Location: 660' FSL & 660' FWL, Section 31, T-25-S, R-33-E, Lea County, New Mexico

Projected Horizon: Delaware Sand

Estimated Top of Pay: 4800'

Estimated Total Depth: 5000'

Estimated Ground Level Elevation: 3325'

Drilling, Casing & Cement:

1. Drill 9" hole to approximately 350'.
2. Cement 7-5/8" casing at approximately 350' w/sufficient volume to circulate. Casing design as follows: 350' - 7-5/8", 26#, J-55, STaC.
3. WOC 24 hours. Release pressure and install BOP after 12 hours. Pressure test casing after 24 hours w/600 psi for 30 minutes.
4. Drill 6-1/4" hole to Delaware Sand core point at approximately 4800'. Exact coring point to be determined by the well-site geologist.
5. Core from 4800' to 5000' w/6-1/4" diamond bit.
6. Cement 4-1/2" casing at TD w/sufficient volume to protect all zones of interest. Casing design as follows: 5000' - 4-1/2", 9.5#, J-55, STaC.
7. WOC 24 hours. Release pressure and run temperature survey after WOC 8 hours.
8. Run tubing and pressure test casing w/1500 psi for 30 minutes. Displace water w/oil.
9. Release rotary rig.

Drilling Mud:

1. Drill w/fresh water native mud to approximately 1000'.
2. Drill w/salt saturated mud from 1000' to TD. Mud properties will be adjusted for obtaining good samples. Water loss and filter cake properties will be adjusted to meet coring and drill stem testing requirements.

Geological Data:

Estimated tops of important formations:

Quaternary	Surface
Rustler Anhydrite	815'
Salt	1100'
Banded Anhydrite	3100'
Lamar Lime	4760'
Delaware Sand	4800'

Prognosis to Drill and Complete -

Drill Stem Tests:

1. Two drill stem tests will be run in the Delaware Sand between 4800' and 5000'.

Surveys:

1. Run Gamma Ray-Sonic Log from surface casing to TD and Laterolog from approximately 4760' to TD.
2. Run GR correlation log through pay section after cementing 4-1/2" casing.

Completion:

1. Rig up Pulling Unit.
2. Swab fluid level down to 1500'.
3. Pull tubing.
4. Run GR correlation log through pay sections.
5. Perforate selected intervals in Delaware Sand w/4 holes per foot.
6. Frac down 4-1/2" casing w/5000 gallons of refined oil and 10,000 lbs. 20-40 mesh sand.
7. Run 2" EUE tubing.
8. Install well head.
9. Swab well in.

PDL/lm

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

HOBBS OFFICE OCC

1960 MAY 24 AM 9 31

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator	Lease	Well No.
Tennessee Gas Transmission Co.	Richardson & Bass USA	1

Unit Letter	Section	Township	Range	County
M	31	25S	33E	Lea

Actual Footage Location of Well: 660 feet from the South line and 660 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3325		Undesignated	40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X 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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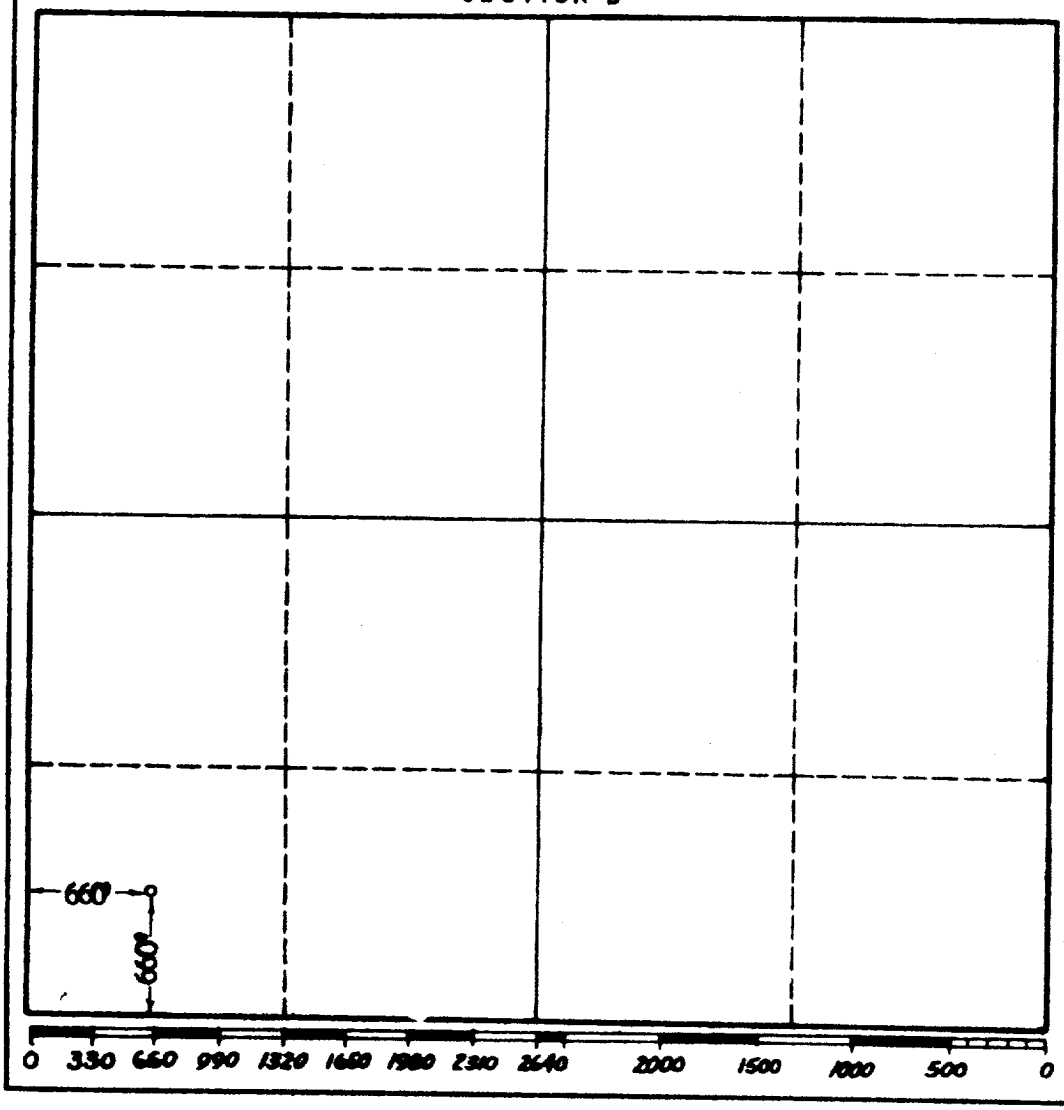
SECTION B



CERTIFICATION

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

Name: D. W. Coffey
Position: District Production Supt.
Company: Tennessee Gas Transmission Co.
Date: May 10, 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.

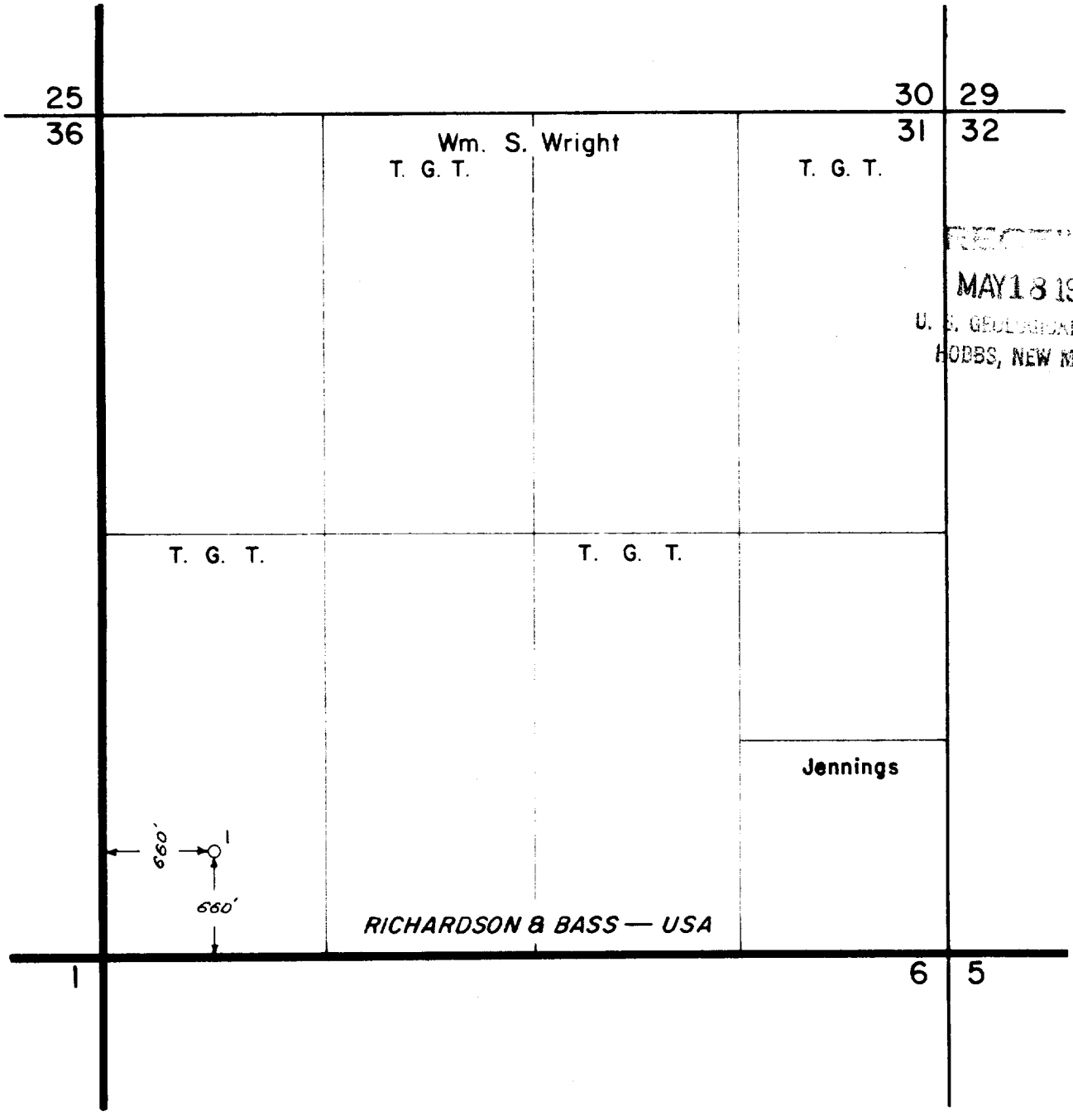
Date Surveyed: 5/4/60

Registered Professional Engineer and/or Land Surveyor, JOHN W. WEST

Certificate No. N. M. - P.E. & L.S. NO. 676

REG. PROF. ENGINEER & LAND SURVEYOR STATE OF NEW MEXICO 676

R 33 E



T 25 S

TENNESSEE GAS AND OIL COMPANY
DIVISION OF TENNESSEE GAS TRANSMISSION COMPANY

LOCATION PLAT

RICHARDSON & BASS-USA- No. 1

KINGS AREA

Sec. 31, T 25 S, R 33 E

SOUTHWEST LEA COUNTY, NEW MEXICO

SCALE 1" = 1000'

R. E. C.