# APPROVED

Form <b>9-</b> 331a	MOV 4 1960	COPY TO O.C.C.	Buć Apr	lget Bureau No. 42–R358.4. Droval expires 12–31–60.
(Feb. 1951)	E. W. STANDLEY DISTRICT ENGINEER	(SUBMIT IN TRIPLICATE)	Land Office	Las Cruces 061936-A
	DEPA	ARTMENT OF THE INTERIOR GEOLOGICAL SURVEY	Unit	м С5 актор бахаа
Li				- NOV 4 1960

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF 9000S, NEW MEX
NOTICE OF INTENTION TO CHANGE PLANS		
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)

	November 1				
Well No. 1 is located	<b>660</b> ft.	from ${ S \\ S }$ line and	<b>660</b> ft. from	${ {\bf B} \\ {\bf W} }$ line of sec. 10	
SW7, 5W2, Sec. 10 (1/2 Sec. and Sec. No.)	25 <b>-</b> 8	32-E	NMPM		
(1/2 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)		
Undesignated		Lea	New	Mexico	
(Field)	(C	ounty or Subdivision)	(St.	ate or Territory)	

The elevation of the derrick floor above sea level is 3413 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.

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 Box 307

Hobbs, New Mexico

By Cereting A. W. Lang

Title District Production Superintendent

# TENNESSEE GAS AND OIL COMPANY

PROGNOSIS TO DRILL AND COMPLETE

Lease: Polly Flint way - Sta

Field: Paduca Area

Well No.: 1

District: Hobbs

660' 7 1 and 6:0' Folg pertion 10, "-30-, -32-, tas munty, Location: ter feed oo

Projected Horizon: Delaware Sand

Estimated TD: 4800!

Estimated Elevation:

## Drilling, Casing, and Cement:

- 1, Drill 9 5/8" hole to approximately 350'.
- 2. Cement 7 5/8" casing at approximately 350' w/sufficient volume to circulate.
- 3. MOC 24 hrs. Release pressure and install BOP after 12 hrs. Pressure test
- casing w/600 psi for 30 minutes after VCC 24 hrs.
- 4. Drill 6 3/4" hole to Delaware Sand core point at approximately 4700'. Exact coring depth to be determined by wellsite Exploitation Ingineer. 5. Core from 4700' to 4800' w/6 11/16" diamond bit.
- 6. Set 42" casing at TD w/sufficient cement to protect all zones of interest.
- 7. UOC 24 hrs. Release pressure and run temperature survey after MOC 8 hrs.
- 8. Run tubing and pressure test casing w/1500 psig for 30 minutes.
- 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 10 cc 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 47001.

#### 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 two sets 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 diffculating samples will be caught for a period of one hour while circulating unless otherwise directed by the wellsite Exploitation Ingineer.
- 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 GL/Sonic log from casing to TD and Lateralog from approximately 4400' to TD.
- 2. Run temperature survey on 4 1/2" casing string after WOC 8 hours.
- 3. Run GR correlation log through pay section after cementing 4 1/2" casing.

#### Completion:

- 1. Rig up P.U.
- 2. Full tubing to 4300'.
- 3. Run GR correlation log through pay section. Lower tubing to within 100' of pay zone.
- 4. Perforate selected intervals w/4 holes per foot.
- 5. Wash pay with 500 gals mud clean-out agent, if necessary.
- 6. Swab well for test.
- 7. Frac down 2" tubing w/5000 gals refined oil and 10,000 lbs of 20-40 mesh sand.
- 8. Swab well in.

ORIGINAL SIGNED BY: C. W. NANCE

APPROVED:

C. V. Nance

GIGGNAL	Α	₩.	LANG
GIGNED BY	,		

APPROVED:

A. U. Lang

	VELI	NEW MEXICO					FORM C-128 Revised 5/1/57
	SEE IN	STRUCTIONS FO	RCOMPLETIN	G THIS FORM C	N THE REV	ERSE SIDE	· · · · · · · · · · · · · · · · · · ·
			SECTI			î în -	
Operator			Lease	Desites D	i int Do		Covell No.
Tennesse	Gas Trans	s. Co.		Emily F		ly and	
Unit Letter	Section 10	Township 255	Ra	32E	County	a	
M Actual Footage Le	1	2.55					
660	fest from the	South	line and 60	50 fe	et from the	West	line
Ground Level Eler 3442, '		ormation	Pool		<b></b>	\	Dedicated Acreage: Acrea
<ol> <li>Is the Operator who has the vij another. (63-</li> <li>If the answer t wise? YES</li></ol>	gbt to drill into en -3-29 (e) NMSA 19 to question one is NO	d to produce from 935 Comp.) "'no," have the is If answer in "'yes	any pool and to nterests of all th ,'' Type of Cons	appropriate the c owners been ( olidation	production e	ither for his	. ("Owner" means the person nself or for himself and tization agreement or other-
3. If the answer t	o question two is	"no," list all the	owners and the	is respective in	erests below	:	
Owner				Land Descri	ptiona		
<u></u>	- <u></u>					'J	. S. CLOCONICAL SOLVER, 202285, AEM MEXICO
		SECTION	8			] -	CERTIFICATION
						in SECT plete to i belief. Name Position Date Boren I hereby	certify that the information ION A above is true and com- the best of my knowledge and Rang A. We Long Lot Production Support Into Production Support Into The Section B was
- 660 <sup>1</sup> .0 99 1	990 (320 1460	1980 Zaro 2640	2000 /	500 1000	500	plotted fi surveys i supervia and corre and belie Date Sy Register and/or c	rom field notes of actual made by me or under my son, and that the same is true ect to the best of my knowledge ef. L. HGINEER & HAN L. ATE OA C. 27. 1960