

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Dallas, Texas
PLACE

December 19, 1944
DATE

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as.....

Southern Union Production Company Walker Well No. 2 in San Juan
COMPANY OR OPERATOR LEASE

of Sec. 3, T. 29 N, R. 15 E, N. M. P. M., Delcher Basin Field, San Juan County.

The well is 220 feet (N) (S.) of the North line and 930 feet (E.) (W.) of the East line of Section 3.

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. Assignment No.

If patented land the owner is Jennie H. Walker

Address 27 Hillside Ave. Mt. Clair, New Jersey

If government land the permittee is.....

Address

The lessee is Southern Union Production Company

Address 1104 Burt Bldg., Dallas, Texas

We propose to drill well with drilling equipment as follows:.....

Pl. North Spudder, Model 4.

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: Covered by Blanket Bond

We propose to use the following strings of casing and to land or cement them as indicated:

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	NEW OR SECOND HAND	DEPTH	LANDED OR CEMENTED	BACKS CEMENT
18"	18"	60#	S.H.	20'	C	12
18"	18"	80#	S.H.	680'	L	
12	10-3/4"	40#	S.H.	300'	L	
10"	8-3/8"	32#	S.H.	1400'	L	
8"	5 1/2"	14#	New	2000'	C	60

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 2000 feet.

Additional information:

Drilling strings will be pulled and annular space filled with mud or aqueous gel

upon completion

Approved 12-27, 19 44
Except as follows:

Sincerely yours,

Southern Union Production Company

COMPANY OR OPERATOR

By Van Thompson

Position Engineer

Send communications regarding well to

Name Van Thompson

Southern Union Production Company

Address 1104 Burt Bldg., Dallas, Texas

OIL CONSERVATION COMMISSION

By John M. Kelly

Title

N

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

SOUTHERN UNION PRODUCTION COMPANY

1104 Hurt Building, Dallas, Texas

Company or Operator Jennie H. Walker Well No. 2 in NE 1/4 of Sec. 3 Address 29 North
 Lease Pulcher Basin Field, East San Juan County.
 R. 1E 2E 3E N. M. P. M. 990 feet south of the North line and 990 feet west of the East line of Section 3

If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is Jennie H. Walker Address 27 Hillside Ave., St. Clair, N. I.

If Government land the permittee is _____ Address _____
 The Lessee is Southern Union Production Company Address 1104 Hurt Bldg., Dallas, Tex.

Drilling commenced January 8 1945 Drilling was completed February 15 1945

Name of drilling contractor _____ Address _____

Elevation above sea level at top of casing 5790 feet.

The information given is to be kept confidential until _____ 19____

OIL SANDS OR ZONES

No. 1, from 1035 to 1045 Show G. No. 4, from _____ to _____
 No. 2, from 1884 to 1910 No. 5, from _____ to _____
 No. 3, from 1966 to 1974 Gas No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 340 to 348 feet.
 No. 2, from 405 to 455 feet.
 No. 3, from 1035 to 1045 feet.
 No. 4, from _____ to _____ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
16"	60#		O.D.	36'	Regular	None			Surface
13-3/8"	50#		O.D.	580'	"	All			Drilling
8-5/8"	35#		O.D.	1220'	"	All			Drilling
7"	20#		O.D.	1808'	"	All			Drilling
5 1/2"	14#		O.D.	1884'	"	None			Producing
1" Biphon Line				1954'		None			

MUDDLING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13"	13-3/8"	360'				2 sacks Aquagel
10"	8-5/8"	1220'				3 sacks Aquagel
	7"	1808'				4 sacks Aquagel
5"	5 1/2"	1884'	50			10 sacks Aquagel

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
 Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		Nitroglycerin	50 qts.	2-11-45	1974'	1974'

Increased flow of Gas

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from _____ feet to 1974' feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing _____ 19____
 The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment. Gravity, Ba _____
 If gas well, cu. ft. per 24 hours 537,000 Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. 555

EMPLOYEES

J. F. Smith Driller G. D. Noland Driller
Bill Powell Driller _____ Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 20th
February 1945
 day of _____

Arlene Rawls
 Notary Public
 ARLENE RAWLS
 Notary Public, Dallas County, Texas
 My Commission expires June 1, 1945

February 20, 1945

Place _____ Date _____
 Name Law Thompson
 Position Engineer
 Representing SOUTHERN UNION PRODUCTION COMPANY
1104 Hurt Bldg., Dallas, Texas
 Address _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	0	0	Surface - 36" of 16" Cag.
60	150	100	Sand
160	280	20	Sand and Shale
280	340	60	Sand and Shale
340	345	5	Sand - Five Barrels of water per hour
345	395	50	Sandy Shale
395	405	10	Light Shale
405	455	50	Sand - hole full of water
455	525	70	Sand
525	565	40	Sand and Gravel
565	580	35	Sand
580	590	10	Sandy Shale - Set 580' of 13-3/8" G. D. Cag. Used two sacks Aquagel
590	625	35	Sand and Shale
625	670	45	Sand and Shale, grey
670	705	35	Sand and Shale
705	760	55	Gray Shale
760	795	35	Gray Shale Shells
795	840	45	Gray Shale
840	870	30	Gray Shale
870	905	35	Gray Sandy Shale
905	975	70	Gray Sandy Shale
975	1035	60	Gray Sandy Shale
1035	1045	10	Sand - Showing Gas - Water
1045	1085	10	Sand
1085	1085	30	Hard Gray Sand - Correction on hole measurement - shows 45 feet short
1040	1105	65	Blue Shale
1105	1190	85	Gray Sandy Shale
1190	1195	5	Line
1195	1230	35	Gray Shale - Set 1220' of 8-5/8" Cag., 3 sacks Aquagel
1230	1405	75	Gray Shale
1405	1445	40	Gray Shale and Shells
1445	1585	140	Gray Shale
1585	1625	40	Dark Shale
1625	1695	70	Dark Shale
1695	1700	5	Sand Breaks
1700	1710	10	Sand - Coal
1710	1720	10	Brown Shale
1720	1760	40	Brown Shale
1760	1790	30	Dark Shale
1790	1810	20	Brown Shale - Caving. Ran 1800' of 7" G. D. Cag. 4 sacks Aquagel.
1810	1840	30	Dark Shale
1840	1860	20	Coal and Sand
1860	1880	20	Blue Sandy Shale
1880	1884	4	Sand - Ran 1884' of 8 1/2" G. D. Cag., cemented with 50 sacks cement; 10 sacks Aquagel.
1884	1910	26	Sand - Showing of Gas
1910	1917	7	Sand
1917	1935	18	Shale - Light
1935	1938	3	Shale - Light
1938	1943	5	Sand
1943	1966	23	Shale - Light
1966	1974	8	Light Shale. - Total Depth
			Shot well with 10 lbs. nitro; tested 5 inches before shot; 14 inches after.
			Ran 1954 feet of 1-inch Siphon Line.
			Final Open Flow: 537,000 cu. ft. of gas