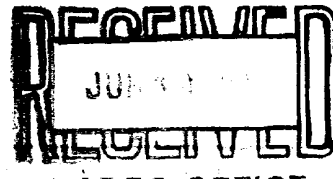
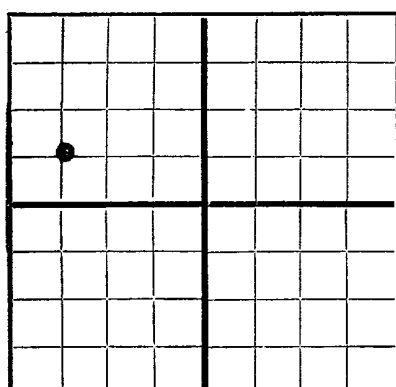


DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New MexicoAREA 640 ACRES
LOCATE WELL CORRECTLY

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 TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.**

Southern Union Gas Company **Dallas, Texas.**
Company or Operator Address
State **1** Well No. **1** in **Lot 13**, of Sec. **2**, T. **21S**
Lease
R. **37E**, N. M. P. M. **Wildcat** Field, **Lea** County.
Well is **4620** feet south of the North line and **4620** feet west of the East line of **Section 2**
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Address
If Government land the permittee is Address
The Lessee is **Southern Union Gas Company** Address **Dallas, Texas.**
Drilling commenced **May 3** 19 **49** Drilling was completed **June 17** 19 **49**
Name of drilling contractor **Makin Drilling Co.** Address **Hobbs, New Mexico**
Elevation above sea level at top of casing **3480' Gr.** feet.
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from **6681** to **6687** No. 4, from **6715** to **6721**
No. 2, from **6693** to **6699** No. 5, from **6730** to **6736**
No. 3, from **6703** to **6709** No. 6, from **6745** to **6750**

IMPORTANT WATER SANDS

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

No. 1, from to feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	TO	PURPOSE
13-3/8	48#	8	Nat'l	145'	T.P.				
9-5/8	36#	8	"	2924'	Float				
7	23#	8	"	6797'	Float				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2	13-3/8	163'	175	Plug	9.0	
12-1/4	9-5/8	2939'	1600	Plug	9.2	
8-3/4	7	6810'	600	Plug	9.6	

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
		Chemical	500 g	6-23-49	6681-6736	
		"	2000 g	6-24-49	" "	

Results of shooting or chemical treatment **Well flowed and swabbed natural 3 bbl. oil/hr. After 500 gal acid well flowed 132 bbl. fluid in 12 hr. thru open 2 1/2" tbg. out 10% BS & water. After 2000 gal acid well flowed 479 bbl. FL oil in 42 hr. on choke with 200# T.**

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 **0** feet to **6810'** feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing **June 25** 19 **49**
The production of the first 24 hours was **268** barrels of fluid of which **100** % was oil; % emulsion; % water; and % sediment. Gravity, Be. **34**
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

V. C. De Witt Driller **V. L. Lewis** Driller
Glen Strange 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

day of **June** 19 **49**
Notary PublicMy Commission expires **10/24/49****Hobbs, New Mexico** **June 27, 1949**Name **Charles V. Miller**Position **Agent**Representing **Southern Union Gas Co.**
Company or OperatorAddress **Dallas, Texas.**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	40	40	Caliche
40	85	45	Caliche and shells
85	160	75	Red beds and shells
160	280	120	Red beds
280	1040	760	Red beds and shells
1040	1370	330	Anhydrite and red beds
1370	1420	50	Anhydrite
1420	2340	920	Anhydrite and salt
2340	2365	25	Anhydrite
2365	2450	85	Anhydrite and sa lt
2450	2870	420	Anhydrite
2870	2940	70	Anhydrite and lime
2940	3185	245	Lime
3185	3285	100	Lime and shells
3285	4045	760	Lime
4045	4101	56	Sandy lime
4101	4260	159	Lime
4260	4310	50	Sandy lime
4310	6344	2034	Lime
6344	6371	27	Lime and shale
6371	6404	33	Sandy lime
6404	6810	406	Lime

DRILL STEM TESTS

5354'-5405' Tool open 1 hour with 15 minute bottom hole shut
shut in pressure. Light blow air for 50 minutes. Recovered 180' of slight
gas cut mud with trace of oil.

5400'-5470' Tool open 1-1/2 hours. Light blow air. Recovered
365' of slight oil and gas cut mud. Flow pressure 450#. 15 minute
bottom build up pressure 500#.

6525'-6627' Tool open 1 hour and 20 minutes. Light blow air.
Recovered 360' of slightly gas cut mud. 15 minute bottom hole shut in
pressure 300#

6673'-6715' Tool open 1 hour and 40 minutes. Gas to surface
in 4 minutes gauged 150,000 cu. ft. per day. Recovered 3570' of oil
and 90' gas cut mud plus 540' of mud cut oil. 15 minute bottom hole
shut in pressure 2000#

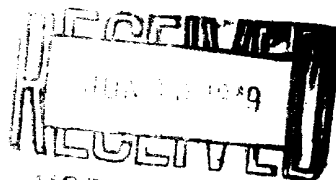
6715'-6762' Tool open 3 hours. Gas to surface 5 minutes,
gauged 175,000 cu. ft. per day. Recovered 2940' of oil plus 810' of
muddy oil and 5 gallons of salt water. 27 minute bottom hole shut in
pressure 2100#

6762'-6810' Tool open 75 minutes. Small blow of air. Recovered
270' of oil and gas cut mud plus 90' of gas cut mud and 90' of salt
water.

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS



Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

June 27, 1949

Hobbs, New Mexico.

Date

Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____

Southern Union Gas Company State _____ Well No. 1 in the
Company or Operator Lease
O-Lot 13 of Sec. 2, T. 21S, R. 37E, N. M. P. M.,
Wildest Field, Lea County.

The dates of this work were as follows: June 22, 1949

Notice of intention to do the work was (~~not~~) submitted on Form C-102 on June 21 1949
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

7" casing was cemented on bottom at 6810' with 600 sacks. Cement was allowed set time of 72 hours before casing was pressure tested. Top of cement, inside casing, was found at 6772' and was drilled out to 6774'. Top of cement, outside 7" casing, was found at 1970' by temperature survey. At end of 72 hours casing was pressure tested and cement job found to be O.K.. Casing was then jet perforated with 4 holes per foot as follows: 6681'-87'; 6693'-99'; 6703'-09'; 6715'-21'; 6730'-36'

Witnessed by Charles P. Miller Southern Union Gas Co. Agent
Name Company Title

Subscribed and sworn before me this 29th
day of June 1949

[Signature]
Notary Public

I hereby swear or affirm that the information given above is true and correct to the best of my knowledge.

Name Charles P. Miller

Position Agent

Representing Southern Union Gas Company
Company or Operator

My commission expires 10/24/49

Address Dallas, Texas

Remarks:

APPROVED
JUL 1 1949

Date _____

[Signature]
Name
Oil & Gas Inspector
Title

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New MexicoJune 21, 1949

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Southern Union Gas Co. State State Well No. 1 in Lot 13
Company or Operator Lease

of Sec. 2, T. 21S, R. 37E, N. M. P. M., North Drinkard Field.
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

8 3/4" hole was cut to depth of 6810'. A string of 23 # J-55 7" casing was cemented on bottom with 600 sacks. Plug was pumped down at 10:30 A.M., June 19, 1949. A temperature survey was run on June 20, 1949 and top of cement, outside 7" casing, was found at depth of 1970'. We propose to allow cement 72 hours set time, then displace mud with water and pressure test casing. If cement job is satisfactory, we will perforate casing from approximate depths of 6680' to 6735'.

JUN 21 1949

Approved _____, 19____
except as follows:

Southern Union Gas Co.
Company or Operator

By Charles P. MillerPosition Agent

Send communications regarding well to

Name Southern Union Gas Co.Address Burt BuildingDallas, Texas

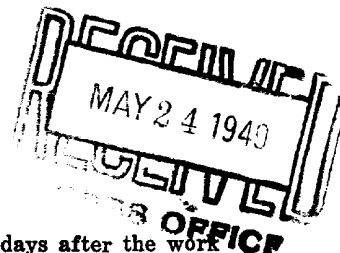
OIL CONSERVATION COMMISSION,

By Ray J. HargraveTitle OIL & GAS INSPECTOR

OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

Santa Fe, New Mexico



Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS	I	REPORT ON REPAIRING WELL
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL		

May 23, 1949
Date

Hobbs, New Mexico
Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____

Southern Union Gas Company State _____ Well No. 1 in the _____
Company or Operator Lease
C-Lot 13 of Sec. 2, T. 21S, R. 37E, N. M. P. M.,
Wilcoast Field, Lea County.

The dates of this work were as follows: May 13, 1949

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on May 13 1949
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

9-5/8" casing was cemented at depth of 2939', with 1600 sacks, on May 11, 1949. Hole was entered with drill pipe on the evening of May 13, 1949 and casing was pressure tested with 1000#. Pressure held OK. Plug was drilled out and drilling resumed.

Witnessed by Roy Fairchild Makin Drilling Co. Toolpusher
Name Company Title

Subscribed and sworn before me this 23rd

day of May 1949

[Signature]
Notary Public

I hereby swear or affirm that the information given above is true and correct to the best of my knowledge.

Name Charles P. Miller

Position Agent

Representing Southern Union Gas Co.
Company or Operator

My commission expires 10/24/49

Address Dallas, Texas

Remarks:

APPROVED

Date May 24 1949

Roy Fairchild
OIL & GAS INSPECTOR
Title

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

MAY 16 1949

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico

Place

May 13, 1949

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the _____

Southern Union Gas Company State Well No. 1 in C-Lot 13
Company or Operator Lease

of Sec. 2, T. 21S, R. 37E, N. M. P. M., Wildcat Field.

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

9-5/8" 36# National Seamless casing was cemented in a 12-1/4" hole at depth of 2939'. Total casing in hole is 2924'. Casing was cemented with 1600 sacks and plug was pumped down at 7:00 P.M. May 13, 1949. A temperature survey was run on May 12, 1949 and cement was found to have circulated back of casing to a point 115 feet from the surface. The Surface and Intermediate strings of casing are, the refore, tied together.

We propose to allow cement approximately 48 hours set time then pressure test casing to determine if cement job is O K. If same is found to be satisfas tory we will drill plug and resume drilling in an 8-3/4" hole.

Approved MAY 16 1949, 19
except as follows:

Southern Union Gas Company
Company or Operator

By Charles P. MillerPosition Agent

Send communications regarding well to

Name Southern Union Gas Co.Address Dallas, Texas.

OIL CONSERVATION COMMISSION,

By Roy Garbrough

OIL & GAS INSPECTOR

Title