DUPLICATE

(Form C-105)

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NOV
HOBBS OFFICE

N

AREA 640 ACRES
LOCATE WELL CORRECTLY

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

Southern Union Production Company, 1104 Burt Bldg., Dallas, Texas
Company or Operator — Address

Satogna Well No. 1 in SW¼ of Sec. 21, T. 29-N
Lease

R. 11-W, N. M. P. M., Fulcher Basin Field, San Juan County.

Well is 4290 feet south of the North line and 4750 feet west of the East line of Section 21.

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is Mrs. J. Satogna, Address Bloomfield, N. M.

If Government land the permittee is _____, Address _____

The Lessee is Southern Union Production Co., Address Dallas, Texas

Drilling commenced Sept. 4, 1946 Drilling was completed Oct. 19, 1946

Name of drilling contractor _____, Address _____

Elevation above sea level at top of casing 5418 feet.

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

OIL SANDS OR ZONES

No. 1, from 605' (G) to 610' (G) No. 4, from 1367' to 1371' (G)

No. 2, from 710' (G) to 720' (G) No. 5, from 1564' to 1610' (G)

No. 3, from 915' to 920' (GAS) No. 6, from 1628' to 1640' (G)

IMPORTANT WATER SANDS

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

No. 1, from 280' to 290' feet. _____

No. 2, from 610' to 620' feet. _____

No. 3, from 675' to 690' feet. _____

No. 4, from 918' to 930' feet. _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
16-1/2"				41'		None			Surface
12-3/4"				480'		All			Drilling
10-3/4"				940'?		All			"
8-5/8"				1380'		All			"
6-1/2"				1655'		None			Prod.
1"	tubing			1620'		None			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	16½"	41'	16	Halliburton		25 bags Aquagel
	8⅝"	1566'	24	"		95 " "

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	40 qts.	10/20/46	1575-1625	1625'

Results of shooting or chemical treatment Well gauge before shot 206 MCF
Well gauge after shot 430 MCF

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 _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 1703 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing 10/20/46, 19____

The production of the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, Be _____

If gas well, cu. ft. per 24 hours 430 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 827 lbs.

EMPLOYEES

Finch, Driller Jones, Driller

Newton, Driller Smith, 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 19th day of November 19 46

_____
Notary Public

My Commission expires: June 1, 1947

Dallas, Texas — Nov. 19, 1946
Place — Date

Name _____

Position Engineer

Representing Southern Union Production Co.
Company or Operator

Address 1104 Burt Bldg., Dallas, Texas.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	5	5	Cellar
5	20	15	Quicksand - water
20	25	5	Boulders - quicksand - water
25	35	10	Boulders & quicksand
35	50	15	Sand
50	70	20	Sand - white
70	78	8	Slate - grey
78	85	7	Sand - water
85	106	21	Sand
106	126	19	Grey slate
126	156	30	Blue shale
156	220	65	Sand
220	235	15	Shale - grey
235	240	5	Sand
240	245	5	Shale - black
245	255	10	Sand
255	275	20	White slate
275	325	50	Sand. Water 280-290.
325	335	10	Slate - grey
335	391	56	Sand
391	404	13	Grey slate
404	415	11	Sand
415	420	5	Grey slate
420	425	5	Black shale
425	435	10	Green shale
435	445	10	White slate
445	465	20	Blue slate
465	525	60	Grey slate
525	540	15	Grey shale
540	600	60	Grey slate
600	635	35	Sand. Show of gas 605-610. Water 610-620.
635	645	10	Grey slate
645	647	2	Grey shale
647	675	28	Grey slate
675	690	15	Sand
690	700	10	Grey slate
700	730	30	Sand. Gas at 710. Oil at 720.
730	755	25	Blue slate
755	770	15	Sand
770	780	10	Dark shale
780	797	17	Sand.
797	840	43	Blue slate - sandy
840	850	10	Grey slate
850	865	15	Sand
865	890	25	Dark shale
890	915	25	Grey shale
915	920	5	Sand. Oil, gas & water.
920	945	25	Dark shale
945	990	46	Grey slate
990	996	6	Lime - gray
996	1003	7	Grey shale
1003	1013	10	Grey slate
1013	1030	15	Brown shale
1030	1040	10	Grey sandy shale
1040	1075	35	Sandy grey slate
1075	1090	15	Grey shale
1090	1095	5	Sand
1095	1134	39	Grey shale
1134	1185	51	Blue slate
1185	1172	17	Dark shale
1172	1178	6	Coal
1178	1189	16	Dark shale
1189	1228	48	Blue shale
1228	1285	17	Dark shale & sand shells
1285	1267	12	Grey shale
1267	1271	4	Show of gas
1271	1277	6	Dark shale
1277	1280	3	Coal
1280	1291	11	Dark shale
1291	1310	21	Sand
1310	1320	10	Brown shale
1320	1360	40	Shale - dark
1360	1378	4	Coal - gas.
1378	1415	43	Dark shale
1415	1425	10	Broken sand
1425	1437	12	Dark shale
1437	1478	41	Sand
1478	1504	26	Dark shale & black slate
1504	1508	4	Lime shell
1508	1520	22	Shale - brown & grey
1520	1546	16	Shale - brown
1546	1548	2	Sand shell
1548	1557	9	Shale & coal
1557	1595	38	Sand. Show of gas 1564-66. Water 1568-1584. Top of Pictured Cliff 1587. Gas 1588-92.
1595	1605	10	Shale
1605	1640	35	Sand. Increase in gas 1608-10 & 1628-40.
1640	1660	20	Shale
1660	1676	16	Light shale & sand
1676	1685	9	Dark shale
1685	1698	13	Sand shale breaks
1698	1703	5	Shale. Total Depth.