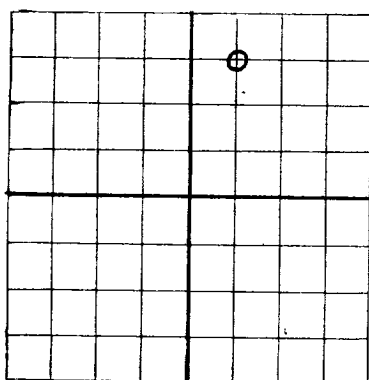


FORM C-105

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



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

**Southern Petroleum Exploration, Inc.** **Roswell, New Mexico**  
Company or Operator Address  
**State C** Well No. **1** in **NW 1/4** of Sec. **32**, T. **16 S**  
R. **31 E** N. M. P. M., **Square Lake** Field, **Eddy** County.  
Well is **660** feet south of the North line and **1980** feet west of the East line of **Sec. 32**  
If State land the oil and gas lease is No. **B 2721**, Assignment No. **Original**  
If patented land the owner is **X**, Address \_\_\_\_\_  
If Government land the permittee is **X**, Address \_\_\_\_\_  
The Lessee is **Southern Petroleum Exploration, Inc.**, Address **Roswell, New Mexico**  
Drilling commenced **April 7** 19 **44** Drilling was completed **June 1** 19 **44**  
Name of drilling contractor **Archer & Jones**, Address **Artesia, New Mexico**  
Elevation above sea level at top of casing **3932** feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_

OIL SANDS OR ZONES

No. 1, from **3301** to **3308** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **3354** to **3363** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from **3368** to **3370** 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 **2640** to **2675** feet. **1500'**  
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		PURPOSE
							FROM	TO	
<b>8-5/8</b>			<b>S.H.</b>	<b>633</b>					<b>To top Salt</b>
<b>7"</b>			<b>New Seamless</b>	<b>2740</b>		<b>Pulled</b>	<b>Shut off</b>	<b>wtr Red ss</b>	
<b>5-1/2</b>	<b>14#</b>			<b>3205</b>					<b>Oil String</b>
<b>2"</b>			<b>Upset</b>	<b>3310</b>			<b>3280</b>	<b>3285</b>	<b>Tubing</b>

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<b>10"</b>	<b>8-5/8</b>	<b>633</b>	<b>50</b>	<b>Halliburton</b>		
<b>6"</b>	<b>5-1/2</b>	<b>3205</b>	<b>100</b>	<b>"</b>		

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
<b>3 1/2"</b>	<b>Regular</b>	<b>Nitroglycerin</b>	<b>110 qts</b>	<b>6/2/44</b>	<b>3313-3375</b>	<b>3370</b>

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 \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from **0** feet to **3405** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

PRODUCTION

Put to producing **June 19th** 19 **44**  
The production of the first **24** hours was **50** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, Be. **?**  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

**J. W. Jones**, Driller \_\_\_\_\_, Driller \_\_\_\_\_  
\_\_\_\_\_, 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** **Roswell, New Mexico** **June 20, 1944**  
Place Date

# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	295		Red Bed
295	380		ss
380	420		Red Bed
420	465		Anhydrite
465	475		Red Bed
475	575		Anhydrite
575	583		Red Shale
583	590		Anhydrite
590	610		Red Shale
610	615		Anhydrite
615	695		Salt
695	715		Anhydrite
715	1250		Salt
1250	1270		Salt & anhydrite
1270	1625		Salt
1625	1920		Anhydrite
1920	2020		Anhy & Ls
2020	2044		Anhy & Red Shale
2044	2240		Anhy & Ls
2240	2250		Anhy & Gr ss
2250	2355		Anhy & Ls
2355	2380		Anhy & Red ss
2380	2390		Anhy & Ls
2390	2420		Anhy & Red ss
2420	2435		Salt
2435	2445		Anhy & Red ss
2445	2640		Anhy & Ls
2640	2675		Red ss
2675	2685		Anhy
2685	2695		Anhy & Ls
2695	2705		Gr-Brn anhydritic Limestone
2705	2717		Anhy
2717	2720		Dk gr-brn Limestone
2720	2725		Anhy
2725	2770		Gr Ls & Anhy
2770	2775		Gr Ls
2775	2810		Gr Ls & Anhy
2810	2840		Anhy & Red Shale
2840	2850		Red ss
2850	2895		Anhy
2895	2905		Gr ss
2905	2930		Anhy
2930	2945		Red ss
2945	2960		Anhy
2960	3000		Anhy & Red ss
3000	3055		Anhy & Red Shale
3055	3100		Gr Ls
3100	3120		Anhy, Gr Ls & Red Shale
3120	3125		Gr ss
3125	3130		Anhy & Gr Ls
3130	3145		Anhy & Gr ss
3145	3150		Anhy, Gr Ls, Red Shale
3150	3180		Lt Gr Limestone
3180	3185		Dk Gr Limestone
3185	3205		Gr & Maroon Ls & Red ss
3205	3225		Dense Hard Gr almost Wh Limestone with Bentonite
3225	3230		Gr Ls, part oolitic, part gypsum, Sand & Anhy
3230	3245		Same as above, plus Red Sand
3245	3248		Dense Wh Ls, some pink
3248	3254		Dense Gr Ls
3254	3262		Dense Wh & Pink Ls
3262	3268		Sand plus Red Sand
3268	3275		Wh & Gr Ls
3275	3298		Wh & Pink Ls
3298	3308		Gr ss
3301	3308		Saturated with oil
3308	3314		Gr ss & Wh Ls
3314	3323		Gr Ls with some sand
3323	3330		Hd Pink Ls
3330	3334		Hd Wh Ls
3334	3354		Hd Wh & Pink Ls, sandy
3354	3359		Same, plus some sand
3359	3363		Wh & Pink Ls plus Gr & Blk ss
3363	3367		Hd Wh & Pink Ls
3367	3376		Hd Wh & Pink Ls, plus 50% Wh ss
3376	3380		Hd Wh & Pink Ls, plus 50% Wh & Red ss
3380	3399		Hd Wh & Pink Ls
3399	3405		Dense Wh Ls
	3405		TD