LAWTON OIL CORPORATION

P. O. BOX 620

MAGNOLIA, ARKANSAS

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ASSISTANT SECRETARY

April 10, 1951

Hearing - May 22

Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

In reply to your request, we are submitting for your information a copy of the Completion Letter on our Lawton-Goldston State A-1 Well located 660 feet North of the South line and 660 feet West of the East line of the SE/4 SE/4 of Section 30, Township 15 South, Range 33 East, Lea County, New Mexico. We believe that this will supply you with all of the information that is at present available. We do not think that we are in position to make any prediction of this being a new field or an extension of the Saunders Field.

If you should desire additional information, please feel free to call upon us, and we will be pleased to furnish it for you.

Yours very truly,

LAWTON OIL CORPORATION

BY John W. Harsh

JWH:eb
encl.

COMPLETION LETTER

Company: Lawton Oil Corporation & W. L. Goldston

Well Name: State A-1

Location: C SE SE, Section 30, T-15S-R33E Lea County, New Mexico

General:

Contractor: Fitzpatrick Drilling Company

Rotary: 0 - 10,619'

Date Spudded: December 13, 1950

Date Completed: March 30, 1951

Casing:

SIZE	DEPTH	AMOUNT CEMENT
13 3/8"	312	300 sacks
9 5/8"	4330	2000 sacks 4% Aquagel & 300 sacks of Neat
5 1/2"	10,619	1500 sacks

Geological Data:

Elevation: 4225' D. F.

SUBSURFACE MARKERS BY SCHLUMBERGER

MARKERS	DEPTH	DATUM
Top Rustler Anhydrite	1450	+2775
Top Yates Sand	2650	+1575
Top San Andres	4271	- 46
Glorieta	5828	-1603
Clearfork	6422	-2197
Tubb Marker	7059	-2834
Top Abo	7780	-3555
Top Wolfcamp	9254	-5029
Top Pennsylvanian	10,212	-5987
Total Depth	10,621	-6396
Water	Not encountered	

State # A-1

Pay Section:	Top of Pay	Depth	Datum
	10,587	10,587	-6362
	Interval:	Character	Thickness
	10,587-10,617	Limestone	30'

Effective Pay:	Depth	Thickness
	10,591-10,602	11'
	10,613 - 10,617	4'
	Total:	15'

Cores: None

Drill Stem Tests: See attached list.

Surveys Made: Schlumberger, Gamma Ray, Microlog, Baroid & Temperature Survey.

Possible Pay Behind Casing:

4998-5008	5185-5200	5790-5799	10,246-10,275
5018-5025	5316-5340	9546-9562	10,286-10,296
5030-5051	5346-5361	9858-9869	10,298-10,310
5070-5100	5374-5382	9880-9890	10,506-10,509
5102-5152	5384-5394	10,144-10,154	10,591-10,602
5157-5168	5398-5406	10,176-10,196	10,612-10,617
5170-5182	5764-5774	10,226-10,241	

Completion Data: Perforated 10,587 to 10,617 with 7 shots per foot. Completion packer set at 10,550 - acidized w/4000 gallons 15% acid, maximum acidising pressure 5000#, minimum 2700# - swabbed twice - well flowed at rate of 20 bbls. oil per hour on 1/2" choke; 450# tubing pressure.

Production Tests: I. P.: From perforations, flowed 14 BO in 1 hour on 1/4" choke and 250# tubing pressure.

C/OR: **Gravity:** 42

REMARKS: There are possibilities for production in the San Andres, providing this formation is treated with acid. Last DST was run at TD 5062 and had no indications of oil or gas, although there was a fair odor, stain and fluorescence in the cuttings. The Microlog indicates good and almost solid

Remarks
Continued:

permeability in the zone from 5102-5152. This zone could very likely make a commercial producer if it were treated with acid. The zones from 10,226 to 10,246; 10,248 to 10,264; and 10,270 to 10,330 all had good shows of oil and gas, fair to good permeability and porosity with intermittent barren streaks of shale and limestone. These zones were not tested, but it is almost positive that these zones would make a commercial producer.

BY: J. A. Belvedere
J. A. Belvedere

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DRILL STEM TESTS RUN ON STATE A-1, LEA COUNTY, NEW MEXICO:

January 14, 1951 D.S.T. #1, 4784-4875, tool open 1 hour 30 minutes. Very weak blow for 5 minutes & died - Recovered 20' very slightly oil cut drilling mud. No pressures.

January 15, 1951 D.S.T. #2, 4874'-5065', tool open 2 hours 45 minutes. Weak blow of air throughout test - Recovered 920' drilling mud; lost 270' fluid. Driller failed to keep hole full.

February 20, 1951 D.S.T. #3, 9523'-9560', Tool open 2 hours 25 minutes. Weak blow for 5 minutes & died for 1 hour 20 minutes, weak blow for last hour - Recovered 1230' gas, 120' oil & gas cut drilling mud. B.H.F.P. 75#, no S.I.P., Hyd. Head 4700#.

February 28, 1951 D.S.T. #4,9870'-9951', Tool open 2 hours. No gas to surface; fair blow throughout - Recovered 1740' gas, 240' heavily oil & gas cut mud, 60' salt water, 10' clean oil. No B.H.F.P. S.I.P. for 10 minutes - 200#.

March 1, 1951 D.S.T. #5, 9866'-9951', Tool open 4 hours. No gas to surface. Good blow air throughout - Recovered 3960' gas, 180' oil & gas cut mud, 450' gas & salt water cut mud. No pressures.

March 8, 1951 D.S.T. #6, 10,130'-10,186', Tool open 4 hours. Gas to surface in 50 minutes; (unloaded) - Est. Recovered 1000' Oil & gas cut W.B., 1636' heavily oil & gas cut mud. B.H.F.P. 1175#, S.I.P. for 10 minutes 3650#.

March 10, 1951 D.S.T.#7. 10,166'-10,212', Tool open 4 hours. Strong air blow immediately; gas to surface in 50 minutes, (well unloaded) Est. Recovered 1080' oil & gas cut W. B., 1890' clean oil, 510' slightly mud cut oil, 90' heavily oil & gas cut mud. IBHFP - 750#, max. BHFP - 1200#, SIP for 10 minutes - 3550#.

March 30, 1951 D.S.T. #8 (Inside pipe), 10,560'-10,619', Tool open 7 hours 5 minutes. Strong air blow immediately, gas to surface in 12 minutes - Recovered 9540' oil in 2" tubing, 810' heavily oil & gas cut drilling mud - (well unloaded 80 stands after test tool was broken off & then unloaded intermittently.) BHFP 1600#, No SIP.