

P. ②

28

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H
S

Ralph Lowe - Wallace #2 produced 522,461
barrels of Devonian oil - plugged 1969.

1

4

• 9

TYPICAL CORE ANALYSIS OF A PAY INTERVAL IN THIS FIELD:						
Press. in millibars		% Porosity		Liquid Intercapillary (% of pore space)		
Horizontal	Vertical			Water		Oil
0.1-528	0.1-268	1.9-8.0		29.4-76.7		4.6-10.0

GRANULAR BEDDING: 100-250 ft.

Wolfcamp and upper Pennsylvanian zones are producing in this field. Oil staining is present in San Andres dolomite and the sandstone that lies between the Woodford shale &&

THIS TYPE: Arcelline

NATURE OF GAS: Gracine H₂S per 100 cf = 250

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NATURE OF PRODUCING ZONE WATER:

Temp. in lbs.		H ₂ S	Ca	Mg	Fe	SO ₄	Cl	Other cations @	pH	"F"
Test hole										
58-522	1975	1922	745	0	1080	2400	465			irrac

WELLBORE WALL PERMEABILITY: 4796 ft. out at 8,000 feet.

TYPE OF ROCK: Water

TYPE LOG
SCALE 1"=200'

11800

11900

12000

-DEVONIAN

FIELD DISCOVERY

23

WOLFCAMP PROD.
DEVONIAN PROD.

ROSWELL GEOLOGICAL SOCIETY SYMPOSIUM

Date prepared by: Hugh N. Frenzel
Addition: Ralph Lowe
Date: Aug. 15, 1960

Field Name: Gladiola
Location: T. 11, 12 S., R. 37, 38 E.
County & State: Lee Co., N. Mex.

DISCOVERY WELL: McAlester Fuel Co. #1 Brownfield. COMPLETION DATE: Sept. 20, 1950
 PAY ZONE: Siluro-Devonian dolomite. Dolomite is a light tan in color and is fine to coarsely crystalline. Porosity types include fracture, vuggy and inter-crystalline. There is over 400 feet of pay section in the field with producing depths from 11,641-12,078 feet. The original oil-water contact in the southern part of the field was approximately -8135 and in the northern part of the field was -8165.

R 37 E

5-14-90 *[Signature]*

GLADIOLA FIELD
LEA COUNTY, NEW MEXICO

**STRUCTURAL CONTOURS ON
TOP OF SILURO-DEVONIAN**

SCALE IN MILES

A horizontal number line with a vertical tick mark at the left end labeled '0' and another vertical tick mark in the middle labeled '1/2'.

HUGH FRENZEL

AUG. 16, 60