

A SYMPOSIUM OF

OIL & GAS FIELDS



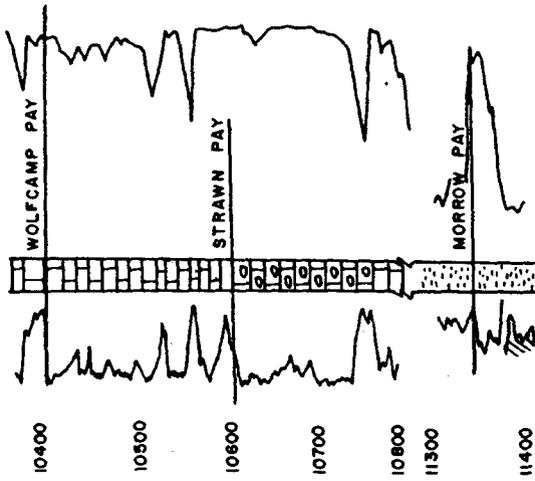
OF

SOUTHEASTERN NEW MEXICO

1967

Samson Exhibit 1
NMOCD Case Nos. 13492/13493
Submitted 8/10/06

TYPE LOG



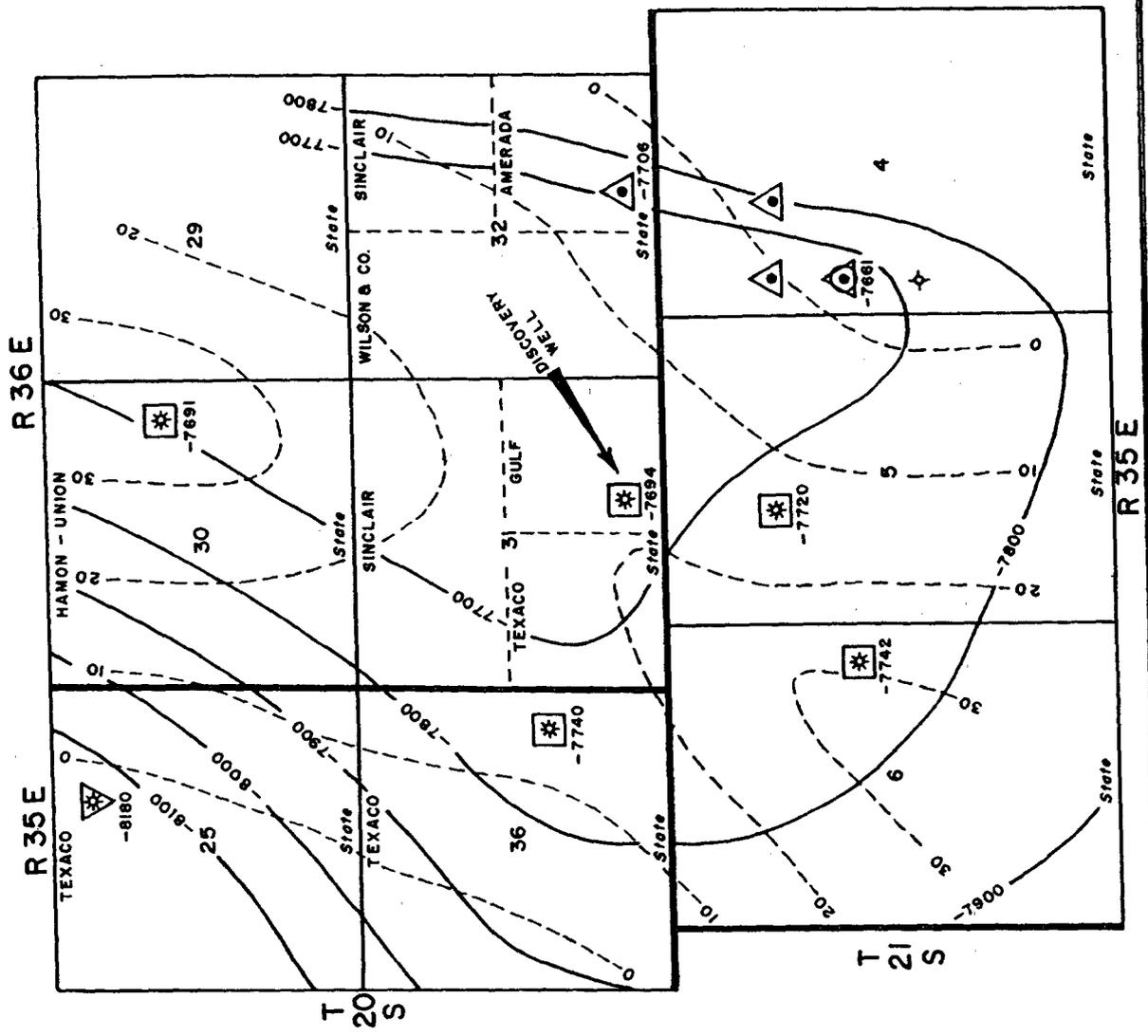
LEGEND

- ▲ WOLF CAMP
- ⊛ STRAWN
- ▽ ATOKA
- ⊞ MORROW
- ISOPACH OF NET PAY

OSUDO FIELD
LEA COUNTY NEW MEXICO
STRUCTURE
TOP MORROW SAND PAY
Contour interval 100'



SYMPOSIUM COMMITTEE SEPT. 1966



ROSWELL GEOLOGICAL SOCIETY SYMPOSIUM

Author: Symposium Committee Field Name: Osudo Morrow
 Affiliation: Roswell Geological Society Location: T-20 & 21-S, R-35 & 36-E
 Date: September 15, 1966 County & State: Lea County, New Mexico

Discovery Well: British American Oil Producing Co. #1 North Wilson Deep Unit
 SW/4 SE/4, Section 31, T-20-S, R-36-E

Exploration Method Leading to Discovery: Seismic

Pay Zone:

Formation Name: Morrow Depth & Datum Discovery Well: 11350 (-7694)
 Lithology Description: Sandstone, coarse, angular, poorly sorted, orthoquartzite

Approximate average pay: 20 gross 20 net Productive Area 3840 acres

Type Trap: Stratigraphic trap. Pay consists of pinchout of several small sand bodies along west side of a strong positive structure

Reservoir Data:

5-10 % Porosity, _____ Md Permeability, 25-40 % Sw, _____ % So
 Oil: 51.2 gravity
 Gas: .620 gravity
 Water: none Na+K, _____ Ca, _____ Mg, _____ Cl, _____ SO₄, _____ CO₂, or HCO₃, _____ Fe
 Specific Gravity _____ Resistivity _____ ohms @ _____ °F
 Initial Field Pressure: 6800 psi @ -7550 datum Reservoir Temp. 165 °F
 Type of Drive: Gas expansion

Normal Completion Practices: Set casing through pay, perforate, and complete natural. Some wells need stimulation.

Type completion: _____ Normal Well Spacing 640 Acres

Deepest Horizon Penetrated & Depth: Devonian 12,670 -9014

Other Producing Formations in Field: Wolfcamp, Strawn, Atoka, Yates

Production Data:

YEAR	TYPE	No. of wells @ yr. end		PRODUCTION OIL IN BARRELS GAS IN M M C F		YEAR	TYPE	No. of wells @ yr. end		PRODUCTION OIL IN BARRELS GAS IN M M C F	
		Prod.	S.I. or Abd.	ANNUAL	CUMULATIVE			Prod.	S.I. or Abd.	ANNUAL	CUMULATIVE
1964	OIL	1		112	112		OIL				
	GAS			6	6		GAS				
1965	OIL	1		16,900	17,012		OIL				
	GAS			1,644	1,650		GAS				
1966	OIL			12,913	29,925		OIL				
	GAS			1,501	3,151		GAS				
	OIL						OIL				
	GAS						GAS				

* Production to July 1, 1966