

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

Carter & Mandel Co.
(Company or Operator)

~~Northeast~~ Hogback State

Well No. 1, in NE 1/4 of N2 1/4, of Sec. 16, T. 50N, R. 16W, NMPM.

Under. Gallup

Pool.....San Juan

..County.

Well is 565' feet from North line and 330' feet from East line

of Section 16 If State Land the Oil and Gas Lease No. is.....

Drilling Commenced.....**May 6**....., 19**59**..... Drilling was Completed.....**June 1**....., 19**59**.....

Name of Drilling Contractor.....Greystone Drilling Co.

Address.....Dallas, Texas.....

Elevation above sea level at Top of Tubing Head.....**5524**..... The information given is to be kept confidential until
..... 19.....

OIL SANDS OR ZONES

No. 1, from 1200 to 1222 No. 4, from _____ to _____

No. 2, from 1236 to 1250 No. 5, from to

No. 3, from.....to..... 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 1000 to 1000 feet.

No. 2. from _____ to _____ feet. _____

No. 3. from.....to.....feet.

No. 4. from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
7 5/8"	24	New	44	Baker			Surface casing
4 1/2"	9.5	New	1406	Baker		88/1200-1222 56/1236-1250	Production casing

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
8 3/4"	7 5/8"	44	10	Pumped		
6 1/2"	4 1/2"	1406	50	Pumped		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Sand-Oil Fractured through 2 1/2" tubing with 38,000 gallons of crude oil and 12,000 pounds of sand. Formation broke down at 1300 p.s.i. and took treatment at 1150 p.s.i.

Injection rate 13.2 barrels per minute. Shut in for 12 hours with 100 p.s.i. pressure.

Result of Production Stimulation.....**Flowed back 508 barrels of load oil during first 24 hours open.**.....

Swabbed 265 barrels of load oil. Installed pump and pumped 75 barrels of load oil

..... Depth Cleaned Out.....

2 barrels per day and decreased further to negligible amounts.

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 0 feet to 1400 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing, 19.

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity.

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in.

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy.	T. Devonian	T. Ojo Alamo.
T. Salt.	T. Silurian	T. Kirtland-Fruitland
B. Salt.	T. Montoya	T. Farmington
T. Yates.	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos. On surface
T. San Andres	T. Granite	T. Dakota
T. Glorieta	T.	T. Morrison
T. Drinkard	T.	T. Penn.
T. Tubbs	T.	T. Gallup 1200
T. Abo	T.	T.
T. Penn.	T.	T.
T. Miss.	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0 to 1200	1200		Mancos shale; Black silty shale with thin fine grained sandstone beds.				
1200	1386	186	Gallup formation; Lt. gray, fine-grained sandstone beds with black silty shale beds.				
1386	1406	20	Black silty Mancos shale.				

STATE OF NEW MEXICO	
OIL CONSERVATION COMMISSION	
AZTEC DISTRICT OFFICE	
NUMBER OF COPIES RECEIVED	
DISTRICT	11
SANTA FE	
FILE	
U.S. S.	
PROD. OFF.	
TRANSPORT R.	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

July 25, 1960

Company or Operator Carter & Mandel Co.

Address 410 Lubbock National Building
Lubbock, Texas

Name A. F. Roberts, Jr. Agent