



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED

FEB 11 1960

WELL RECORD

O. O. O.
ARTESIA, OFFICE

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

Western-Yates

(Company or Operator)

State 648, Tract 15

(Lease)

Well No. 158, in SW 1/4 of NE 1/4, of Sec. 22, T. 19-S, R. 28-E, NMPM.

East Millman (Queen-Grayburg)

Pool,

Eddy

County.

Well is 1980 feet from North line and 1980 feet from East line

of Section 22. If State Land the Oil and Gas Lease No. is 648

Drilling Commenced December 2, 1959. Drilling was Completed January 19, 1960

Name of Drilling Contractor Roach Drilling Company

Address P. O. Box 1097, Artesia, New Mexico

Elevation above sea level at Top of Tubing Head 3398. The information given is to be kept confidential until

-----, 19-----

OIL SANDS OR ZONES

No. 1, from 1125 to 1141 No. 4, from 2020 to 2040

No. 2, from 1695 to 1710 Gas No. 5, from 2564 to 2568

No. 3, from 1878 to 1882 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 165 to 170 feet. TSTM

No. 2, from 1141 to 1153 feet. 6 Bbls. per hour

No. 3, from 2577 to 2584 feet. 10 Bbls. per hour

No. 4, from ----- to ----- feet. -----

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8	48.00	used	246	Tongue Bottom	Pulled	None	Caving hole
10-3/4	32.75	new	440	"		None	Water shut off
8-5/8	24.00	used	1338	"	Pulled	None	Oil & Water shut off
7	17.00	used	2097	"	Pulled	None	Gas & Water shut off
4-1/2	11.60	new	2594	Float		2548'-68'	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12	10-3/4	440	75 Regular	Pump & Plug		
10	8-5/8	1338		Pump & Plug		12 sacks
8	7	2097		Pump & Plug		20 & re-mud with 12
6	4-1/2	2594	328 Incon	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Perf. 2564'-68'. Acidize with 7000 gals., NE. 15% H Cl in three stages.

Perf. 2548'-55. Acidize with 1000 gals., NE. 15% H Cl in one stage.

Perf. 2020'-40'. Sand-oil frac with 250 gals. MCA & 40000 lbs. sand & 16000 gals. oil.

Perf. 1878'-1882'. Sand-oil frac with 250 gals. MCA & 31500 lbs. sand & 16000 gals. oil.

Result of Production Stimulation San Andres perforations from 2548'-2568' resulted in non-commercial, water free oil production. Queen-Grayburg perforations from 1878'-2040' resulted in 178.2 BOPD plus 19.8 BWPD on a 1/2" choke. Depth Cleaned Out 2050

REPORT 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 2597 feet, and from 0 feet to 0 feet.
Cable tools were used from 0 feet to 2597 feet, and from 0 feet to 0 feet.

PRODUCTION

Put to Producing February 10, 1960

OIL WELL: The production during the first 24 hours was 198 barrels of liquid of which 90 % was oil; 0 % was emulsion; 10 % water; and 0 % was sediment. A.P.I. Gravity 38

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.	400	T. Devonian	
T. Salt.	440	T. Silurian	
B. Salt.	515	T. Montoya	
T. Yates		T. Simpson	
T. 7 Rivers	1100	T. McKee	
T. Queen	1614	T. Ellenburger	
T. Grayburg	1948	T. Gr. Wash	
T. San Andres	2343	T. Granite	
T. Glorieta		T.	
T. Drinkard		T.	
T. Tubbs		T.	
T. Abo		T.	
T. Penn.		T.	
T. Miss.		T.	
T. Ojo Alamo			
T. Kirtland-Fruitland			
T. Farmington			
T. Pictured Cliffs			
T. Menefee			
T. Point Lookout			
T. Mancos			
T. Dakota			
T. Morrison			
T. Penn.			
T.			
T.			
T.			
T.			

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	355	355	Red Bed & Sand				
355	400	45	Red Shale				
400	440	40	Anhydrite				
440	515	75	Salt				
515	1110	595	Anhydrite				
1110	1300	190	Dolomite & Gray Sand				
1300	1600	300	Pink Dolomite				
1600	1650	50	Red & Gray Sand				
1650	1670	20	Dolomite				
1670	1710	40	Gray Sand				
1710	1950	240	Dolomite & Gray Sand				
1950	2050	100	Dolomite				
2050	2210	160	Gray Sand.				
2210	2260	50	Dolomite				
2260	2588	328	Anhydritic Dolomite				
TOTAL 2588			(Corrected to 2597 by Radioactivity log.)				

OIL CONSERVATION COMMISSION
ARTESIA DISTRICT OFFICE
No. Copies Received 6
DISTRIBUTION
OPERATOR
SANTA FE
PROBATION OFFICE
STATE LAND
U. S. E. S.
TRANSPORT
FILE
BUREAU OF MINES

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.

Company or Operator Western Yates
Name M. E. Spiller
Address P. O. Box 427
Position or Title General Manager
Date February 10, 1960