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NEW MEXICO OIL CONSERVATION COMMISSION

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

International-Yates

(Company or Operator)

Malco State

(Lease)

Well No. 5, in NW 1/4 of NW 1/4, of Sec. 23, T. 19 S., R. 28 E., NMPM.

East Millman Queen Grayburg

Pool, Eddy

County.

Well is 560 feet from North line and 660 feet from West line

of Section 23. If State Land the Oil and Gas Lease No. is E.5136

Drilling Commenced October 31, 1963. Drilling was Completed December 4, 1963

Name of Drilling Contractor Harvey Yates

Address Artesia, New Mexico

RECEIVED

Elevation above sea level at Top of Tubing Head 3420'. The information given is not confidential until

Not confidential, 19

OIL SANDS OR ZONES

O. C. C.
ARTESIA, OFFICE

No. 1, from 1129 to 1150 No. 4, from 1788 to 1802

No. 2, from 1754 to 1764 No. 5, from 1818 to 1834

No. 3, from 1769 to 1776 No. 6, from 1984 to 1998

No. 7 from 2087 to 2094

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 180 to 215 feet. 5 Bailers/Hr. @ 200'

No. 2, from 310 to 320 feet.

No. 3, from 1155 to 1172 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
10 3/4"	32.75	Used	401'	Guide	--	--	Surface
8 5/8"	24.00	Used	1255'	Guide	1159'	--	Water
4 1/2"	11.60	New	2288'	Float	--	1754'-2094'	Oil

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 1/2"	10 3/4"	401'	100	Pump & Plug	Water	--
10"	8 5/8"	1254'	10	Pump & Plug	Water	--
8"	4 1/2"	2294'	300	Pump & Plug	Water	--

RECORD OF PRODUCTION AND STIMULATION

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

Acidized and fractured as follows: 2087-94, 500 gal. acid, 5000 lbs. sand, 388 bbls. fresh slick water; 1984-96, 500 gal. acid, 5000 lbs. sand, 274 bbls. fresh slick water; 1821-32, 1791-99, 1769-76, and 1754-64, communicated, not treated.

Result of Production Stimulation Pumped 6 bbls. oil and 4 bbls. water in 24 hours.

Depth Cleaned Out 2281'

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.....feet to.....feet, and from.....feet to.....feet.
Cable tools were used from.....0.....feet to.....2295.....feet, and from.....feet to.....feet.

PRODUCTION

Put to Producing.....February 15....., 1964.....

OIL WELL: The production during the first 24 hours was.....10.....barrels of liquid of which.....60% was
was oil.....% was stimulation.....40% water; and.....% was sediment. A.P.I.
gravity.....37°.....

GAS WELL: The production during the first 24 hours was.....M.C.F. plus.....barrels of
Liquid Hydrocarbon Gas in Standard.....lbs.
Length of Test.....

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.....	395		T. Silurian.....		T. Kirtland-Fruitland.....
T. Salt.....	540		T. Montoya.....		T. Farmington.....
T. Netro.....	--		T. Simson.....		T. Pictured Cliffs.....
T. R.....	1121		T. McKee.....		T. Menefee.....
T. G.....	1596		T. Ellenburger.....		T. Point Lookout.....
T. S.....	1919		T. St. Wash.....		T. Mancos.....
T. S.....			T. Granite.....		T. Dakota.....
T. G.....			T.		T. Morrison.....
T. D.....			T.		T. Penn.....
T.			T.		T.
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T.			T.		T.

FORMATION RECORD

From		Formation	From	To	Thickness in Feet	Formation
0	25	25 Sand & Caliche	1596	1635	39	Gray Sand
25	180	155 Sand & Gravel	1635	1655	20	Dolo
180	215	35 Fractured Limestone	1655	1694	39	Gray Sand
215	240	25 Gray Marl	1694	1715	19	Dolo
240	310	70 Red Shale & Anhydrite	1715	1758	43	Gray Sand
310	320	10 Water Sand	1758	1786	28	Dolo
320	395	75 Red Shale & Anhydrite	1786	1828	42	Gray Sand
395	540	145 Salt	1828	1919	91	Dolo & Sand
540	908	368 Anhydrite	1919	2010	91	Dolo
908	1056	148 Anhydrite, Red Shale & thin stringers dolo.	2010	2033	23	Gray Sand
1056	1121	65 Sand & Anhydrite	2033	2105	72	Dolo
1121	1157	36 Dolo	2105	2130	25	Gray Sand
1157	1175	18 Anhydrite	2130	2155	25	Dolo & Anhydrite
1175	1465	290 Dolo (40% Pink)	2155	2180	25	Gray Sand
1465	1480	15 Sand	2180	2295	115	Dolo & Sand
1480	1596	116 Dolo & Anhydrite				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information furnished herein is a complete and correct record of the well and all work done on it so far as can be determined from available records.

C. R. Appledorn 2-19-64
(Date)

Company or Operator.....International-Yates.....Address.....P. O. Box 427, Artesia, New Mexico
Name.....C. R. Appledorn.....Position.....Title.....District Engineer