

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

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WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLYInternational - Yates
(Company or Operator)State 647
(Lease)

Well No. 46A, in NE 1/4 of NE 1/4, of Sec. 12, T. 17 N., R. 18 E., NMPM.

Empire Abo

Pool,

Eddy

County.

Well is 990 feet from North line and 1900 feet from East line

of Section 12. If State Land the Oil and Gas Lease No. is NM 647.

Drilling Commenced 6-4, 1964. Drilling was Completed 6-23, 1964.

Name of Drilling Contractor B. L. McFarland, Inc.

Address Midland, Texas

Elevation above sea level at Top of Tubing Head 1695'. The information given is to be kept confidential until not confidential, 19.

OIL SANDS OR ZONES

No. 1, from 1895 to 1905	No. 4, from 5918 to 5949
No. 2, from 2456 to 2516	No. 5, from 6053 to 6059
No. 3, from 5900 to 5906	No. 6, from 6063 to 6069

IMPORTANT WATER SANDS

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

No. 1, from None to	feet.
No. 2, from	feet.
No. 3, from	feet.
No. 4, from	feet.

RECEIVED

AUG 14 1964

D. C. C.
ARTESIA, OFFICE

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8" OD	24.6 lb.	New	995'	Guide	---	-----	Surface
4 1/2" OD	11.6 lb.	New	6102'	Guide-Insert	---	*	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8 5/8" OD	1004'	175 sk.	Pump & Plug	-----	-----
7 7/8"	4 1/2" OD	6146'	820 sk.	Pump & Plug	-----	-----

RECORD OF PRODUCTION AND STIMULATION

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

*Perforated 5903-5908, 5914-5936, 5942-5948, 5995-6002, 6053-6061, 6067-6074, w/2 js/Mt.

Acidized down 2" tubing w/5000 gal. 15% NE - LST Acid using 66 ball sealers. Swabbed back lead. Fractured down 4 1/2" casing w/1000 gal. of acid, 60,000 lbs. sand, 600 lbs. glass beads, and 400 lbs. TLC, in three stages in 1451 bbls. Lease Crude Oil.

Result of Production Stimulation Pumped 27 bbls. oil & 4 bbls. water

Depth Cleaned Out 6114'

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 6140 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing August 9, 1964

OIL WELL: The production during the first 24 hours was 31 barrels of liquid of which 87.1 % was
was oil; % was emulsion; 12.9 % water; and % was sediment. A.P.I.
Gravity. 43°

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	1200		T. Ellenburger		T. Point Lookout
T. Grayburg	1618		T. Gr. Wash		T. Mancos
T. San Andres	1928		T. Granite		T. Dakota
T. Glorieta	3360		T.		T. Morrison
T. Drinkard	4932		T.		T. Penn
T. Tubbs			T.		T.
T. Abo	5612		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	166	166	Lime, Sand, Red Shale	4295	4530	235	Dolomite
166	367	201	Anhydrite	4530	4650	120	Dolomite & Chert
367	470	103	Red Sand & Anhydrite	4650	4932	282	Dolomite
470	623	153	Anhydrite, Red Shale,	4932	5590	658	Dolomite & Sand
623	1200	577	Dolomite & Anhydrite	5590	5846	256	Dolomite & Green Shale
1200	1233	33	Red Sand	5846	6140	302	Dolomite
1233	1618	385	Anhydrite, Sand, & Red Shale				
1618	1890	272	Dolomite & Sand				
1890	1928	38	Sand & Dolomite				
1928	2690	762	Dolomite				
2690	3360	670	Dolomite & Chert				
3360	3405	45	Sand & Dolomite				
3405	3800	395	Dolomite				
3800	3950	150	Dolomite & Chert				
3950	4150	200	Dolomite				
4150	4160	10	Sand				
4160	4210	50	Dolomite				
4210	4223	13	Sand				
4223	4280	57	Dolomite				
4280	4295	15	Sand				

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 International - Yates
Name C. R. Appledorn

August 11, 1964
Address P. O. Box 427, Artesia, New Mexico
Position or Title District Engineer