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NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease State ☐ Fee ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Routh NU Deep Com
9. Well No. 2
10. Field and Pool, or Wildcat Boyd Morrow
12. County Eddy

TYPE OF WELL OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER
TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER
Name of Operator Yates Petroleum Corporation
Address of Operator 207 South 4th St., Artesia, NM 88210
Location of Well SECTION B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM

Date Spudded 1-13-81	15. Date T.D. Reached 2-9-81	17. Date Compl. (Ready to Prod.) 3-2-81	16. Elevations (DF, RKB, RT, GR, etc.) 3649' GR	19. Elev. Casinghead
Total Depth 9900'	21. Plug Back T.D. 7194' 9366'	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-9900'	Cable Tools
Producing Interval(s), of this completion - Top, Bottom, Name 8810-8878' Morrow				25. Was Directional Survey Made No
Type Electric and Other Logs Run CNL/FDC; CLL				27. Was Well Cored No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.50#	440'	17-1/2"	450	
8-5/8"	24#	921'	12-1/4"	750	
5-1/2"	17#	9397'	7-7/8"	1060	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-7/8"	8785'
						8785'

Perforation Record (Interval, size and number)

8864-78' w/17 .50" holes
8810-23' w/52 .50" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8864-78'	w/2000 g. 7½ MS acid & Nitrogen & ball sealers

First Production 3-2-81		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) SIWOPLC	
Test 3-2-81	Hours Tested 4	Choke Size 1/2"	Prod'n. Per Test Period →	Oil - Bbl. 242	Gas - MCF 1450	Water - Bbl.
Casing Press. 230#	Casing Pressure Packer	Calculated 24-Hour Rate →	Oil - PBL.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
Disposition of Gas (Sold, used for fuel, vented, etc.) Vented - will be sold					Test Witnessed By Harvey Apple	

List of Attachments

Deviation Survey, DST's

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Marlene Goodlett TITLE Engineering Secretary DATE 3-6-81

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in triplicate except on state land, where six copies are required, (see Rule 1105).

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
Lwr							
T. Anhy	T. Canyon	7434		T. Ojo Alamo	T. Penn. "B"		
T. Salt	T. Strawn	8091		T. Kirtland-Fruitland	T. Penn. "C"		
B. Salt	T. Atoka	8448		T. Pictured Cliffs	T. Penn. "D"		
T. Yates	T. Miss Ls	9100		T. Cliff House	T. Leadville		
T. 7 Rivers	T. Devonian	9570		T. Menefee	T. Madison		
T. Queen	T. Silurian			T. Point Lookout	T. Elbert		
T. Grayburg	T. Montoya			T. Mancos	T. McCracken		
T. San Andres	T. Simpson			T. Gallup	T. Ignacio Qtzite		
T. Glorieta	T. McKee			T. Base Greenhorn	T. Granite		
T. Paddock	T. Ellenburger			T. Dakota			
T. Winebry	T. Gr. Wash			T. Morrison			
T. Tubb	T. Granite			T. Todilto			
T. Drinkard	T. Delaware Sand			T. Entrada			
T. Abo	T. Bone Springs			T. Wingate			
T. Wolfcamp Ls	T. Morrow Cl	8725		T. Chinle			
T. Penn.	T. Chester	8959		T. Permian			
T. Cisco (Bough C)	T. Woodford	9561		T. Penn. "A"			

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....
 No. 5, 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.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....
 No. 4, from.....to.....feet.....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	440	440	Surface & Red Beds				
440	1525	1085	Anhydrite				
1525	2125	600	Dolomite				
2125	3165	1040	Anhydrite & Lime				
3165	3635	470	Dolomite				
3635	4230	595	Anhydrite & Lime				
4230	4630	400	Dolomite & Shale				
4630	9900	5270	Lime & Shale				

DRILL STEM TESTS

Yates Petroleum Corporation
Routh NU Deep Com #2 -
660' FNL & 1980' FEL, Sec. 14-19S-24E
Eddy County, New Mexico

DST #1 - 4940-5238': TO 30", SI 90", TO 60", SI 120". Tool opened w/weak blow, increasing to fair blow. No GTS. Reopened w/fair blow and died. No GTS. Recovery: 1800' sulphur water. Sampler: 2300 cc sulphur water and .2 cfg at 200 psi. Pressures: HP 2469-2424; IFP 172-510; ISIP 2171; FFP 481-904; FSIP 2115. BHT: 98 degrees F.

DST #2 - 9545-9598': TO 30"; SI 60"; TO 60"; SI 120". Tool opened w/weak blow, no GTS. Reopened tool w/weak blow, no GTS. Recovery: 10' drilling mud. Sampler: 4 psi, 2200 cc drilling fluid. BHT: 165 degrees F. Pressures: HP 4644-4669; IFP 74-74; ISIP 211; FFP 74-74; FSIP 562.

DST #3 - 9604-9900': TO 180", SI 90". Tool opened w/good blow on 1/4" choke, 5 min in to flow increasing to 4 psi in 30 min. No GTS. Recovery: 8900' formation water. Sampler: 50# 2400 cc formation water, no trace of oil. BHT: 170 degrees F. Pressures: HP 4870-4857; IFP 600 psi; ISIP 4168; FFP 4106. Three hour opening. Died 35 min into 1st flow period.