

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
LG 7355	

1a. TYPE OF WELL		OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Unit Agreement Name	
b. TYPE OF COMPLETION		NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		8. Farm or Lease Name Hummingbird ADM State	
2. Name of Operator Yates Petroleum Corporation				9. Well No. 1	
3. Address of Operator 207 South 4th St., Artesia, NM 88210				10. Field and Pool, or Wildcat NE Lovington Penn	
4. Location of Well				12. County Lea	
UNIT LETTER <u>EH</u> LOCATED 2086 FEET FROM THE North LINE AND 554 FEET FROM East LINE OF SEC. 8 TWP. 16S RGE. 37E NMPM					
15. Date Spudded 11-28-85	16. Date T.D. Reached 12-26-85	17. Date Compl. (Ready to Prod.) 1-10-86	18. Elevations (DF, RKB, RT, GR, etc.) 3832' GR	19. Elev. Casinghead	
20. Total Depth 11830'	21. Plug Back T.D. 11725'	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools ☒ Cable Tools ☐	25. Was Directional Survey Made No	
24. Producing Interval(s), of this completion - Top, Bottom, Name 11524-11566' Strawn				27. Was Well Cored No	
25. Type Electric and Other Logs Run CNL/FDC; DLL					
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	450'	17-1/2"	450 SX	
8-5/8"	32#	4486'	11"	1700 SX	
5-1/2"	17 & 20#	11830'	7-7/8"	1100 SX	
29. LINER RECORD				30. TUBING RECORD	
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE
					2-7/8"
					DEPTH SET
					11570'
					PACKER SET
					11570'
31. Perforation Record (Interval, size and number) 11524-566' w/12 .42" Holes				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
				DEPTH INTERVAL	
				AMOUNT AND KIND MATERIAL USED	
				11524-566' w/3000g. 15% NEFE acid.	
33. PRODUCTION					
Date First Production 1-4-86		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing
Date of Test 1-10-86	Hours Tested 24	Choke Size 16/64"	Prod'n. For Test Period 494	Oil - Bbl. 494	Gas - MCF 744
				Water - Bbl. -0-	Gas - Oil Ratio 1506/1
Flow Tubing Press. 940#	Casing Pressure Pkr	Calculated 24-Hour Rate 494	Oil - Bbl. 494	Gas - MCF 744	Water - Bbl. -0-
					Oil Gravity - API (Corr.) 44°
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold					Test Witnessed By John Dehler
35. List of Attachments Deviation Survey, DST's, Logs					
36. 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 <u>Yates Petroleum Corporation</u>			TITLE <u>Production Supervisor</u>		DATE <u>1-13-86</u>

INSTRUCTIONS

This form is to be filled with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity 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. This form is to be filled in quadruplicate 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			
Redbeds	786	Cisco-					
T. Anhy-Rustler	2150	T. Canyon -Shale	10760	T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn	11334	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	11692	T. Pictured Cliffs		T. Penn. "D"	
T. Yates	3344	T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers	3650	T. Devonian		T. Menefee		T. Madison	
T. Queen	4270	T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres	5126	T. Simpson		T. Gallup		T. Ignacio Qtzite	
T. Glorieta	6464	T. McKee		Base Greenhorn		T. Granite	
T. Paddock	6555	T. Ellenburger		T. Dakota		T.	
T. Blinberry		T. Gr. Wash		T. Morrison		T.	
T. Tubb	7796	T. Granite		T. Todilto		T.	
T. Drinkard	8045	T. Delaware Sand		T. Entrada		T.	
T. Abo	8535	T. Bone Springs		T. Wingate		T.	
T. Wolfcamp LM	9841	T. XX Marker	10112	T. Chinle		T.	
T. Penn.		T. Lower Strawn	11489	T. Permian		T.	
T. Cisco (Bough C)	10558	T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....	No. 4, from.....to.....
No. 2, from.....to.....	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.....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	294	294	Surface Shales, Redbeds	8470	9600	1130	Dolo, Shale
294	1831	1537	Redbeds	9600	9730	130	Dolo, Shale, Lime
1831	2615	784	Redbeds, Anhydrite	9730	10380	650	Dolo, Lime, Cht
2615	3582	967	Anhydrite, Salt	10380	10730	350	Lm, Cht, Shale, Dolo
3582	4500	918	Anhydrite	10730	11360	630	Shale, Lime, Cht, Dolo
4500	4760	260	Anhy, Sd, Dolo	11360	11710	350	Lime, Shale
4760	5140	380	Anhy, Dolo, Sd, Lm	11710	11830	120	Cht, Sd, Lm, Sh, Dolo
5140	6040	900	Dolomite				
6040	6480	440	Dolo, Cht				
6480	6740	260	Dolo, Lm, Sd				
6740	7180	440	Dolo, Cht, Sd				
7180	7840	660	Dolomite				
7840	8120	280	Dolo, Sd				
8120	8470	350	Dolomite				

YATES PETROLEUM CORPORATION

DRILL STEM TESTS

Hummingbird "ADM" State #1
Unit C, 2086 FNL & 554 FEL
Sec. 8-T16S-R37E
Lea County, NM

DST #1 10688-10909' Canyon (221'): TO 10"; SI 60"; TO 60"; SI 180". Opened with strong blow, 18 psi. Increased to 29 psi in 5 minutes. Had GTS in 15 minutes, estimated 161.7 MCFPD. Re-opened tool with strong blow, 12 psi. In 6 minutes pressure increased to 52 psi (est 76.4 MCFGPD); RECOVERY: 800' oil and gas cut mud. SAMPLER: At 1260 psi, 8.2 cfg and 800 cc oil. 44.9° API at 60°F. GOR 1629.7 and 200 cc mud. PRESSURES:

	<u>TOP</u>	<u>BOTTOM</u>
IHP	4990	4987
IFP	273-337	295-345
ISIP	4162	4159
FFP	337-707	357-709
FSIP	3907	3895
FHP	4964	4974

DST #2 11445-11540' Strawn: TO 10"; SI 60"; TO 60"; SI 180". Had GTS in 15 minutes. Oil to surface on FSIP, 30" (condensate), 44-45° API at 60°, GOR 1610. RECOVERY: 2775' oil (approx 38.4 bbls), 510' drilling mud. SAMPLER: at 800 psig, 5.87 cfg, 580 cc oil BHT: 172 degrees. Choke: .94 or 15/16". PRESSURES:

	<u>TOP</u>	<u>BOTTOM</u>
IHP	5530	5536
IFP	371-460	362-478
ISIP	3742	3745
FFP	422-1200	420-1199
FSIP	3742	3745
FHP	5530	5536

RECEIVED

JAN 14 1986

C. D.
HOBBS OFFICE