

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	

3a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name  
George Etz

9. Well No.  
6

10. Field and Pool, or Wildcat  
Jalmat (Yates-7 Rivers)

13. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER

14. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER

1. Name of Operator  
HCW Exploration, Inc.

2. Address of Operator  
P.O. Box 10585, Midland, TX 79702

3. Location of Well  
UNIT LETTER P LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROM

11. County  
Lea

12. Township, Range, Section  
TWP. 23S RGE. 36E SEC. 27

15. Date Spudded 2-11-86 16. Date T.D. Reached 2-16-86 17. Date Compl. (Ready to Prod.) 2-27-86 18. Elevations (DF, RKB, RT, GN, etc.) 3369.3' GR 19. Elev. Casinghead 3369.3' GR

20. Total Depth 3600' 21. Plug Back T.D. 3547' 22. If Multiple Compl., How Many          23. Intervals Drilled By ALL Rotary Tools Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name  
3164' - 3429' Yates/Seven Rivers

25. Was Directional Survey Made  
No

26. Type Electric and Other Logs Run  
Dual Spaced Neutron w/GR and CCL

27. Was Well Cored  
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
8-5/8"	24#	447'	12-1/4"	480 sx Class C	None
4-1/2"	11.6#	3600'	7-7/8"	620 sx Howco LW + 380 sx Class C 50/50 Pozmix A	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	3140	None

31. Perforation Zones (Interval, size and number)  
3164,66,68,70,72,74,76,78,80,82,84,86,98,3200',  
02,04,06,08,10,12,14,16,36,38,40,42,44,46,48,  
50,52,54,56,61,66,68,70,75,77,79,86,88,90,3304,  
06,08,18,54,56,58,64,66,68,77,3429'  
(55 holes 0.42" diameter)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3164 - 3429'	A/5500 gals 7 1/2% MSR-100+N2 F/40,000 gals YF3PSD w/85,000# 20/40 + 50,000# 10/20 + 500 scf bb1 N2

33. PRODUCTION

Date First Production 2-27-86 Production Method (Flowing, gas lift, pumping -- Size and type pump) Flowing Well Status (Prod. or Shut-in) Shut In

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
3-4-86	24	22/64"		52	192	0	3692

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity -- API (Corr.)
75	200		52	192	0	31

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Vented during test, trying to obtain gas contract

Test Witnessed By Guy Greer

35. List of Attachments  
C-104, Dual Spaced Neutron w/GR & CCL, Inclination Report

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 Steve A Douglas TITLE Vice-President, Operations DATE 3-5-86  
Steve A. Douglas

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 25 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and geophysical 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 26 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1135.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penna. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland Fruitland _____	T. Penna. "C" _____
Q Salt _____ 3000'	T. Atoka _____	T. Pictured Cliffs _____	T. Penna. "D" _____
T. Yates _____ 3162'	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 3378'	T. Devonian _____	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 Quizte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinney _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilte _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penna. _____	T. _____	T. Pennsion _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penna. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 3162' _____ to _____ 3600' _____	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	1185	1185	Red beds				
1185	3162	1977	Salt, anhydrite & dolomite				
3162	3600	438	Sand & dolomite				