

STATE OF NEW MEXICO
MINERAL AND MINERALS DEPARTMENT

Form O-105
Revised 10-1-78

NO. OF COPIES RETURNED	
CONTRIBUTION	
SANTATEL	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

RECEIVED

OIL CO.

SANTA

WELL COMPLETION

Examiner CATNACH

Case No. 8894

EXHIBIT NO. 5

LOG

5a. Indicate Type of Lease
State ☐ Free ☒
5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Term of Lease Name

George Etz

9. Well No.

6

10. Field and Pool, or Wildcat

Jalmit (Yates-7 Rivers

12. County

Lea

1. TYPE OF WELL
Oil, Gas, or Other Division
Oil Well ☒ Gas Well ☐ Dry ☐ OTHER

2. TYPE OF COMPLETION
New Well ☒ Recom. Well ☐ Deepen ☐ Plug & Abandon ☐ Diff. Reconn. ☐ OTHER

3. Name of Operator

HCW Exploration, Inc.

4. Principal Operator

P.O. Box 10585, Midland, TX 79702

5. Location of Well

UNIT LETTER P LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROM

East LINE OF SEC. 27 TWP. 23S RGE. 36E NADEN

15. Date Spudded 2-11-86 16. Date B.D. Reached 2-16-86 17. Date Compl. (Ready to Prod.) 2-27-86 18. Elevations (H.F., R.A., 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 24. Rotary Tools Cable Tools

24. (Reducing Intervals), of this completion - Top, Bottom, Name

3164' - 3429' Yates/Seven Rivers

No

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

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 +	None
				380 sx Class C 50/50	
				Pozmix A	

LINER RECORD				TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	3140	None

31. ACID, GROUT, FRACTURE, CEMENT SQUEEZE, ETC.		
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
3164 - 3429'	A/5500 gals. 71% MSR-100+N2	
	F/40,000 gals. YF3PSD w/85,000	
	20/40 + 50,000 10/20 + 500 s	
	1bbt N2	

32. PRODUCTION							
Date First Production		Production Method (if known, gas lift, pumping - size and type pump)				Well Status (On, Off, Shut-in)	
2-27-86		Flowing				Shut In	
Date of Test	Hours Tested	Casing Size	Flow Rate (Test Period)	Oil - BBL	Gas - MCF	Water - PGL	Loss - GFL Bath
3-4-86	24	22/64"		52	192	0	3692
Flowing Pressure	Testing Pressure	Temperature (24-Hour)	Oil - BBL	Gas - MCF	Water - PGL	Oil Gravity - API (Comp.)	
75	200		52	192	0	31	

33. Description of Gas (if any, use 1" fuel, vented, etc.)

Vented during test, trying to obtain gas contract

Guy Greer

34. List of Attachments

(-104, Dual Spaced Neutron w/GR & CCL, Inclination Report

35. 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

DEPARTMENT OF INVESTIGATION
OIL CORPORATION CASE NO. 104

How EXHIBIT NO. *5*

CASE NO. *8894*

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It is to be completed by one copy of which shall be retained in the file of the well and a summary of all special tests conducted, including all formation tests. Also by this report should be mentioned together, in the case of directionally drilled wells, true vertical depth shall also be reported. For multiple casing bottoms, from 1 to through 14 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where duplicates are required, see 10-1155.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland Freeland _____	T. Penn. "C" _____
T. Salt _____ 3000'	T. Archa _____	T. Pictured Cliffs _____	T. Penn. "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 Quartz _____
T. Glorietta _____	T. McKee _____	T. Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blue Dry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Toddlite _____	T. _____
T. Dryland _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Green (Bough C) _____	T. _____	T. Penn. "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 in flow and elevation to which water rose in hole.

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