

N.M.O.C.D. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☐	DRY ☒	Other _____																		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other _____																
2. NAME OF OPERATOR						7. UNIT AGREEMENT NAME																	
Petroleum Exploration & Development Funds, Inc.						Cockrell-Federal																	
3. ADDRESS OF OPERATOR						9. WELL NO.																	
P. O. Drawer 3547, Midland, TX 79702						1																	
4. LOCATION OF WELL (Report location clearly and in accordance with any State Regulations)						10. FIELD AND POOL, OR WILDCAT																	
At surface 660' FNL & 1980' FWL						Undesignated-Morrow																	
At top prod. interval reported below Same						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA																	
At total depth Same						Sec. 14-T14S-R30E																	
14. PERMIT NO.				DATE ISSUED		12. COUNTY OR PARISH		13. STATE															
				7-31-79		Chaves		N.M.															
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (OF. R&B, RT. GR. ETC.)*		19. ELEV. CASINGHEAD															
1-6-80		2-29-80		3-27-80 P & A		3921' KB- Reference pt.		3908'															
20. TOTAL DEPTH, MD & TVD		21. PLUG. BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		ROTARY TOOLS		CABLE TOOLS													
11,142		-----		-----		-----		0-11,142		-----													
24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*										25. WAS DIRECTIONAL SURVEY MADE													
None										No													
26. TYPE ELECTRIC AND OTHER LOGS RUN										27. WAS WELL CORED													
DLL/CDL/CNS/GR										No													
28. CASING RECORD (Report all strings set in well)																							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED													
13-3/8		48		455 KB		17-1/2"		450 Sx 'C' 2% CaCl		None													
8-5/8		24 & 32		2526 KB		11"		550 Sx Lt., 400 Sx 'C' w/2% CaCl		None													
(Both strings circled to surface)																							
29. LINER RECORD						30. TUBING RECORD																	
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)									
None										None													
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																	
2404'-2410' KB 12 holes 1/2" dia.						DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED											
						2404'-2410'						1200 gal. 15% Acid- 10,000 gal. Gel 3% Acid w/11,000# 20-40											
33.* None												PRODUCTION											
DATE FIRST PRODUCTION				PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)								WELL STATUS (Producing or shut-in)											
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO									
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)											
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY													
35. LIST OF ATTACHMENTS																							
DLL/CNL/CNS/GR, Sample Log 8000'-11,142', Inc. Svy.																							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																							
SIGNED <u>Don Ford</u>				TITLE <u>Mgr., Drilling Operations</u>				DATE <u>3-28-80</u>															

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Chester	10,790	10,840	DST - 3000' wtr cushion, 5 min. IF 1308 p.s.i., 60 min. ISI - 4062 p.s.i., 150 min. FF 1356 p.s.i. to 1411 p.s.i., 300 min. FSI 4557. Rec. 2750' gas cut wtr blkt. 250' slightly cond. & w.b. cut mud.
Morrow	10,630	10,680	DST - 3000' wtr cushion, 10 min. IF + 377 p.s.i., 60 min. ISI - 1685 p.s.i., 60 min. FF- 1377 p.s.i., 120 min. FSI 1616 p.s.i. Rec. 2500' WB, 400' slightly gas cut WB, 150' mud.
Queen	2,404	2,410	Perfs - Did not recover all Frac load.

38.	CHROLOGIC MARKERS	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
		San Andres	3049'	Same
		Abo	6670'	"
		Wolfcamp	8064'	"
		Cisco	8760'	"
		Strawn	9548'	"
		Atoka	10,266'	"
		Morrow	10,526'	"
		Chester	10,802'	"
		Miss.	11,018'	"

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OIL CONSERVATION DIV.

FIELD _____ COUNTY Chaves OCC NUMBER _____
 OPERATOR Petroleum Exploration & Development ARBELISS P. O. Drawer 3547, Midland, TX. 797
Funds, Inc.
 LEASE NAME & WELL NUMBER Cockrell-Federal #1
 SURVEY 660' FNL & 1980' FWL Sec. 14, T-14-S, R-30-E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
214	0
950	1/4
1,656	1/2
2,105	3/4
2,694	1/2
2,992	1/2
3,492	3/4
4,188	3/4
5,923	1
6,119	1 1/4
6,570	1 1/4
7,119	1 1/2
7,433	2
8,120	1 1/4
8,727	1 1/4
9,340	1 1/2
9,971	2
10,452	2
10,963	2
11,142	1 3/4

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**U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: [Signature]
 Walter Frederickson
 Vice President

Sworn and subscribed to before me the undersigned authority, on this the

10th day of March, 1980.

Margaret B. Anderson Notary Public in and for Midland
 County, Texas.

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ARTESIA, OFFICE

OIL CONSERVATION DIV.

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