

Form 9-330
(Rev. 5-63)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions 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 ☐ RECEIVED

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐ AUG - 7 1978

2. NAME OF OPERATOR

PETROLEUM DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR

9720 B Candelaria NE, Albuquerque, NM 87112

4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side)

At surface 660' FWL, 1980' FNL

At top prod. interval reported below

At total depth

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 16633

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Estelle Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Mescalero Sands Mississippian

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 34, T12S, R30E

12. COUNTY OR PARISH
Chaves13. STATE
New Mexico

15. DATE SPUDDED 12/28/77 16. DATE T.D. REACHED 2/16/78 17. DATE COMPL. (Ready to prod.) 6/21/78 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3925 GL 19. ELEV. CASINGHEAD 3943 KB

20. TOTAL DEPTH, MD & TVD 10,000 21. PLUG, BACK T.D., MD & TVD 4800 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 9319-27, 9338-42 (see Note on Page 2) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL - DLL 27. WAS WELL CORRED 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#	516	17 1/2	435 sx."C", 60sx.cement, 4% gel	
8-5/8	24#, 32#	2814	11	775 sx.HowcoLite; 300 sx"C", 15# salt.	
4 1/2	11.6#	9849	7-7/8	400 sx.50/50 PozMix, 4%gel, 390 sx"H".	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOR (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2-3/8		9442

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
9741-45, 9706-13, 9490-94, 9479-81, 4JSPF.				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9093-95; 9098-9102; 9135-37, 9141-45; 9168-74;				9479-9745	1000 gal. 7.5% MSR acid.
9225-27; 9266-70; 9296-99; 9319-27; 9338-42;				9225-9342	2000 gal. 7.5% MSR acid.
8962-70; 9016-20 w 4 JSPF.					

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6/21/78		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/24/78	24	48/64			470	70BWPD	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
150#	packer			470	70BWPD		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Charles W. Sanders

35. LIST OF ATTACHMENTS
Logs sent to USGS by Schlumberger.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Charles W. Sanders TITLE Vice President DATE 7/31/78

*(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; CORDED 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pennsylvanian	9075	9372	DST #1: 15"90"120"240"; tool open 1:45pm w/good blow of air; incrs. GTS 12"; 280 MCFPD through 1/4" ck @ end of 15" pre-flow. FSP 180#, mud to surface 8" on second flow, 1/2" ck. FSP gradually increasing to 570# in 49"; stabilized w/heaving spray of dl. mud throughout. Est. gas rates 2500 MCFPD; recovered 1000' dl. mud, 600' cond., Sampler recovery 50 cc's mud cut conden. 7.48 cub.ft. gas @ 1350#. HP 4884-4694; ISIP 2656 (incrs) FSP 2552 (incrs); FP 967-1365.	Queen San Andres Glorieta Fullerton Abo Wolfcamp Cisco Canyon Strawn Atoka Mississippian	2132 2722 4117 5580 6394 7547 8236 8555 8830 9355 9787	(+1811) (+1221) (-174) (-1637) (-2451) (-3604) (-4293) (-4612) (-4887) (-5412) (-5844)

NOTE: PRODUCING INTERVALS 9319-27 and 9338-42 ARE ISOLATED WITH PACKER AND RETRIEVABLE BRIDGE PLUG. PERFORATED INTERVALS ABOVE AND BELOW THIS PRODUCING ZONE SWABBED DRY AND WERE THEREFORE NOT SQUEEZED.