

U. S. G. O. COPY
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 *

5. LEASE DESIGNATION AND SERIAL NO.
LC 070409

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
None

7. UNIT AGREEMENT NAME
None

8. FARM OR LEASE NAME
Pure Federal

9. WELL NO.
No. 1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 11, T 21S, R 25E

12. COUNTY OR PARISH
Eddy County

13. STATE
New Mexico

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
THE ATLANTIC REFINING CO.

3. ADDRESS OF OPERATOR
5900 Cherry Ave., Long Beach, California 90805

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **1892' from west line and 2078' from south line of Sec. 11**
At top prod. interval reported below **"Effective May 3, 1966. The Atlantic Refining Company changed its name to Atlantic Richfield Company"**
At total depth _____

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDED **8/28/65** 16. DATE T.D. REACHED **11/6/65** 17. DATE COMPL. (Ready to prod.) **12/27/65** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **3332' KB** 19. ELEV. CASINGHEAD **3316'**

20. TOTAL DEPTH, MD & TVD **11,365** 21. PLUG, BACK T.D., MD & TVD **10,020 PLUG 10,367 R/D** 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY ROTARY TOOLS **0-11,365'** CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
10,104 - 10,367 R/D

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN **Acoustic-Gamma Ray Neutron-Caliper, Micro, Gamma/Gamma Density, Induction Electrical, Acoustic Parameter, Dual Porosity** 27. WAS WELL CORED **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#	447'	17-1/2	600 sxs Class C, 4% gel	nil
9-5/8"	36#	3479'	12-1/4	1260 sxs 1:1 posmix, 4% gel	100 sxs neat-nil
7 "	26 & 23#	10,720'	8-3/4	600 sxs Class C, 11#/#/sx NaCl	nil

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5 1/2	10,630'	11,372'	120 sxs	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

See Attachments

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	See Attachments

33.* PRODUCTION

DATE FIRST PRODUCTION **12/27/65** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Flowing** WELL STATUS (Producing 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
12/27/65	1 Hour	32/64	→	nil	202	nil	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
900 psi	Packer	→	nil	4884	nil	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Vented** TEST WITNESSED BY **V. H. Miller**

35. LIST OF ATTACHMENTS
Items 31, 32 and 37

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

SIGNED B. R. Johnson TITLE Substance Pay DATE 4/8/66

*(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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS
DST No. 1 Cisco Lime	8,318	8,434	Open 1 hour, recovered 3329' of muddy gas cut sulfurous salt water. No cushion used. IHP 3901 psi, ISI 3526 psi, IF 293 psi, FF 558 psi, FSI 3522 psi, FHP 3898 psi,	Queen Capitan Reef Base of Reef Top Delaware Mt. Group Bone Springs (Leonard) 1st Bone Spring Sand Dean (3rd Bone Spring) Wolfcamp Shale Wolfcamp Ls. Cisco-Canyon Dolomite Strawn Atoka Morrow Barnett Shale Miss. Ls. Woodford Shale Silviro-Devonian	938 995 1,807 3,438 5,180 7,226 7,609 7,851 8,407 8,780 9,588 9,984 10,379 10,695 11,095 11,146
DST No. 2 Strawn	9,372	9,526	Open 1 hour, recovered 100' of drilling fluid. No cushion. IHP 4482 psi, ISI 1033 psi, IF 102 psi, FF 133 psi, FSI 1664 psi, FHP 4469 psi.		
DST No. 3 Morrow	10,110	10,220	Open 1 hour, gas blow at rate of 220 Mcfd. Surface pressure 20 psi with 1/2" choke. Recovered 760' of gas cut mud. IHP 4778 psi, ISI 4155 psi, IF 222 psi, FF 262 psi, FSI 4411 psi, FHP 4797 psi.		
DST No. 4 Morrow	10,240	10,375	Open 90 min., gas blow at 5 Mcfd rate. Surface pressure 180 psi w/1" choke. Recovered 480' of heavily gas cut mud. IHP 4847 psi, ISI 4406 psi, IFP 513 psi, FFP 805 psi, FSI 4497 psi, FHP 4824 psi.		

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