

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See 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 _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Atlantic Richfield Company

3. ADDRESS OF OPERATOR
P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 2490' FNL & 1299' FEL (Unit Ltr H)
At top prod. interval reported below as above
At total depth as above

14. PERMIT NO. _____ DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.
NM 0557371
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Empire Abo Pressure Maintenance Project
8. FARM OR LEASE NAME
Empire Abo Unit "J"

9. WELL NO.
202

10. FIELD AND POOL, OR WILDCAT
Empire Abo

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
1-18S-27E

12. COUNTY OR PARISH
Eddy
13. STATE
N.M.

15. DATE SPUDDED 4/17/76 16. DATE T.D. REACHED 5/2/76 17. DATE COMPL. (Ready to prod.) 5/13/76 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3656.1' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6296' 21. PLUG, BACK T.D., MD & TVD 6198' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS 10-6296'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6141-6161' Abo 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN GR DLL w/RXO, Caliper, GR Neutron & GR Collar logs 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
8-5/8"OD	24#	1000'	11"	325 SX	
5-1/2"OD	14 & 15.5#	6296'	7-7/8"	1475 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"OD	6074'	6040'

31. PERFORATION RECORD (Interval, size and number) 6141-6161' w/2 JSPF = 42 - .48" holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6141-6161'	3000 gals 15% HCL-LSTNE acid cont'g iron sequestrant & 3000 gals 15% HCL/xylene 50:50 ratio

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
5/13/76	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/16/76	24	48/64"	→	250	276	0	1104:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
105#	105#	→	250	276	0	44°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY N. H. Truitt

35. LIST OF ATTACHMENTS
Logs as listed in Item 26 above, Record of Inclination & DST.

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

SIGNED _____ TITLE Dist. Drlg. Supv. DATE 5/18/76

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

RECEIVED

MAY 21 1976

O. C. C.
ARTESIA, OFFICE

RECEIVED

MAY 19 1976

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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:		38. GEOLOGIC MARKERS	
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.
Abo	5684'	5709'	<p>DST #1</p> <p>Closed chamber test calculated flow was 5.5 MMCFPD. TO @ 5:10 PM 5/3/76 & closed tool @ 5:15 PM 5/3/76. Cal. rec 0 BO & 0 BW. IHP 2811, IFP 777, FFP 928, ISIP 1237, FHP 2811.</p> <p>DST #2 - TO @ 7:03 PM, flwd 1-3/4 hrs on I t t c k, FTP 110#, flwd ARO 486 MCFPD, rec 0 BO & 0 BW @ surf. Closed tool @ 9:45 PM 5/3/76. IHP 2811, IFP 260, FFP 410, ISIP 1240, FHP 2811.</p> <p>DST #3 - TO @ 10:51 PM, very weak blow. Tool opened 2 hrs. Tool closed @ 12:45 AM 5/4/76. Reset tool @ 5708-5733', attempted to blow fluid from DP, no flow. RO 10 blis GCM. Tool plugged, had 20' of sand above tool.</p>
Abo	5822'	5847'	<p style="text-align: center;">Abo</p> <p style="text-align: center;">5554'</p>
Abo	5897'	5922'	<p style="text-align: center;">Abo</p> <p style="text-align: center;">5554'</p>