

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(See instruction on reverse side)

Form approved. Budget (Bureau No. 42-R355.5)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL [X] GAS WELL [] DRY [] Other []
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. DESVR. [] Other [] RECEIVED

2. NAME OF OPERATOR Atlantic Richfield Company AUG 2 1977

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 2370' FSL & 1510' FWL (Unit letter K) At top prod. interval reported below as above At total depth as above

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 6/23/77 16. DATE T.D. REACHED 7/13/77 17. DATE COMPL. (Ready to prod.) 7/24/77 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3594' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6210' 21. PLUG, BACK T.D., MD & TVD 6162 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6104-6126' Abo Reef

25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-DLL w/RXO, CNL-FDL & Caliper, GR-Cal-N, Sonic, GR-CBL 27. WAS WELL CORED Yes

28. CASING RECORD (Report all strings set in well)

Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD

Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD)

30. TUBING RECORD

Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 6104-6126' = 44 - .44" holes

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

Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS

Table with columns: DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO

Table with columns: 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.) Sold

35. LIST OF ATTACHMENTS Logs as listed in Item 26 above, Directional Survey, DS... Core Analysis & Inclination Report

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

SIGNED [Signature] TITLE Dist Drlg Supt. DATE 7/26/77

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

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 "K"
9. WELL NO. 183
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.

RECEIVED

RECEIVED JUL 28 1977

Journal 2 book

Amco

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: "Socks 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.	38. GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
Abjo Reef	5646	5668'	Core #1. Rec 19.5' Dolo Vuggs	Abjo Reef	5565'
Abjo Reef	5668	5675'	Core #2. Rec 7', Dolo Vuggs		
Abjo Reef	5950	5980'	Core #3. Rec 30', Dolo Pin Point fractures		
Abjo Reef	5980	6010'	Core #4. Rec 30', Dolo Vuggy & vertical fractures		
Abjo Reef	5781	5806'	DST #1. TO @ 9:30 AM 7/15/77 for 1/2 hr pre-flow. Tool closed @ 10 AM 7/15/77 for ISIP. TO @ 10:15 AM for flow period. Flwd 168 MCFGPD, no fluid to surf. Closed tool @ 10:57 AM 7/15/77. IH 2863, IFP 97, ISIP 1050, FFP 191, FSIP 936, FHP 2863, 1090°F. DST #2. TO @ 11:43 AM 7/15/77 for preflow. Closed tool @ 12:14 PM for ISIP. TO @ 1 PM flwd to surf in 1 hr & 20 mins. Flwd 20 mins & died. Closed tool @ 5PM 7/15/77. Rel tool & rev 31 BO. IH 2867, IF 605, ISIP 936, FFP 791, FHP 2884, Temp 109°.		
Abjo Reef	5860	5885			