

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

2. NAME OF OPERATOR
Northwest Exploration Company

3. ADDRESS OF OPERATOR
PO Box 90, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1160' FEL & 930' FSL
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. DATE ISSUED
API#30-043-20429

5. LEASE DESIGNATION AND SERIAL NO.
NM 25804

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Natani

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat Chacra

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

Sec 11 T21N R6W

12. COUNTY OR PARISH Sandoval
13. STATE New Mexico

15. DATE SPUDDED 6-28-79 16. DATE T.D. REACHED 7-5-79 17. DATE COMPL. (Ready to prod.) 9-4-79 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6985' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3630' 21. PLUG, BACK T.D., MD & TVD 2929' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → All 24. ROTARY TOOLS 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1580'-1662'; Chacra 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN BHC-GR, DIL, FDC-CNL-GR 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"	24#	220'	12-1/4"	140 sks	20 bbls
5-1/2"	15.5#	3630'	7-7/8"	425 sks	-

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	1579'	none

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1580	1594	1608	1656	1580'-1662'	250 gal 7-1/2% HCl
1582	1596	1610	1658		40,000# 20/40 sand
1584	1598	1640	1660		Frac fluid contained 2# FR/1000 gal
1590	1600	1642	1662		& 100 PPM nitrate tracer.
1592	1606	1644	Total 19 holes		

33.* PRODUCTION Total load to rec = 1234 bbls

DATE FIRST PRODUCTION N/A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST 9-4-79 HOURS TESTED 3 CHOKER SIZE 2" X 0.750" PROD'N. FOR TEST PERIOD → OIL—BBL. - GAS—MCF. CV 559MCFD WATER—BBL. - GAS-OIL RATIO -

FLOW. TUBING PRESS. 33 psig CASING PRESSURE 72 psig CALCULATED 24-HOUR RATE → OIL—BBL. - GAS—MCF. AOF 578 MCFD WATER—BBL. - OIL GRAVITY-API (CORR.) -

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.) Waiting on pipeline connection TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED Barbara C. Rex TITLE Production Dist. 3 U. S. GEOLOGICAL SURVEY Sept. 14, 1979

*(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 both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number 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 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 and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the 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 attached 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 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, adequate 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.

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				38.	GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOI
Chacra	1563'	2929'	SS: Clr gry, vfg, sbang, sl calc, sl clayey PBD (top of cmt plug) spotted 8-20-79. 8-17-79: Spotted 250 gal 7-1/2% HCl & perfed from 3044' to 3054' w/ 2 SPF(20 holes) Set model "K" retainer 8-17-79. 8-13-79: Tested csg to 4000 psi, held OK. Circ hole w/ wtr & nitrate tracer. Spotted 250 gal 7-1/2% HCl. Perfed from 3529' to 3534' w/ 2 SPF(10 holes). TD (Corrected)	Ojo Alamo Pictured Cliffs Chacra Menefee Point Lookout	651'	
	3044'	3054'			1164'	
	3529'	3216'			1563'	
		3534'			2641'	
		3630'			3506'	