

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DICIGATE*

See other in-
structions 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 _____		5. LEASE DESIGNATION AND SERIAL NO. NM-43758	
1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Northwest Exploration Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 5800 T. A., Denver, Colorado 80217		8. FARM OR LEASE NAME Gavilan	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 930' FNL & 910' FEL At top prod. interval reported below Same At total depth Same Distribution 14. PERMIT NO. _____ DATE ISSUED 12-4-81		9. WELL NO. #1	
15. DATE SPOOLED 12-26-81 16. DATE T.D. REACHED 1-16-82 17. DATE COMPL. (Ready to prod.) 3-21-82 18. ELEVATIONS (DF, BEB, ET, GR, ETC.)* 7467' KB 19. ELEV. CASINGHEAD 7454' GR		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
20. TOTAL DEPTH, MD & TVD 8241' 21. PLUG BACK T.D., MD & TVD 8073' 22. IF MULTIPLE COMPL., HOW MANY* 2 23. INTERVALS DRILLED BY 0'-8241' 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7880' - 8026' Dakota		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 26 T25N R2W	
25. WAS DIRECTIONAL SURVEY MADE No		12. COUNTY OR PARISH Rio Arriba	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, Neutron Density, GR, Sonic, CCL, CBL		13. STATE New Mexico	
27. WAS WELL CORED No			
28. CASING RECORD (Report all strings set in well)			
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9-5/8"	32.3# H-40 ST&C	540'	13-1/2"
4-1/2"	11.6# N-80 LT&C	8240'	6-1/4"
"	10.5# K-55 ST&C	"	"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
N/A			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	8010'	None	
31. PERFORATION RECORD (Interval, size and number)			
7880' - 8026' - 13 holes 4"			
7880' 7907' 8008' 8026'			
85' 10' 10'			
86' 8004' 22'			
7903' 06' 24' (continued on back)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
7879' - 8026'		1000 gal 7-1/2% HCl 7000 gal gel	
		water w/50,000 lb 40-60 sand.	
		Total fluid: 70,110 gal.	
33. PRODUCTION			
DATE FIRST PRODUCTION 3-21-82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 3-21-82		WELL STATUS (Producing or shut-in) Shut-in	
HOURS TESTED 24	CHOKE SIZE 32/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. 40
			GAS—MCF. 141
			WATER—BBL. 3
			GAS-OIL RATIO 3525
FLOW. TUBING PRESS. 200#	CASING PRESSURE 530#	CALCULATED 24-HOUR RATE →	OIL—BBL. 40
			GAS—MCF. 141
			WATER—BBL. 3
			OIL GRAVITY-API (CORR.) 40.0 @ 60°
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.). To be sold. NOTE: Production commingled with Gallup zone. Volumes reported			
35. LIST OF ATTACHMENTS Logs forwarded under separate cover by logging company.			
36. I hereby certify that the foregoing information is complete and correct as determined from all available records			

SIGNED

I. O. Van Ryan

JUN 14 1982

Vice President - Operations

DATE

April 6, 1982

BY

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

NORTHWEST EXPLORATION COMPANY

OPERATOR

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; 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.
			28. (continued from front) 600 sx 65/35 poz w/12% gel & 12-1/2% fine gils/sx.
			31. (continued from front) 8192' - 8202' - Broke down formation 1 jspf w/12 bbl CaCl ₂ water. Swab tested. Set retainer @ 8073'. Squeezed perfs w/50 sx cement.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Ojo Alamo			3252
Kirtland/Fruitland			3396
Pictured Cliffs			3520
Lewis			3594
Cliff House			5232
Menefee			5355
Point Lookout			5662
Mancos			5980
Gallup			6780
Greenhorn			7752
Graneros			7822
Dakota			7933
Morrison			8202

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 Northwest Exploration Company						7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 5800, Terminal Annex, Denver, Colorado 80217						8. FARM OR LEASE NAME Gavilan	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 930' FNL & 910' FEL At top prod. interval reported below Same At total depth Same						9. WELL NO. #1	
10. FIELD AND POOL, OR WILDCAT Wildcat						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 26 T25N R2W	
12. COUNTY OR PARISH Rio Arriba						13. STATE New Mexico	
15. DATE SPUDDED 12-26-81		16. DATE T.D. REACHED 1-16-82		17. DATE COMPL. (Ready to prod.) 3-21-82		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 7467' KB	
19. ELEV. CASINGHEAD 7454' GR		20. TOTAL DEPTH, MD & TVD 8241'		21. PLUG BACK T.D., MD & TVD 8073'		22. IF MULTIPLE COMPL. HOW MANY* 2	
23. INTERVALS DRILLED BY ROTARY TOOLS 0' - 8241'						24. WAS DIRECTIONAL SURVEY MADE No	
25. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6821' - 7562' Gallup						26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, Neutron Density, GR, Sonic, CCL, CBL	
27. WAS WELL CORED No						28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9-5/8"		32.3# H-40 ST&C		540'		13-1/4"	
4-1/2"		11.6# N-80 LT&C		8240'		6-1/4"	
"		10.5# K-55 ST&C		"		"	
30. TUBING RECORD		LINER RECORD		31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
SIZE		TOP (MD)		BOTTOM (MD)		DEPTH INTERVAL (MD)	
N/A						6821' - 7562'	
SIZE		TOP (MD)		BOTTOM (MD)		AMOUNT AND KIND OF MATERIAL USED	
2-3/8"						1000 gal HCl	
						1500 gal 15% HCl	
						40,000 gal gel water w/100,000 lb 20-40 sand - Tot. Fluid:	
						105,300 gal.	
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)		GAS-OIL RATIO	
3-21-82		Flowing		Shut-In		8790	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
3-21-82		24		32/64		62	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
200#		530#		62		545	
DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		LIST OF ATTACHMENTS		I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.		TEST WITNESSED BY	
To be sold. NOTE: Production commingled with Dakota zone.		Logs forwarded under separate cover by logging company.				JUN 1 1982	
SIGNED <u>L. O. Van Ryan</u>		TITLE <u>Vice President - Operations</u>		DATE <u>April 6, 1982</u>		RECORDED FOR RECORD	

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

OPERATOR

FARMINGTON DISTRICT
BY Elliot

INSTRUCTIONS

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FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No cores or Drill Stem Tests. BEFORE THE OIL CONSERVATION COMMISSION Santa Fe, New Mexico Case No. <u>8042</u> Exhibit No. <u>3</u> Submitted by <u>Ursa Grande</u> Hearing Date <u>8-1-84</u>
			28. (continued) 600 sx 65/35 poz w/12% gel & 12-1/2# fine gils/sx

38. GEOLOGIC MARKERS

NAME	NEAR. DEPTH	TOP	TRUE VERT. DEPTH
Ojo Alamo			3252
Kirtland/Fruitland			3396
Pictured Cliffs			3520
Lewis			3594
Cliff House			5232
Menefee			5355
Point Lookout			5662
Mancos			5980
Gallup			6780
Greenhorn			7752
Graneros			7822
Dakota			7933
Morrison			8202