

5 BLM 1 File 1 McHugh 2 EPNG
SUBMIT IN DUPLICATE
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NWPL (Shaw)

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

RECEIVED
(See other instructions on back of form)
OIL CON. DIV.
DIST. 3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☐

3. NAME OF OPERATOR
Jerome P. McHugh

4. ADDRESS OF OPERATOR
P O Box 208, Farmington, NM 87499

5. LOCATION OF WELL (Report location clearly and in accordance with instructions on back of form)
At surface 980' FSL - 1730' FEL
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED
3-28-84

5. LEASE DESIGNATION AND SERIAL NO.
NM 23039

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Full Sail

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Gavilan Mancos

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA
Sec. 29 T25N R2W, NMPM

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DATE SPUNDED 4-11-84 16. DATE T.D. REACHED 4-24-84 17. DATE COMPL. (Ready to prod.) 6-15-84 18. ELEVATIONS (DF, RKB, RT, CE, ETC.) 7107' GL; 7119' RKB 19. ELEV. CASINGHEAD 7107'

20. TOTAL DEPTH, MD & TVD 8129' 21. PLUG, BACK T.D., MD & TVD 8079' 22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY T.D. 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 6745 - 7409' Mancos

25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CCL, IEL 27. WAS WELL CORED no

CASING RECORD

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8" OD	36#	225' RKB	12-1/4"	295 cf class "B" + 2% CaCl ₂	----
5-1/2" OD	15.5 & 17#	8130' RKB	7-7/8"	2737 cf in 3 stages SEE REVERSE SIDE FOR DETAILS.	----

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	7375' RKB	

31. PERFORATION RECORD (Interval, size and number)

See Reverse Side for Complete Perforation Record.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6745-7004'	85,200# 20/40 sand (66,015# in formation)
	68,366 gals. 20# gelled water
7089-7409'	35,000 gals. 20# gelled water
	32,500# 20/40 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					shut-in	
6-14-84		Swabbing & flowing					shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
6-14-84	5		→	45	65	70*	1444	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
30	800	→	216	312	336*	42		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS

*Note: This is frac fluid. Test was swabbing & flowing test.

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

Geologist

Geologist

DATE 6-27-84

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 (drilllogs, 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.)

27. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CONED 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. CASING RECORD

(Details of cementing record continued from front page)

2737 cf in 3 stages: 1st stage: 400 sx 50-50 pos + 2% gel & 4#/sk Hi-seal & 1/4# cel10 flake/sk; & 100 sx class "B" w/1/4# cel10 flake/sk (626 cf 1st stg.) 2nd stage: 200 sx 65-35 + 12% gel & 1/4# cel10 flake/sk & 300 sx 50-50 pos + 2% gel & 1/4# cel10 flake/sk. (838 cf total 2nd stg.) 3rd stage: 500 sx 65-35 + 12% gel & 1/4# cel10 flake/sk & 135 sx 50-50 pos + 2% gel & 1/4# cel10 flake/sk. (total of 1283 cf 3rd stage.)

Note: Cement top at + 1000'.

DV Tools at 3514' and 5869'.

31. PERFORATION RECORD

6745, 49, 59, 63, 74, 83, 85, 95; 6809, 11, 13, 15, 26, 39, 41, 43, 51, 54, 56, 66, 79, 89; 6901, 27, 30, 35, 41, 47, 51, 54, 56, 63, 67, 75, 82, 89; 7001, 04; 7089, 7107, 25; 7211, 40, 91; 7303, 06, 08, 12, 14, 29, 39, 80, 84, 89, 92, 97, 99; 7404, 09. TOTAL OF 59 0.34" dia. holes. (Perforated with 3-1/8" gun and 1 jet shot per depth.)

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Ojo Alamo	3070'		
Kirtland	3230'		
Pictured Cliffs	3379'		
Lewis	3422'		
Cliff House	5047'		
Menefee	5165'		
Point Lookout	5513'		
Mancos	5808'		
Gallup	6303'		
Greenhorn	7595'		
Graneros	7670'		
Dakota	7777'		