

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-3355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☐	DRY ☒	Other <u>Fresh Water</u>		
b. TYPE OF COMPLETION:		NEW WELL ☐	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☒	DIFF. RESVR. ☐	Other <u>Fresh Water Well</u>
2. NAME OF OPERATOR <u>Michael P. Grace</u>						5. LEASE DESIGNATION AND SERIAL NO. <u>NM 0349515</u>	
3. ADDRESS OF OPERATOR <u>P. O. Box 1418, Carlsbad, New Mexico</u>						6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>NA</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>Sec. 21, T12N, R3W 1980' West of east line</u> At top prod. interval reported below <u>330' North of South line</u> At total depth						7. UNIT AGREEMENT NAME <u>NA</u>	
14. PERMIT NO.						8. FARM OR LEASE NAME <u>Sandy Federal</u>	
DATE ISSUED						9. WELL NO. <u>1</u>	
15. DATE SPUDDED <u>2/28/73</u>						10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u>	
16. DATE T.D. REACHED <u>3/17/73</u>						11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA <u>Sec. 21, T12N, R3W NMPM</u>	
17. DATE COMPL. (Ready to prod.) <u>3/19/73</u>						12. COUNTY OR PARISH <u>Sandoval</u>	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* <u>6017 Gr</u>						13. STATE <u>New Mexico</u>	
20. TOTAL DEPTH, MD & TVD <u>1500</u>		21. PLUG, BACK T.D., MD & TVD <u>225</u>		22. IF MULTIPLE COMPL., HOW MANY*		19. ELEV. CASINGHEAD <u>6012</u>	
23. INTERVALS DRILLED BY <u>10-1500</u>						25. WAS DIRECTIONAL SURVEY MADE <u>Totco Drift only</u>	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>Fresh water zone: 103' - 220'</u>						27. WAS WELL CORED <u>No</u>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>Welev IES. GR-Sonic: 103-920</u>							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
<u>8 5/8</u>	<u>36#</u>	<u>103'</u>	<u>12</u>	<u>38 sv circ to surface</u>			
<u>4 1/2</u>	<u>9.5#</u>	<u>200</u>	<u>6 3/4</u>	<u>Hanging</u>		<u>None</u>	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) <u>Bottom joint of 4 1/2 csg slotted for fresh water production/</u>				22. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL (MD) <u>MAY 25 1973</u>			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS GRAVITY-API (CORRECTED)	
24. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY <u>MAY 24 1973</u>	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available data.							
SIGNED <u>Michael P. Grace</u>		TITLE <u>Owner</u>		DATE <u>MAY 24 1973</u>		U.S. GEOLOGICAL SURVEY DURANGO, COLO.	

*(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 a State agency, or both, for use in applying 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: "Seals 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Soil	Surf	25'	Sandy loam	Jurassic	25'	114'
Brushy Basin	25'	114'	Green shale & Sand	Brushy Basin		
Westwater	114'	222'	Fresh water sand w/shale stringers	Westwater	114'	222'
Pecapture	222'	650'	Variagated Red-green shale & Siltstone	Pecapture	222'	340'
Summerville	650'	718'	Anhydrite	Bluff	340'	535'
Todilto	718'	742'	Limestone w/show oil	Summerville	535'	650'
Entrada	742'	792'	Sand & silt	Todilto Anhy	650'	718'
Chinle	792'	868'	Shale & Silt	Todilto ls	718'	742'
	868'	1500'	Red shale, Siltstone & Occ. lime nodules	Entrada	742'	868'
				Triassic Chinle	868'	1500'