

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 ☐				5. LEASE DESIGNATION AND SERIAL NO. I-149-Ind.-8463							
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐				6. INDIAN, ALLOTTEE OR TRIBE NAME Navajo-Neah Candelario et al							
2. NAME OF OPERATOR Austral Oil Company, Incorporated				7. UNIT AGREEMENT NAME							
3. ADDRESS OF OPERATOR 2700 Humble Bldg., Travis at Bell, Houston, Texas 77002				8. FARM OR LEASE NAME Candelario et al							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface Unit J, Sec. 1, T-27-N, R-9-W, 1450' from East line and 1,450' from South line. At top prod. interval reported below Unknown At total depth Unknown				9. WELL NO. 1							
14. PERMIT NO.				DATE ISSUED 1-15-65							
15. DATE SPUDDED 1-17-65				16. DATE T.D. REACHED 1-30-65							
17. DATE COMPL. (Ready to prod.) 2-9-65				18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5888' GR							
19. ELEV. CASINGHEAD 5888'				20. TOTAL DEPTH, MD & TVD 6673'							
21. PLUG, BACK T.D., MD & TVD 6621'				22. IF MULTIPLE COMPL., HOW MANY* Single							
23. INTERVALS DRILLED BY →				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Graneros Dakota 6348'-6576'es							
25. WAS DIRECTIONAL SURVEY MADE				26. TYPE ELECTRIC AND OTHER LOGS RUN Induction-Electric and Acoustic Velocity							
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#		325'		12 1/4"		275 sks		None	
4 1/2"		10.5#		6672'		7 7/8"		256 sks thru DV tool 4524'		None	
								120 sks thru DV tool 2153'		None	
29. LINER RECORD				30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		CEMENT		SIZE		DEPTH SET (MD)	
						SCREEN (MD)		2 1/16"		6323'	
31. PERFORATION RECORD (Interval, size and number) 6348-66', 6429-42', 6446-64', 6480-89', 6491-96', 6502-10', 6514-44', 6558-76' ES All 2 Jets/ft. 3/8" holes.				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 6348'-6576' AMOUNT AND KIND OF MATERIAL USED 89,250 Gals water 100,000# Sand 40 Tons Oil 700# Fluo; 600# CaCl; 500 Gals Dow Acid							
33.* PRODUCTION											
DATE FIRST PRODUCTION 2-20-65		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) S.I.							
DATE OF TEST 2-20-65		HOURS TESTED 14		CHOKE SIZE --		PROD'N. FOR TEST PERIOD →		OIL—BBL. 25		GAS—MCF. 1283	
FLOW. TUBING PRESS. 700#		CASING PRESSURE 1,168#		CALCULATED 24-HOUR RATE →		OIL—BBL. 43		GAS—MCF. 3,230		WATER—BBL. 12 (Free.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented				TEST WITNESSED BY Zed Hargraves							
35. LIST OF ATTACHMENTS D.V. tool report by B. Jackson Inc., Electric and Acoustic Velocity											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED K. L. L. L.		TITLE Drilling & Prod. Supt.		DATE 3-5-65							

*(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, 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				38. GEOLOGIC MARKERS			
FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
						MEAS. DEPTH	TRUE VERT. DEPTH
Picture Cliffs	2017	2084	Gas		Fruitland	1962	
Point Lookout	4340	4487	Gas		Picture Cliffs	2017	
Gallup	5484	5825	Non-Productive		Point Lookout	4340	
Graseros	6345		Gas		Mancos	4487	
Dakota		6623	Gas		Gallup	5484	
					Greenhorn	6250	
					Graseros	6345	
					Dakota	6418	
					Morrison	6662	