

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved,
Budget Bureau No. 42-B555 5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. 1-149-Ind.-8465	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Eugene B. Charles et al (Navajo)	
2. NAME OF OPERATOR Austral Oil Company Incorporated		UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 2700 Huebner Building, Houston, Texas 77002		8. FARM OR LEASE NAME Charles et al	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface Unit 8, Section 12, T-27-N, R-9-W, 1450' from North line and 1450' from West line. At top prod. interval reported below Unknown At total depth Unknown		9. WELL NO. 2	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Basin-Dakota	
DATE ISSUED 1-15-65		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 12, T-27-N, R-9-W	
15. DATE SPUNDED 1-31-65		12. COUNTY OR PARISH San Juan	
16. DATE T.D. REACHED 2-15-65		13. STATE N. Mexico	
17. DATE COMPL. (Ready to prod.) 3-2-65		18. ELEVATIONS (DF, RNB, RT, GR, ETC.)* 5992' GR, 6604' KB	
19. ELEV. CASINGHEAD 5992'		20. TOTAL DEPTH, MD & TVD 6736'	
21. PLUG, BACK T.D., MD & TVD 6735'		22. IF MULTIPLE COMPL., HOW MANY* Single	
23. INTERVALS DRILLED BY 6736'		24. PRODUCING INTERVALS OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Graneros-Dakota 6422'-6650'	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Induction-Electric; 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#	
336'		12 1/4"	
4 1/2"		19.5#	
6735'		7 7/8"	
250 sls		None	
350 sls thru shoe		None	
120 sls thru BV tool 9 22 1/2'		None	
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
BOTTOM (MD)		SACKS CEMENT*	
SCREEN (MD)		SIZE	
DEPTH SET (MD)		PACKER SET (MD)	
1 1/4"		6362'	
None		31. PERFORATION RECORD (Interval, size and number)	
6422-32', 6437-40', 6494-6520-, 6524-36', 6584-62', 6566-73', 6577-87', 6590-6600', 6604-17', 6622-50' No. All 2 Jets/ft - 3/8" holes		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6422'-6650'		85536 Gals water	
		100,000# 20-40 Sand	
		40 tons Co ₂	
		600# CaCl ₂ ; 500 Gals. x - 15% Acid	
33.* PRODUCTION		WELL STATUS (Producing or shut-in)	
DATE FIRST PRODUCTION 3-3-65		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 3-8-65		HOURS TESTED 12	
CHOKE SIZE --		PROD'N. FOR TEST PERIOD →	
OIL—BBL. 14		GAS—MCF. 1,175	
WATER—BBL. 3 (Frac)		GAS-OIL RATIO 108.357/1	
FLOW, TUBING PRESS. 865#		CASING PRESSURE 1,347#	
CALCULATED 24-HOUR RATE →		OIL—BBL. 29	
GAS—MCF. 3,200		WATER—BBL. 3 (Frac)	
OIL GRAVITY-API (CORR.) 30.60		TEST WITNESS →	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented		35. LIST OF ATTACHMENTS D.V. tool report by 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 R. Copeland TITLE Drilling & Prod. Supt.	

*(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	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Picture Cliffs	2004'	2125'	Gas	Fruitland	2004'	
Point Lookout	4376'	4450'	Gas	Picture Cliffs	2060'	
Callup	5536'	5880'	Non Productive	Point Lookout	4376'	
Graneros	6420'		Gas	Graneros	4507'	
Dakota		6700'	Gas Distillate	Callup	5536'	
				Greenhorn	6320'	
				Graneros	6420'	
				Dakota	6420'	
				Corrison	Below logged depth.	