

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 _____

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR
Grace Petroleum Corporation

3. ADDRESS OF OPERATOR Suite 200
1515 Arapahoe Street, 3 Park Central, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface NWNW 890' FNL, 830' FWL
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.
SF 078534

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal 35

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Lybrook

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 35-T24N-R7W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

15. DATE SPUDDED 8-7-80 16. DATE T.D. REACHED 8-17-80 17. DATE COMPL. (Ready to prod.) 10-28-80 18. ELEVATIONS (DF, RESB, RT, GR, ETC.)* 7021' KB 19. ELEV. CASINGHEAD 7009'

20. TOTAL DEPTH, MD & TVD 5820' 21. PLUG BACK T.D., MD & TVD 5778' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Gallup 5298' - 5652' 25. WAS DIRECTIONAL SURVEY MADE Yes.

26. TYPE ELECTRIC AND OTHER LOGS RUN GR, DIL, FDC-CNL, CBL, SP 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 METHOD	AMOUNT PULLED
8.625	24	323'	12.25"	260 sx "B"+ 2% CaCl ₂	Circulated
4.5	10.5	5820'	7.875"	260 sx 50:50:2+6.25# Gilschite/sx + 7# salt/sx, 2nd stg 710' sx 50:50:2	
DV Tool		2789'		tailed in w/50 sx CIs "B"	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
N/A					2.375	5622'
						PACKER SET (MD)
						N/A

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5298-5304	5500-06	47 shots	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5412-16	5642-52	.34" hole	5298-5652'	61,000 gal Gox-7 + 39,000 lb. 20-40 sand
5472-88				
5516-24				
5532-42				

33. PRODUCTION							
DATE FIRST PRODUCTION 10-30-80		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1.25" pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 10/31-11/3/80	HOURS TESTED 96	CHOKE SIZE N/A	PROD'N. FOR TEST PERIOD	OIL—BBL. 13.44	GAS—MCF. TSTM	WATER—BBL. Trace	GAS-OIL RATIO -
FLOW. TUBING PRESS. 25	CASING PRESSURE 100	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF. 3.36	WATER—BBL. TSTM	OIL GRAVITY-API (CORR.) 40.3	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Dick Harris

35. LIST OF ATTACHMENTS

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

SIGNED Kim E. Luckie TITLE operations engineer DATE 11-3-80

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

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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 Control": 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, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURE, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
					TOP TRUE VERT. DEPTH
				Ojo Alamo	820'
				Kurtland	1682'
				Pictured Cliffs	2152'
				Lewis Shale	2260'
				Chacra Zone	2586'
				La Ventana	2950'
				Cliff House	3684'
				Menefee	3756'
				Pt. Lookout	4408'
				Mancos	4660'
				Top Gallup	5296'
				Upper Gallup "A"	5470'
				Upper Gallup "B"	5491'
				Middle Gallup	5507'
				Lower Gallup "A"	5594'
				Lower Gallup "B"	5634'