

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

SF - 078562

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Grace Federal

9. WELL NO.

19-1

10. FIELD AND POOL, OR WILDCAT

Devils Park, Gallup  
Esposito11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

Sec 19, T24N, R6W

12. COUNTY OR  
PARISH

13. STATE

Rio Arriba New Mexico

19. ELEV. CASINGHEAD

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

3 Park Central, 1515 Arapahoe St., #200, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1650' FWL, 1880 FSL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

30-039-22117

7/12/79

15. DATE SPUDDED

7/16/79

16. DATE T.D. REACHED

8/23/79

17. DATE COMPL. (Ready to prod.)

10/16/79

18. ELEVATION (OF, RKB, RT, GR, ETC.)\*

6974' GR, 6986' KB

19. ELEV. CASINGHEAD

6974'

20. TOTAL DEPTH, MD &amp; TVD

5985'

21. PLUG, BACK T.D., MD &amp; TVD

5940'

22. IF MULTIPLE COMPL.,  
HOW MANY\*

N/A

23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

→

O-TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5682'-5808' Gallup

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL-FDC, CBL-VDI, DIL

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#/Ft.	320'	12 1/4"	225 sx Class "B" w/2%CaCl <sub>2</sub>	0
4 1/2"	10.5#/Ft.	5985'	7 7/8"	500 sx 50/50 Pozmix, 2% Gel	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5860.33	

31. PERFORATION RECORD (Interval, size and number)

5799-5804'	- 2 SPF	5701-5704'
5806-5808'		5695-5697' - 2 SPF
5765-5767'		5682-5687'
5736-5738' - 2 SPF		5649,5641' - 1 SPF
5716-5718'		5645,5634'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5799-5808'	800 gal 15% Spearhead Acid
5682-5767'	2500 gal 15% Spearhead Acid
	1 gal/1000 I-15, 8 1/2#/1000 4R-16
	10% WSA-1* (See Reverse)

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10/16/79		Plunger Lift				SI awaiting pipeline	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/16/79	24	3/4"	→	2	370	1	185,000
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
325	325	→	2	370	1	N/A at this time	

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

Venting approx 40 min/day to avoid killing well until tie in

35. LIST OF ATTACHMENTS

(approx 1-80)

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

SIGNED

TITLE Southern Dist. Oper. Manager DATE November 1, 1979

\*(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/or 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 32, 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 32.

**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 POKERS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORDED INTERVALS; AND ALL DRILL-STOP TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION TEST, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURE, AND RECOVERIES

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAN DEPTH	TOP	TRUE VERT. DEPTH
Ojo Alamo	1435'	1770'						
Kirtland	1868'	2342'						
Pictured Cliffs	2342'	2525'						
Chacra	2791'	3145'						
Climhouse	3145'	3354'						
Menefee	3899'	4380'						
Point Lookout	4597'	4775'						
Marcos	4775'	5601'						
Gallup	5601'							

#32 (Continued)  
5799-5767' - Frac w/64.554 gal. Mini-max 2. 23 KCL containing 76,000# 20/40 SD & 32,000# 10+20  
SD - 2 stages.