

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYCOPY TO O. C. G.
SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-15907 *

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Felmont Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Salt Lake Morrow, South

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 25, T-20-S, R-32-E

12. COUNTY OR PARISH 13. STATE

Lea

N. M.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR
Grace Petroleum Corporation

3. ADDRESS OF OPERATOR
P. O. Drawer 2358, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
660' FSL & 760' FEL (* Surface location is on fee acreage)
Bottom Hole location will be under Federal Lease NM-15907 as follows: approximate center of the SW/4 of same Section 25.

14. PERMIT NO.
Letter dated 6-14-79

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3587' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Prod. Csg & Completion ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

NOTE: For complete Deviation Survey record see attachment.

9-30-79 PD 10,016'. Tested BOP rams to 5000 psig ok. Tested Hydril to 3400 psig.

11-8-79 PD 12,544'. RIH w/DP open-ended to 11,985'. Circ'd & RU Howco. Pumped 1000 gals SAM-4, 10 bbls FW, 215 sx Class "H" cmt containing 28 lbs/sk 100 mesh sand & 1% CFR-2 displaced w/10 bbls FW & 150 bbls mud. Cmt plug in place @ 12:30 a.m. WOC 20 hrs.

11-9-79 RIH & tagged cmt top @ 11,465. Drld cmt from 11,465' to 11,566'. Set 45M lbs down on cmt w/1900 psig PP for 15". Held ok.

12-24-79 Ran GR-Acoustic Velocity Neutron Log & Gamma Guard Forxo Log - logger's TD 14,414'.

12-26-79 Ran 5½" csg as follows: 363 jts (14,418.77') S-95 & N-80, LT&C & Buttress, 17#, 8R. Set @ 14,387'. Cemented w/350 sx Trinity Lite wt. cement. Contained 0.8% FF1/sk, 5# gilsonite/sk, ¼# flocele/sk, 0.3% AF10/sk, 0.3% WR 10/sk, followed w/1000 sx Class "H", containing 1.25% CF 9/sk, 0.5% WR 2/sk, 2% KCL, 0.3% AF-10. Displaced w/3% KCL fresh water. PD @ 12:45 a.m. Bumped plug w/3600 psi. Float held.

(con't on additional page)

18. I hereby certify that the foregoing is true and correct.

SIGNED

TITLE District Production Manager DATE 1-22-80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY
HOOVER, NEW MEXICO

*See Instructions on Reverse Side

RECEIVED

JAN 29 1980

OIL CONSERVATION DIV

Form 9-331
Sundry Notice
Felmont Federal #2
1-22-80

12-27-79 Set slips & cut off 5½" csg. Released rig @ 6:00 p.m.
1-5-80 MIRUPU. Installed hydraulic BOP.
1-13-80 Ran GR-Microseismogram-CCL CMT Bond Log from 14,224' WL depth to indicated TOC @ 10,850'.
1-15-80 RIH w/Dyna-drill & 4 3/4" Mill on 8 - 3-1/8" DC's & 2 7/8" tbg. Tagged cmt top.
1-17-80 Drld cmt, float collar, & cmt. POH w/Dyna-drill this a.m.
1-18-80 Tested BOP & 5½" csg to 1800 psig for 30". Held ok. RIH w/GR-CCL Log & tied-in to Microseismogram Log dated 1-12-80. Established WL PBTD @ 14,331'.
1-19-80 WIH w/Welex 3-1/8" select-fire perf'g gun & perf'd Morrow Sand FRM thru 5½" csg w/1 JSPF across the following intervals: 14,287' to 14,279' (8' - 9 holes); 14,111' to 14,097' (14' - 15 holes); 14,039' to 14,031' (8' - 9 holes) for a total of 30' & 33 - 0.42" holes. RIH w/Otis Perma-trieve WL pkr w/ expendable plug & set @ 13,864'. PU & RIH w/Otis latch-in seal assembly, N nipple, & OSTSD on 45 stds 2-7/8" tbg. Tested same to 9000 psig above slips.
1-22-80 Finished RIH w/tbg testing same to 9000 psig above slips. Ran a total of 450 jts (13,845') 2-7/8", 6.5 lbs/ft, N80, EUE 8rd ABC-Modified tbg set in Otis Perma-trieve pkr @ 13,864' w/14 pts compression. Installed xmas tree & tested same to 5000 psig. Held ok. Tested TBG-CSG annulus to 1500 psig. Held ok. Swb'd well down. Well kicked-off & started flw'g. Flow tested well. SI pending sales line installation.

Attachment

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	LEG SEVERITY DEG/100FT
0.	0 0	0	0.00	0.00	0.00	0.0
100.	0 30	S 44 E	100.00	-0.35	0.31 S	0.5
200.	0 15	S 2 E	200.00	-0.70	0.90 S	0.4
300.	0 0	0	300.00	-0.74	1.12 S	0.2
400.	0 30	S 50 E	399.99	-1.12	1.40 S	0.5
500.	1 15	S 29 E	499.98	-2.27	2.57 S	0.8
600.	1 30	S 25 E	599.95	-3.71	4.71 S	0.3
700.	1 15	S 23 E	699.92	-5.05	6.90 S	0.3
800.	1 15	S 28 E	799.90	-6.31	8.87 S	0.1
900.	1 15	S 32 E	899.88	-7.71	10.76 S	0.1
1000.	1 15	S 29 E	999.85	-9.12	12.64 S	0.1
1100.	1 15	S 18 E	1099.83	-10.32	14.63 S	0.2
1200.	1 15	S 13 E	1199.80	-11.26	16.74 S	0.1
1300.	1 0	S 24 E	1299.79	-12.19	18.59 S	0.3
1400.	0 45	S 49 E	1399.77	-13.28	19.81 S	0.5
1500.	0 30	S 78 E	1499.77	-14.32	20.29 S	0.4
1600.	0 45	S 66 E	1599.76	-15.39	20.63 S	0.3
1700.	0 45	S 68 E	1699.75	-16.67	21.14 S	0.0
1800.	0 30	S 85 E	1799.75	-17.75	21.39 S	0.3
1900.	0 15	S 37 E	1899.74	-18.35	21.70 S	0.4
2000.	0 15	N 77 E	1999.74	-18.76	21.84 S	0.3
2100.	0 30	N 49 E	2099.74	-19.28	21.55 S	0.3
2200.	0 30	N 51 E	2199.74	-19.84	20.99 S	0.0
2300.	1 0	N 72 E	2299.73	-20.86	20.36 S	0.6
2400.	0 45	N 80 E	2399.71	-22.26	20.00 S	0.3
2500.	0 45	N 72 E	2499.71	-23.45	19.68 S	0.1
2600.	0 45	N 68 E	2599.70	-24.59	19.23 S	0.1
2700.	1 0	N 57 E	2699.68	-25.80	18.53 S	0.3
2800.	1 0	N 48 E	2799.67	-26.98	17.47 S	0.2
2900.	1 0	N 54 E	2899.65	-28.13	16.37 S	0.1

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	DOG LEG SEVERITY DEG/100FT
3000.	1 0	N 78 E	2999.64	-29.57	15.66 S 27.29 E	0.4
3100.	0 45	N 77 E	3099.63	-30.98	15.33 S 28.78 E	0.3
3200.	0 45	N 33 E	3199.62	-31.88	14.60 S 29.82 E	0.6
3300.	1 0	N 33 E	3299.60	-32.48	13.32 S 30.65 E	0.3
3400.	1 0	N 48 E	3399.59	-33.37	12.00 S 31.78 E	0.3
3500.	1 0	N 50 E	3499.57	-34.47	10.85 S 33.10 E	0.0
3600.	0 30	N 38 E	3599.56	-35.20	9.91 S 34.01 E	0.5
3700.	0 30	N 21 E	3699.56	-35.50	9.15 S 34.44 E	0.1
3800.	0 30	N 24 E	3799.56	-35.69	8.35 S 34.77 E	0.0
3900.	1 0	N 44 E	3899.55	-36.22	7.27 S 35.50 E	0.6
4000.	0 45	N 65 E	3999.53	-37.29	6.39 S 36.73 E	0.4
4100.	0 30	N 67 E	4099.53	-38.19	5.94 S 37.73 E	0.3
4200.	0 45	N 39 E	4199.52	-38.93	5.29 S 38.59 E	0.4
4300.	0 45	N 36 E	4299.51	-39.54	4.25 S 39.39 E	0.0
4400.	0 45	N 47 E	4399.50	-40.22	3.28 S 40.26 E	0.1
4500.	0 30	N 60 E	4499.50	-40.97	2.63 S 41.13 E	0.3
4600.	0 30	N 30 E	4599.49	-41.47	2.02 S 41.74 E	0.3
4700.	0 45	N 16 E	4699.49	-41.72	1.02 S 42.17 E	0.3
4800.	0 30	N 23 E	4799.48	-41.90	0.01 N 42.53 E	0.3
4900.	0 45	N 51 E	4899.47	-42.39	0.87 N 43.18 E	0.4
5000.	0 30	N 27 E	4999.47	-42.92	1.71 N 43.86 E	0.4
5100.	0 30	N 12 E	5099.46	-43.06	2.53 N 44.15 E	0.1
5200.	0 15	N 19 E	5199.46	-43.13	3.16 N 44.32 E	0.3
5227.	0 45	N 4 W	5226.46	-43.12	3.40 N 44.36 E	2.0
5321.	1 0	N 5 W	5320.45	-42.76	4.83 N 44.24 E	0.3
5415.	1 15	N 15 W	5414.43	-42.13	6.64 N 43.92 E	0.3
5509.	1 0	N 16 W	5508.41	-41.34	8.42 N 43.43 E	0.3
5603.	1 0	N 12 W	5602.39	-40.68	10.01 N 43.03 E	0.1
5697.	1 15	N 2 E	5696.38	-40.21	11.85 N 42.87 E	0.4
5791.	1 0	N 14 W	5790.36	-39.70	13.68 N 42.68 E	0.4

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5885.	0 45	N 14 W	5884.34	-39.12	15.07 N 42.33 E	0.3
✓ 5980.	0 45	N 49 W	5979.34	-38.31	16.11 N 41.69 E	0.5
6034.	3 30	N 47 W	6033.29	-36.62	17.45 N 40.20 E	5.1
6126.	5 30	N 73 W	6125.00	-29.90	21.03 N 34.01 E	3.1
6219.	7 30	N 79 W	6217.40	-19.41	23.58 N 23.80 E	2.3
6312.	9 15	N 82 W	6309.41	-5.86	25.81 N 10.44 E	1.9
6405.	10 0	N 83 W	6401.09	9.67	27.84 N 4.98 W	0.8
6497.	10 30	N 84 W	6491.63	26.02	29.70 N 21.24 W	0.6
6590.	11 15	N 85 W	6582.96	43.51	31.38 N 38.71 W	0.8
6683.	13 30	S 89 W	6673.79	63.24	32.07 N 58.61 W	2.8
6776.	14 0	S 88 W	6764.12	84.92	31.49 N 80.71 W	0.6
6868.	15 0	S 86 W	6853.19	107.37	30.29 N 103.71 W	1.2
6961.	15 45	S 86 W	6942.86	131.31	28.57 N 128.31 W	0.8
7054.	17 0	S 82 W	7032.09	156.52	25.83 N 154.38 W	1.8
7147.	18 15	S 78 W	7120.72	183.00	20.94 N 182.11 W	1.9
✓ 7239.	17 45	S 86 W	7208.21	210.04	16.99 N 210.24 W	2.7
7332.	17 30	N 84 W	7296.85	237.82	17.48 N 238.35 W	3.3
7425.	19 45	N 85 W	7384.97	267.43	20.32 N 267.91 W	2.4
7518.	22 0	N 81 W	7471.86	300.52	24.36 N 300.80 W	2.9
7610.	21 30	N 82 W	7557.31	334.61	29.40 N 334.52 W	0.7
7703.	22 0	N 79 W	7643.69	369.06	35.09 N 369.50 W	1.3
7796.	23 0	N 79 W	7729.61	404.64	41.88 N 403.44 W	1.1
7889.	23 45	N 80 W	7814.97	441.54	48.60 N 439.72 W	0.9
7981.	24 45	N 79 W	7898.86	479.32	55.49 N 476.87 W	1.2
8074.	25 45	N 80 W	7982.97	518.99	62.72 N 515.88 W	1.2
8167.	26 15	N 80 W	8066.56	559.76	69.80 N 556.03 W	0.5
8260.	27 0	N 80 W	8149.69	601.44	77.03 N 597.07 W	0.8
8352.	27 30	N 80 W	8231.48	643.56	84.35 N 638.56 W	0.5
8445.	28 0	N 81 W	8313.79	686.86	91.49 N 681.26 W	0.7
8538.	27 30	N 82 W	8396.09	730.15	97.89 N 724.09 W	0.7

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	DOG LEG SEVERITY DEG/100FT
8631.	26 0	N 81 W	8479.13	772.00	104.08 N 765.49 W	1.7
8723.	24 45	N 82 W	8562.25	811.42	109.91 N 804.48 W	1.4
8816.	23 0	N 84 W	8647.29	849.01	114.50 N 841.84 W	2.1
8909.	22 0	N 85 W	8733.21	884.49	117.91 N 877.26 W	1.2
9002.	22 45	N 86 W	8819.20	919.74	120.68 N 912.56 W	0.9
9094.	23 30	N 86 W	8903.81	955.68	123.20 N 948.60 W	0.8
9187.	24 0	N 88 W	8988.93	992.87	125.16 N 986.01 W	1.0
9280.	24 30	N 88 W	9073.73	1030.71	126.50 N 1024.18 W	0.5
9373.	25 0	N 89 W	9158.18	1069.22	127.52 N 1063.10 W	0.7
9465.	26 0	N 89 W	9241.22	1108.36	128.21 N 1102.70 W	1.1
9558.	27 0	S 89 W	9324.45	1149.24	128.21 N 1144.19 W	1.4
9651.	27 0	S 89 W	9407.31	1190.70	127.47 N 1186.41 W	0.0
✓ 9744.	28 30	N 89 W	9489.61	1233.36	127.47 N 1229.71 W	1.9
9836.	26 45	N 83 W	9571.12	1275.78	130.44 N 1272.24 W	3.6
9929.	27 0	N 82 W	9654.07	1317.78	135.93 N 1313.92 W	0.6
✓ 10022.	27 15	N 77 W	9736.84	1360.17	143.66 N 1355.60 W	2.5
10115.	24 0	N 74 W	9820.68	1400.25	153.72 N 1394.53 W	3.8
10207.	22 0	N 71 W	9905.37	1435.87	164.53 N 1428.81 W	2.5
10300.	19 30	N 70 W	9992.32	1468.35	175.53 N 1459.87 W	2.7
10393.	18 15	N 71 W	10080.32	1498.01	185.57 N 1488.23 W	1.4
10486.	19 45	N 74 W	10168.25	1528.02	194.67 N 1517.10 W	1.9
10578.	21 0	N 76 W	10254.49	1559.92	202.96 N 1548.04 W	1.6
10671.	21 30	N 77 W	10341.17	1593.56	210.83 N 1580.81 W	0.7
10764.	21 0	N 77 W	10427.84	1627.21	218.42 N 1613.65 W	0.5
10857.	20 0	N 76 W	10514.95	1659.71	226.02 N 1645.32 W	1.1
10949.	20 45	N 77 W	10601.20	1691.68	233.50 N 1676.46 W	0.9
11042.	22 0	N 78 W	10687.79	1725.54	240.83 N 1709.56 W	1.4
11135.	22 45	N 79 W	10773.79	1760.93	247.89 N 1744.25 W	0.9
11228.	23 30	N 80 W	10859.32	1797.45	254.55 N 1780.16 W	0.9
11320.	24 30	N 81 W	10943.36	1834.86	260.72 N 1817.06 W	1.2

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	DOG LEG SEVERITY DEG/100FT
11413.	25 0	N 82 W	11027.82	1873.79	266.48 N 1855.57 W	0.7
11506.	25 30	N 83 W	11111.93	1913.43	271.65 N 1894.91 W	0.7
11599.	26 0	N 78 W	11195.70	1953.82	278.32 N 1934.74 W	2.4
11691.	28 0	N 74 W	11277.66	1995.47	288.42 N 1975.26 W	2.9
11784.	28 45	N 75 W	11359.49	2039.45	300.23 N 2017.85 W	1.0
11877.	30 0	N 76 W	11440.53	2084.92	311.65 N 2062.02 W	1.4
11970.	31 15	N 76 W	11520.55	2132.17	323.11 N 2107.98 W	1.3
12062.	32 0	N 75 W	11598.89	2180.25	335.19 N 2154.69 W	1.0
12155.	33 0	N 74 W	11677.32	2229.98	348.55 N 2202.84 W	1.2
12248.	33 30	N 74 W	11755.10	2280.68	362.60 N 2251.85 W	0.5
12341.	34 0	N 75 W	11832.42	2332.10	376.41 N 2301.65 W	0.8
12433.	34 15	N 75 W	11908.58	2383.51	389.77 N 2351.50 W	0.3
12526.	35 0	N 74 W	11985.11	2436.10	403.89 N 2402.42 W	1.0
12619.	35 0	N 74 W	12061.29	2489.13	418.59 N 2453.70 W	0.0
12712.	35 30	N 76 W	12137.24	2542.59	432.48 N 2505.54 W	1.4
12804.	36 15	N 75 W	12211.78	2596.33	445.98 N 2557.74 W	1.0
12897.	36 15	N 75 W	12286.78	2651.10	460.22 N 2610.86 W	0.0
12990.	36 0	N 75 W	12361.90	2705.71	474.41 N 2663.82 W	0.3
13083.	35 30	N 75 W	12437.37	2759.83	488.47 N 2716.30 W	0.5
13175.	36 0	N 74 W	12512.04	2813.32	502.83 N 2768.10 W	0.8
13268.	36 0	N 74 W	12587.28	2867.67	517.90 N 2820.65 W	0.0
13361.	35 45	N 74 W	12662.63	2921.86	532.92 N 2873.04 W	0.3
13454.	34 45	N 73 W	12738.58	2975.17	548.17 N 2924.50 W	1.2
13546.	32 0	N 72 W	12815.40	3025.33	563.38 N 2972.76 W	3.0
13639.	28 0	N 70 W	12895.92	3071.23	578.52 N 3016.72 W	4.4
13732.	25 15	N 69 W	12979.05	3112.19	593.11 N 3055.75 W	3.0
13825.	24 15	N 68 W	13063.50	3150.32	607.38 N 3091.98 W	1.2
13917.	23 15	N 66 W	13147.71	3186.40	621.86 N 3126.08 W	1.4
14010.	23 0	N 65 W	13233.24	3221.74	637.00 N 3159.32 W	0.5
14103.	21 30	N 64 W	13319.31	3255.65	652.16 N 3191.10 W	1.7

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	DOG LEG SEVERITY DEG/100FT
14196.	21 15	N 60 W	13405.91	3287.86	668.07 N 3221.02 W	1.6
14288.	21 0	N 57 W	13491.72	3318.67	685.40 N 3249.29 W	1.2
14381.	20 45	N 55 W	13578.62	3348.91	703.93 N 3276.76 W	0.8

FINAL CLOSURE - DIRECTION: N 77 DEGS 52 MINS 33 SECS W
DISTANCE: 3351.52 FEET