

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT **OCD-ARTESIA**FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS****Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE - Other instructions on reverse side****RECEIVED**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

FEB 27 2006

2. Name of Operator

PARALLEL PETROLEUM CORPORATION**OCD-ARTESIA**

3a. Address

P.O. BOX 10587, MIDLAND, TX 79702

3b. Phone No. (include area code)

432-685-6563

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

5. Lease Serial No.

NM 98791

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

BOKTOP 1921-1 1

9. API Well No.

30-015-34374

10. Field and Pool, or Exploratory Area

SECONDARY TARGET WOLF CAMP HZ

11. County or Parish, State

EDDY NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other <u>GYRODATA</u> |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | <u>DIRECTIONAL SURVEY</u> |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 day following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

GYRODATA DIRECTIONAL SURVEY JOB NUMBER MD1105G 250 FOR SUBJECT WELL ATTACHED14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed) Title**KAYE MC CORMICK****SR PROD & REG TECH**Date **02-16-2006****ACCEPTED FOR RECORD THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

DAVID E. CLARK

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

PETROLEUM ENGINEER

A Gyrodata Directional Survey

for

PARALLEL PETROLEUM

Lease: Box Top Federal Well: No. 1921-1, 4-1/2" Drillpipe
Location: Patriot Drilling Rig 1, Eddy County, New Mexico

Job Number: MD1105G_250

Run Date: 25 Nov 2005

Surveyor: Mark Gillaspia; Henry Drew

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.684231 deg. N Longitude: 104.753000 deg. W

Azimuth Correction:

Gyro: 0.23000 deg East to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

Parallel Petroleum

Lease: Box Top Federal Well: No. 1921-1, 4-1/2" Drillpipe

Location: Patriot Drilling Rig 1, Eddy County, New Mexico

Job Number: MD1105G_250

MEASURED DEPTH feet	IN C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0 - 7595 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATRIOT RIG 1 RKB (+12 FT)							

100.00	0.19	259.16	S 79 10 W	0.19	100.00	0.2 259.2	0.03 S 0.16 W
200.00	0.34	178.92	S 1 5 E	0.36	200.00	0.5 221.2	0.36 S 0.31 W
300.00	0.20	126.27	S 53 44 E	0.27	300.00	0.8 192.2	0.76 S 0.16 W
400.00	0.73	92.85	S 87 9 E	0.57	399.99	1.1 145.7	0.90 S 0.61 E
500.00	1.07	95.03	S 84 58 E	0.34	499.98	2.4 114.9	1.01 S 2.17 E
600.00	0.81	74.88	N 74 53 E	0.42	599.97	3.9 103.5	0.91 S 3.78 E
700.00	1.03	79.88	N 79 53 E	0.24	699.96	5.4 96.1	0.57 S 5.34 E
800.00	1.17	95.24	S 84 46 E	0.33	799.94	7.3 94.0	0.50 S 7.24 E
900.00	1.34	102.19	S 77 49 E	0.23	899.91	9.4 95.1	0.84 S 9.40 E
1000.00	1.17	102.34	S 77 40 E	0.17	999.89	11.6 96.5	1.31 S 11.54 E
1100.00	1.54	90.57	S 89 26 E	0.47	1099.86	14.0 96.3	1.54 S 13.88 E
1201.00	1.70	83.03	N 83 2 E	0.26	1200.82	16.8 94.7	1.37 S 16.73 E
1295.00	1.66	82.95	N 82 57 E	0.04	1294.78	19.5 93.0	1.03 S 19.47 E
1390.00	1.26	99.37	S 80 38 E	0.61	1389.75	21.9 92.7	1.04 S 21.86 E
1484.00	1.00	116.22	S 63 47 E	0.44	1483.73	23.7 93.8	1.57 S 23.62 E
1578.00	0.92	123.04	S 56 58 E	0.15	1577.72	25.1 95.3	2.34 S 24.98 E
1672.00	0.78	127.67	S 52 20 E	0.16	1671.71	26.3 96.9	3.14 S 26.12 E
1766.00	0.65	143.94	S 36 4 E	0.26	1765.70	27.2 98.4	3.96 S 26.94 E
1861.00	0.53	147.88	S 32 7 E	0.13	1860.70	27.9 99.8	4.77 S 27.49 E
1955.00	0.47	150.64	S 29 21 E	0.07	1954.69	28.4 101.1	5.47 S 27.91 E

A Gyrodata Directional Survey

Parallel Petroleum

Lease: Box Top Federal Well: No. 1921-1, 4-1/2" Drillpipe

Location: Patriot Drilling Rig 1, Eddy County, New Mexico

Job Number: MD1105G_250

MEASURED DEPTH feet	IN C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
2049.00	0.39	151.80	S 28 12 E	0.08	2048.69	28.9 102.2	6.09 S 28.25 E
2143.00	0.30	157.62	S 22 23 E	0.11	2142.69	29.3 103.0	6.60 S 28.50 E
2237.00	0.26	164.83	S 15 10 E	0.05	2236.69	29.5 103.8	7.03 S 28.65 E
2332.00	0.40	183.90	S 3 54 W	0.18	2331.69	29.7 104.8	7.56 S 28.68 E
2426.00	0.45	188.66	S 8 40 W	0.07	2425.68	29.8 106.1	8.26 S 28.60 E
2520.00	0.53	195.28	S 15 17 W	0.11	2519.68	29.8 107.6	9.04 S 28.43 E
2614.00	0.55	196.49	S 16 30 W	0.03	2613.68	29.9 109.4	9.90 S 28.19 E
2708.00	0.47	193.95	S 13 57 W	0.10	2707.67	29.9 110.9	10.71 S 27.97 E
2803.00	0.49	196.47	S 16 28 W	0.03	2802.67	30.0 112.5	11.47 S 27.76 E
2897.00	0.53	207.43	S 27 26 W	0.11	2896.66	30.1 114.0	12.25 S 27.44 E
2991.00	0.44	215.88	S 35 53 W	0.12	2990.66	30.0 115.6	12.93 S 27.03 E
3085.00	0.28	208.26	S 28 16 W	0.18	3084.66	29.9 116.7	13.42 S 26.71 E
3179.00	0.22	186.92	S 6 55 W	0.11	3178.66	29.9 117.4	13.80 S 26.58 E
3274.00	0.31	159.18	S 20 49 E	0.16	3273.66	30.2 118.1	14.22 S 26.65 E
3368.00	0.48	132.69	S 47 19 E	0.27	3367.66	30.8 118.6	14.72 S 27.03 E
3462.00	0.89	119.03	S 60 58 E	0.46	3461.65	31.9 118.8	15.35 S 27.96 E
3556.00	1.17	103.22	S 76 47 E	0.42	3555.63	33.5 118.3	15.92 S 29.53 E
3650.00	1.27	104.62	S 75 23 E	0.11	3649.61	35.5 117.5	16.40 S 31.47 E
3745.00	1.44	104.30	S 75 42 E	0.18	3744.59	37.7 116.8	16.96 S 33.64 E
3839.00	1.54	106.29	S 73 43 E	0.12	3838.55	40.1 116.1	17.61 S 36.00 E
3933.00	1.56	100.75	S 79 15 E	0.16	3932.52	42.6 115.3	18.20 S 38.47 E
4027.00	1.61	102.16	S 77 51 E	0.07	4026.48	45.1 114.5	18.71 S 41.01 E
4121.00	1.66	104.42	S 75 35 E	0.09	4120.45	47.7 113.9	19.33 S 43.62 E
4216.00	1.74	104.37	S 75 38 E	0.09	4215.40	50.5 113.4	20.03 S 46.35 E

A Gyrodata Directional Survey

Parallel Petroleum

Lease: Box Top Federal Well: No. 1921-1, 4-1/2" Drillpipe

Location: Patriot Drilling Rig 1, Eddy County, New Mexico

Job Number: MD1105G_250

MEASURED DEPTH feet	IN C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4310.00	1.78	106.38	S 73 37 E	0.08	4309.36	53.4 112.9	20.80 S 49.13 E
4404.00	1.71	108.77	S 71 14 E	0.11	4403.32	56.2 112.7	21.66 S 51.86 E
4498.00	1.86	109.93	S 70 4 E	0.17	4497.27	59.1 112.5	22.63 S 54.62 E
4592.00	2.04	107.32	S 72 41 E	0.21	4591.22	62.3 112.3	23.65 S 57.64 E
4687.00	1.94	107.13	S 72 52 E	0.10	4686.16	65.6 112.0	24.62 S 60.79 E
4781.00	1.96	108.35	S 71 39 E	0.05	4780.10	68.8 111.8	25.60 S 63.85 E
4875.00	1.76	106.64	S 73 21 E	0.22	4874.05	71.8 111.7	26.52 S 66.76 E
4969.00	1.87	108.30	S 71 42 E	0.13	4968.01	74.8 111.5	27.42 S 69.60 E
5063.00	1.85	111.42	S 68 35 E	0.11	5061.96	77.9 111.4	28.45 S 72.47 E
5158.00	1.68	110.65	S 69 21 E	0.18	5156.91	80.8 111.4	29.50 S 75.20 E
5252.00	1.64	110.97	S 69 2 E	0.04	5250.87	83.5 111.4	30.47 S 77.74 E
5346.00	1.55	111.01	S 68 59 E	0.10	5344.84	86.1 111.4	31.41 S 80.18 E
5440.00	1.43	107.17	S 72 50 E	0.16	5438.81	88.6 111.3	32.21 S 82.49 E
5534.00	1.35	99.39	S 80 37 E	0.22	5532.78	90.8 111.1	32.74 S 84.71 E
5629.00	1.08	96.90	S 83 6 E	0.29	5627.76	92.8 110.9	33.03 S 86.70 E
5723.00	0.75	105.21	S 74 47 E	0.37	5721.74	94.3 110.7	33.29 S 88.17 E
5817.00	0.57	106.08	S 73 55 E	0.19	5815.74	95.3 110.6	33.59 S 89.22 E
5911.00	0.24	83.93	N 83 56 E	0.39	5909.74	96.0 110.6	33.69 S 89.86 E
6005.00	0.25	306.07	N 53 56 W	0.48	6003.73	95.9 110.5	33.56 S 89.89 E
6100.00	0.33	315.67	N 44 20 W	0.11	6098.73	95.5 110.4	33.24 S 89.53 E
6194.00	0.65	288.70	N 71 18 W	0.40	6192.73	94.7 110.3	32.87 S 88.84 E
6288.00	1.00	273.51	N 86 29 W	0.44	6286.72	93.4 110.5	32.65 S 87.52 E
6382.00	1.02	268.35	S 88 21 W	0.10	6380.71	91.9 110.8	32.63 S 85.86 E
6476.00	1.10	270.62	N 89 23 W	0.10	6474.69	90.2 111.2	32.64 S 84.13 E

A Gyrodata Directional Survey

Parallel Petroleum

Lease: Box Top Federal Well: No. 1921-1, 4-1/2" Drillpipe

Location: Patriot Drilling Rig 1, Eddy County, New Mexico

Job Number: MD1105G_250

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
6571.00	1.10	266.83	S 86 50 W	0.08	6569.67	88.6 111.7	32.68 S 82.31 E
6602.00	1.29	264.74	S 84 45 W	0.63	6600.67	88.0 111.8	32.73 S 81.66 E
6633.00	1.38	266.50	S 86 30 W	0.33	6631.66	87.3 112.0	32.78 S 80.94 E
6727.00	1.38	268.46	S 88 28 W	0.05	6725.63	85.3 112.7	32.88 S 78.67 E
6821.00	1.27	254.74	S 74 44 W	0.36	6819.60	83.4 113.4	33.19 S 76.53 E
6915.00	1.26	244.82	S 64 49 W	0.23	6913.58	81.9 114.4	33.90 S 74.60 E
7009.00	1.12	248.90	S 68 54 W	0.17	7007.56	80.6 115.5	34.67 S 72.80 E
7104.00	1.02	266.19	S 86 12 W	0.35	7102.55	79.3 116.3	35.06 S 71.09 E
7198.00	0.84	262.38	S 82 23 W	0.21	7196.53	78.0 116.8	35.21 S 69.57 E
7292.00	0.60	265.14	S 85 8 W	0.26	7290.53	77.0 117.3	35.34 S 68.40 E
7388.00	0.65	215.31	S 35 18 W	0.55	7386.52	76.5 117.9	35.83 S 67.59 E
7482.00	0.90	188.15	S 8 9 W	0.47	7480.51	76.7 118.8	37.00 S 67.17 E
7577.00	0.90	184.17	S 4 10 W	0.07	7575.50	77.3 119.9	38.48 S 67.01 E
7595.00	0.92	184.25	S 4 15 W	0.11	7593.50	77.4 120.1	38.77 S 66.99 E

Final Station Closure: Distance: 77.40 ft Az: 120.06 deg.