

Please Serial No.

NM NM 105853

6. If Indian, Allottee or Tribe Name
 7. Unit or CA Agreement Name and No.
 8. Lease Name and Well No.
 JUKE BOX 1921-10 FEDERAL 1Y
 9. API Well No.
 30-015-35026 35347
 10. Field and Pool, or Exploratory
 FOUR MILE DRAW, WOLF CAMP
 11. Sec., T., R., M., or Block and Survey or Area
 SEC 10, T19S, R21E
 12. County or Parish
 DDY
 13. State
 NM
 14. Elevations (DF, RKB, RT, GL)*
 GR: 4324
 Log Set: MD
 TVD
☒ No ☐ Yes (Submit analysis)
☐ No ☐ Yes (Submit report)
☐ No ☒ Yes (Submit copy)

[illegible]

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8	4470	NA						

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFAMP	TD: 4550	7313	4550-4992	0.54	36	OPEN
B)	MD: 4340	4320	5200-5723	0.54	36	OPEN
C)			6100-6623	0.54	36	OPEN
D)			6880-7313	0.54	36	OPEN

Depth Interval	Amount and Type of Material
4550-7313	ERAC W/15% ACID, SLICK WATER, 20/40 & 30/70 SAND

Date First Produced 01-25-07	Test Date 01-25-07	Hours Tested 24	Test Production →	Oil BBL 0	Gas MCF 3088	Water BBL 51	Oil Gravity Corr. API	Gas Gravity	Production Method FLOWING
Choke Size 32/64	Tbg. Press. Fwlg. SI	Csg. Press. 800	24 Hr. →	Oil BBL 0	Gas MCF 3088	Water BBL 51	Gas: Oil Ratio	Well Status PRODUCING	

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Mcas. Depth
GLORIETA	1780				
TUEB	2770				
ABO	3407				
WOLF CAMP	4354				

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: **NSL LETTER OF APPROVED DATED 01-22-07**

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) KAYE MC CORMICK

Title SR PROD & REG TECH

Signature

Kaye McCormick

Date 03-21-2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

A Gyrodata Directional Survey

Field Copy Only, not definitive

for

PARALLEL PETROLEUM

Location: PATRIOT 1, EDDY COUNTY, NEW MEXICO

Lease: JUKE BOX 1921-10 Well: FEDERAL #1-Y, 4-1/2" DRILLPIPE

Job Number: MD1106G_309

Run Date: 1/31/2000 5:54:11 AM

Surveyor: THOMAS BOWDEN

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 34.670556 deg. N Longitude: 104.778889 deg. W

Azimuth Correction:

Gyro: Bearings are Relative to True North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

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Job Number: MD1106G_309

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.00	0.00	0.0 0.0	0.00 N 0.00 E
0 TO 7545" FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATRIOT #1 R.K.B.						
100.00	0.24	4.01	0.24	100.00	0.2 4.0	0.21 N 0.01 E
200.00	0.29	308.43	0.25	200.00	0.6 343.5	0.58 N 0.17 W
300.00	0.29	308.38	0.00	300.00	1.1 327.5	0.89 N 0.57 W
400.00	0.62	272.33	0.42	399.99	1.7 309.4	1.08 N 1.31 W
500.00	0.66	262.35	0.12	499.99	2.6 292.9	1.02 N 2.41 W
600.00	0.68	295.71	0.38	599.98	3.7 288.8	1.20 N 3.52 W
700.00	0.26	125.42	0.94	699.98	4.1 288.9	1.33 N 3.87 W
820.40	0.83	115.28	0.48	820.37	3.0 285.6	0.80 N 2.86 W
915.68	1.13	111.37	0.32	915.64	1.4 276.7	0.16 N 1.36 W
1010.96	1.40	84.48	0.68	1010.90	0.7 95.9	0.07 S 0.68 E
1106.24	1.57	104.16	0.56	1106.15	3.1 95.1	0.28 S 3.11 E
1201.52	1.50	107.22	0.11	1201.39	5.7 99.9	0.97 S 5.57 E
1296.80	1.73	102.42	0.28	1296.63	8.3 101.4	1.65 S 8.16 E
1392.08	1.00	87.61	0.84	1391.89	10.6 100.5	1.92 S 10.40 E
1487.36	0.84	87.66	0.17	1487.15	12.1 98.8	1.86 S 11.93 E
1582.64	0.42	64.03	0.51	1582.43	13.0 97.4	1.67 S 12.94 E
1677.92	0.38	351.86	0.50	1677.71	13.3 95.2	1.20 S 13.21 E
1773.20	0.60	337.65	0.26	1772.98	13.0 91.9	0.43 S 12.97 E
1868.48	0.76	320.79	0.27	1868.26	12.4 87.6	0.52 N 12.39 E

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Job Number: MD1106G_309

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg/ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
1963.76	0.87	317.82	0.13	1963.53	11.6 82.3	1.54 N 11.50 E
2059.04	1.05	305.25	0.29	2058.79	10.6 75.9	2.59 N 10.30 E
2154.32	1.30	304.18	0.26	2154.05	9.4 67.0	3.70 N 8.69 E
2249.60	0.96	301.25	0.36	2249.31	8.5 56.5	4.71 N 7.12 E
2344.88	0.87	305.67	0.11	2344.58	8.1 46.5	5.55 N 5.85 E
2440.16	0.78	309.16	0.11	2439.85	8.0 36.7	6.38 N 4.76 E
2535.44	0.64	311.76	0.15	2535.13	8.1 28.4	7.14 N 3.87 E
2630.72	0.57	318.67	0.10	2630.40	8.5 21.9	7.85 N 3.16 E
2726.00	0.49	313.89	0.09	2725.68	8.9 16.7	8.49 N 2.55 E
2821.28	0.36	306.00	0.15	2820.95	9.2 12.7	8.95 N 2.01 E
2916.56	0.58	277.76	0.33	2916.23	9.3 8.0	9.19 N 1.29 E
3011.84	0.67	266.57	0.16	3011.50	9.2 1.6	9.22 N 0.25 E
3107.12	0.67	272.05	0.07	3106.78	9.3 354.6	9.21 N 0.87 W
3202.40	0.67	299.08	0.33	3202.05	9.7 348.6	9.50 N 1.91 W
3297.68	0.54	331.01	0.37	3297.33	10.5 345.6	10.17 N 2.62 W
3392.96	0.70	348.51	0.26	3392.60	11.5 345.1	11.13 N 2.95 W
3488.24	1.38	349.27	0.71	3487.86	13.2 345.7	12.83 N 3.28 W
3583.52	4.96	352.50	3.76	3582.98	18.5 347.4	18.04 N 4.03 W
3678.80	7.51	2.45	2.90	3677.70	28.7 351.4	28.34 N 4.30 W
3774.08	8.30	3.47	0.84	3772.07	41.6 355.0	41.43 N 3.62 W
3869.36	8.35	4.48	0.16	3866.34	55.3 357.2	55.19 N 2.66 W
3964.64	9.50	0.85	1.34	3960.47	70.0 358.4	69.95 N 2.01 W
4059.92	9.32	1.18	0.20	4054.47	85.5 358.8	85.52 N 1.73 W

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Lease: JUKE BOX 1921-10 Well: FEDERAL #1-Y, 4-1/2" DRILLPIPE

Job Number: MD1106G_309

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLE SEVERITY deg/ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4155.20	8.51	0.52	0.86	4148.60	100.3 359.1	100.27 N 1.51 W
4250.48	8.20	0.10	0.32	4242.87	114.1 359.3	114.12 N 1.43 W
4345.76	7.67	0.32	0.56	4337.23	127.3 359.4	127.27 N 1.39 W
4441.04	7.42	1.50	0.31	4431.69	139.8 359.5	139.79 N 1.19 W
4536.32	6.69	1.49	0.77	4526.25	151.5 359.7	151.48 N 0.89 W
4631.60	5.60	3.60	1.17	4620.98	161.7 359.8	161.67 N 0.45 W
4726.88	5.40	3.81	0.21	4715.82	170.8 0.0	170.78 N 0.14 E
4822.16	5.04	5.65	0.42	4810.71	179.4 0.3	179.41 N 0.85 E
4917.44	4.75	4.68	0.31	4905.64	187.5 0.5	187.51 N 1.58 E
5012.72	4.38	4.13	0.39	5000.62	195.1 0.6	195.07 N 2.17 E
5108.00	4.11	359.68	0.44	5095.63	202.1 0.7	202.11 N 2.41 E
5203.28	4.87	4.62	0.89	5190.62	209.6 0.7	209.56 N 2.72 E
5298.56	5.27	11.08	0.74	5285.53	217.9 1.0	217.89 N 3.88 E
5393.84	4.79	10.55	0.51	5380.44	226.2 1.4	226.10 N 5.45 E
5489.12	4.14	11.33	0.68	5475.43	233.5 1.7	233.38 N 6.86 E
5584.40	4.13	10.79	0.04	5570.46	240.3 2.0	240.13 N 8.18 E
5679.68	3.93	9.46	0.24	5665.51	246.9 2.2	246.72 N 9.36 E
5774.96	3.39	6.11	0.61	5760.59	252.9 2.3	252.74 N 10.19 E
5870.24	2.84	358.81	0.71	5855.73	258.1 2.3	257.91 N 10.44 E
5965.52	2.08	8.39	0.91	5950.92	262.2 2.3	261.98 N 10.65 E
6060.80	1.68	5.72	0.42	6046.15	265.3 2.4	265.08 N 11.04 E
6156.08	1.67	7.74	0.06	6141.39	268.1 2.4	267.84 N 11.36 E
6251.36	1.64	15.34	0.23	6236.63	270.8 2.5	270.53 N 11.91 E

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Job Number: MD1106G_309

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DI ST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
6346.64	1.43	6.04	0.34	6331.88	273.3 2.6	273.02 N 12.39 E
6441.92	1.07	0.34	0.40	6427.14	275.4 2.6	275.09 N 12.53 E
6537.20	1.01	355.74	0.11	6522.40	277.1 2.6	276.82 N 12.47 E
6632.48	1.12	351.29	0.15	6617.66	278.9 2.5	278.58 N 12.26 E
6727.76	0.97	345.17	0.20	6712.93	280.5 2.4	280.29 N 11.92 E
6823.04	1.02	329.98	0.28	6808.19	282.0 2.3	281.80 N 11.29 E
6918.32	1.07	328.36	0.06	6903.46	283.5 2.1	283.29 N 10.39 E
7013.60	1.28	340.29	0.34	6998.72	285.2 1.9	285.05 N 9.57 E
7108.88	1.35	337.86	0.09	7093.97	287.2 1.8	287.10 N 8.78 E
7204.16	1.60	336.75	0.26	7189.22	289.5 1.6	289.36 N 7.84 E
7299.44	1.70	348.97	0.38	7284.46	292.0 1.4	291.96 N 7.04 E
7394.72	2.87	15.08	1.61	7379.67	295.7 1.4	295.65 N 7.39 E
7490.00	3.53	354.97	1.35	7474.80	301.0 1.5	300.87 N 7.76 E
7521.00	3.90	347.40	1.99	7505.74	302.9 1.4	302.85 N 7.44 E
7545.00	4.34	342.75	2.30	7529.67	304.6 1.3	304.51 N 7.00 E

Final Station Closure: Distance: 304.59 ft Az: 1.32 deg.