

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-005-63919
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: CHARISMATIC 1525-5
8. Well Number 1
9. OGRID Number 230387
10. Pool name or Wildcat WALNUT CREEK, WOLFECAMP GAS POOL 97631

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" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other	SEP 22 2008 OCD-ARTESIA
2. Name of Operator PARALLEL PETROLEUM CORPORATION	
3. Address of Operator 1004 N BIG SPRING, SUITE 400, MIDLAND, TX 79701	
4. Well Location Unit Letter <u>I</u> : <u>760</u> feet from the <u>NORTH</u> line and <u>208</u> feet from the <u>EAST</u> line Section <u>5</u> Township <u>15S</u> Range <u>25E</u> NMPM County <u>CHAVES</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GR: 3552	
Pit or Below-grade Tank Application ☐ or Closure ☐	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☒	
OTHER: ☐		OTHER: PROD CSG, SUREYS, MUD LOG ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

08-27-08: TD @ 8387' MD
08-29-08: RUN 5.5" CSG, 17# & 20#, SET @ 8043'
LEAD: 550 SX HALLIBURTON INTERFILL C + 1/8# POLY-E-FLAKE, 11.9 PPG, 2.47 YLD
TAIL: 450 SX ACID SOLUBLE W/10# SILICILITE + 0.7% HALAD-344 + 1/4# DAIR + 0.7%
HR-601, 15.02 PPG, 2.62 YLD, 105 CENTRALIZERS
TOC: 121 BBL CIRCULATED TO SURFACE
WOC: 8 HOUR TEST CSG TO 1500 PSI, 30 MINUTES
GYRODATA SURVEY, PATHFINDER MWD SURVEY & MONEESE MUD LOG ENCLOSED. NO ELECTRIC LOGS RUN.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Kaye McCormick TITLE SR PROD & REG TECH DATE 09-19-2008
E-mail address: kmccormick@plll.com
Type or print name KAYE MC CORMICK Telephone No. 432-685-6563

For State Use Only

APPROVED BY _____ TITLE Accepted for record DATE _____
Conditions of Approval, if any: NMOCD

A Gyrodata Directional Survey

Field Copy Only, not definitive

for

PARALLEL PETROLEUM

Location: PATRIOT RIG # 1, CHAVES COUNTY, NEW MEXICO

Lease: CHARISMATIC 1525-5 Well: #1, 4-1/2 DRILLPIPE

Job Number: MD0808GW342

Run Date: 8/18/2008 12:34:52 PM

Surveyor: JAMES KING
JUNIOR PENA

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 33.049870 deg. N Longitude: 104.457080 deg. W

Azimuth Correction:
Gyro: 0.07000 deg East to Grid North

Proposed Well Direction: 269.700 deg

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

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Location: PATRIOT RIG # 1, CHAVES COUNTY, NEW MEXICO

Lease: CHARISMATIC 1525-5 Well: #1, 4-1/2 DRILLPIPE

Job Number: MD0808GW342

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.0	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0 - 4200 ft RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2 DRILLPIPE							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATRIOT RIG 1 RKB +13							

100.00	0.49	182.25	0.0	0.49	100.00	0.4 182.2	0.43 S 0.02 W
200.00	0.79	195.82	0.2	0.34	199.99	1.5 188.3	1.52 S 0.22 W
300.00	1.07	194.82	0.7	0.27	299.98	3.2 191.9	3.09 S 0.65 W
400.00	1.03	193.11	1.1	0.05	399.96	5.0 192.7	4.86 S 1.09 W
500.00	1.13	194.10	1.6	0.10	499.94	6.9 192.9	6.69 S 1.53 W
600.00	1.10	195.52	2.1	0.04	599.93	8.8 193.3	8.57 S 2.03 W
700.00	0.94	193.21	2.5	0.17	699.91	10.6 193.5	10.30 S 2.48 W
800.00	0.65	171.33	2.6	0.42	799.90	11.9 192.5	11.65 S 2.58 W
900.00	0.63	173.76	2.5	0.03	899.89	13.0 190.8	12.75 S 2.43 W
1000.00	0.73	174.29	2.4	0.10	999.89	14.1 189.4	13.93 S 2.31 W
1100.00	0.65	168.51	2.2	0.10	1099.88	15.3 188.0	15.12 S 2.14 W
1200.00	0.59	178.47	2.1	0.13	1199.87	16.3 187.1	16.19 S 2.01 W
1300.00	0.74	183.00	2.1	0.17	1299.87	17.5 186.7	17.34 S 2.03 W
1400.00	0.85	194.03	2.3	0.18	1399.86	18.8 186.8	18.71 S 2.24 W
1500.00	0.70	196.42	2.7	0.15	1499.85	20.2 187.4	20.01 S 2.59 W
1600.00	0.84	198.39	3.1	0.15	1599.84	21.5 188.0	21.29 S 3.00 W
1700.00	0.78	198.19	3.6	0.07	1699.83	22.9 188.6	22.62 S 3.44 W
1800.00	0.57	183.91	3.8	0.27	1799.82	24.0 188.8	23.76 S 3.68 W
1900.00	0.43	184.02	3.9	0.14	1899.82	24.9 188.6	24.63 S 3.74 W
2000.00	0.09	193.00	3.9	0.34	1999.82	25.4 188.6	25.08 S 3.79 W

A Gyrodata Directional Survey

PARALLEL PETROLEUM

Location: PATRIOT RIG # 1, CHAVES COUNTY, NEW MEXICO

Lease: CHARISMATIC 1525-5 Well: #1, 4-1/2 DRILLPIPE

Job Number: MD0808GW342

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
2100.00	0.06	318.34	4.0	0.14	2099.82	25.4 188.7	25.12 S 3.84 W
2200.00	0.27	323.14	4.2	0.21	2199.82	25.2 189.2	24.89 S 4.02 W
2300.00	0.32	355.96	4.3	0.17	2299.82	24.8 189.7	24.42 S 4.18 W
2400.00	0.46	1.16	4.3	0.15	2399.81	24.1 190.0	23.74 S 4.19 W
2500.00	0.53	341.09	4.5	0.19	2499.81	23.3 190.7	22.90 S 4.34 W
2600.00	0.52	340.57	4.8	0.02	2599.81	22.5 191.9	22.04 S 4.64 W
2700.00	0.51	340.57	5.0	0.00	2699.80	21.8 193.1	21.19 S 4.94 W
2800.00	0.57	340.66	5.4	0.06	2799.80	21.0 194.5	20.30 S 5.25 W
2900.00	0.50	338.99	5.7	0.07	2899.79	20.2 196.0	19.42 S 5.57 W
3000.00	0.47	335.93	6.0	0.04	2999.79	19.5 197.6	18.63 S 5.90 W
3100.00	0.56	333.94	6.4	0.09	3099.79	18.9 199.4	17.81 S 6.28 W
3200.00	0.42	348.27	6.7	0.19	3199.78	18.2 201.1	17.01 S 6.58 W
3300.00	0.54	351.34	6.8	0.12	3299.78	17.5 202.6	16.18 S 6.72 W
3400.00	0.60	6.10	6.8	0.16	3399.77	16.6 203.9	15.19 S 6.74 W
3500.00	0.36	12.89	6.7	0.24	3499.77	15.8 204.7	14.36 S 6.61 W
3600.00	0.52	24.96	6.4	0.18	3599.77	15.0 205.0	13.64 S 6.35 W
3700.00	0.69	47.49	5.8	0.29	3699.76	14.0 204.0	12.82 S 5.71 W
3800.00	0.81	53.37	4.8	0.14	3799.75	12.9 201.4	11.99 S 4.70 W
3900.00	1.24	64.78	3.2	0.48	3899.74	11.5 195.8	11.11 S 3.15 W
4000.00	1.56	67.48	1.0	0.32	3999.71	10.2 185.1	10.12 S 0.91 W
4100.00	1.50	77.88	-1.6	0.28	4099.67	9.5 170.1	9.33 S 1.63 E
4200.00	1.56	75.03	-4.2	0.09	4199.64	9.7 154.1	8.70 S 4.22 E

Final Station Closure: Distance: 9.67 ft Az: 154.12 deg.

Survey Report

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: Parallel Petroleum
WELL: Charismatic 1525-5
LOCATION: Chaves Co. NM

START: 8/18/2008
FINISH:
JOB #: 101007774WTWT

TIE-IN PROVIDED BY: Gyrodata

Target Direction 269.7

MAG TO GRID: 8.45

STATION SURVEY								DLS/ 100	BUILD RATE	TURN RATE
NUMBER	DEPTH	INC	AZ	TVD	N-S	E-W	VS			
Tie In	4200	1.56	75.03	4199.64	-8.78	4.22	-4.18			
1	4274	1.32	47.06	4273.62	-7.94	5.82	-5.78	1.0	-0.32	-37.8
2	4305	2.73	286.38	4304.61	-7.49	5.37	-5.33	11.6	4.55	772.0
3	4337	6.77	270.58	4336.49	-7.25	2.75	-2.71	13.2	12.63	-49.4
4	4369	10.73	267.10	4368.11	-7.39	-2.11	2.15	12.5	12.38	-10.9
5	4401	14.86	266.50	4399.31	-7.79	-9.19	9.23	12.9	12.91	-1.9
6	4433	19.26	267.42	4429.90	-8.27	-18.56	18.60	13.8	13.75	2.9
7	4464	23.13	268.68	4458.79	-8.65	-29.76	29.80	12.6	12.48	4.1
8	4496	27.17	270.40	4487.75	-8.74	-43.35	43.40	12.8	12.63	5.4
9	4528	31.48	270.89	4515.65	-8.56	-59.02	59.06	13.5	13.47	1.5
10	4560	35.79	271.38	4542.28	-8.20	-76.74	76.78	13.5	13.47	1.5
11	4592	39.22	271.11	4567.66	-7.78	-96.21	96.25	10.7	10.72	-0.8
12	4623	42.56	270.61	4591.10	-7.48	-116.50	116.54	10.8	10.77	-1.6
13	4655	46.08	269.91	4613.99	-7.38	-138.85	138.89	11.1	11.00	-2.2
14	4687	49.68	269.13	4635.45	-7.59	-162.58	162.62	11.4	11.25	-2.4
15	4719	53.29	268.94	4655.37	-8.01	-187.61	187.65	11.3	11.28	-0.6
16	4751	56.81	269.35	4673.70	-8.40	-213.84	213.88	11.0	11.00	1.3
17	4783	59.71	270.08	4690.53	-8.53	-241.05	241.09	9.3	9.06	2.3
18	4814	63.08	270.48	4705.37	-8.40	-268.26	268.30	10.9	10.87	1.3
19	4845	65.86	270.88	4718.73	-8.06	-296.23	296.26	9.0	8.97	1.3
20	4876	68.68	270.39	4730.71	-7.75	-324.81	324.85	9.2	9.10	-1.6
21	4907	71.31	270.08	4741.31	-7.63	-353.94	353.98	8.5	8.48	-1.0
22	4937	72.02	269.71	4750.75	-7.68	-382.42	382.45	2.6	2.37	-1.2
23	4968	73.42	269.41	4759.96	-7.91	-412.02	412.05	4.6	4.52	-1.0
24	5000	76.50	269.71	4768.26	-8.15	-442.92	442.95	9.7	9.62	0.9
25	5031	80.11	270.85	4774.54	-8.00	-473.27	473.30	12.2	11.65	3.7
26	5061	84.77	271.30	4778.49	-7.44	-502.99	503.02	15.6	15.53	1.5
27	5092	88.72	270.62	4780.25	-6.92	-533.93	533.96	12.9	12.74	-2.2
EOC	5123	91.80	268.89	4780.11	-7.05	-564.93	564.95	11.4	9.94	-5.6

Survey Report

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: Parallel Petroleum
WELL: Charismatic 1525-5
LOCATION: Chaves Co. NM

START: 8/18/2008
FINISH:
JOB #: 101007774WTWT

TIE-IN PROVIDED BY: Gyrodata

Target Direction 269.7

MAG TO GRID: 8.45

STATION SURVEY								DLS/ 100	BUILD RATE	TURN RATE
NUMBER	DEPTH	INC	AZ	TVD	N-S	E-W	VS			
29	5154	91.98	267.98	4779.08	-7.90	-595.90	595.93	3.0	0.58	-2.9
30	5185	91.63	267.97	4778.11	-8.99	-626.86	626.90	1.1	-1.13	0.0
31	5278	91.98	268.28	4775.18	-12.03	-719.77	719.82	0.5	0.38	0.3
32	5370	91.71	268.14	4772.22	-14.91	-811.67	811.74	0.3	-0.29	-0.2
33	5463	92.07	268.23	4769.15	-17.85	-904.58	904.66	0.4	0.39	0.1
34	5556	87.67	266.32	4769.36	-22.27	-997.44	997.55	5.2	-4.73	-2.1
35	5649	87.76	266.55	4773.07	-28.05	-1090.19	1090.32	0.3	0.10	0.2
36	5741	88.37	266.99	4776.17	-33.23	-1181.99	1182.15	0.8	0.66	0.5
37	5837	89.78	269.64	4777.72	-36.05	-1277.93	1278.10	3.1	1.47	2.8
38	5932	89.08	269.50	4778.67	-36.76	-1372.92	1373.09	0.8	-0.74	-0.1
39	6027	91.71	269.75	4778.02	-37.39	-1467.90	1468.08	2.8	2.77	0.3
40	6123	90.84	269.18	4775.88	-38.28	-1563.88	1564.05	1.1	-0.91	-0.6
41	6218	90.22	268.53	4775.00	-40.18	-1658.85	1659.04	0.9	-0.65	-0.7
42	6314	91.71	269.02	4773.38	-42.23	-1754.81	1755.01	1.6	1.55	0.5
43	6409	91.80	268.93	4770.47	-43.93	-1849.75	1849.96	0.1	0.09	-0.1
44	6504	92.15	269.97	4767.20	-44.84	-1944.69	1944.90	1.2	0.37	1.1
45	6600	91.54	269.22	4764.11	-45.52	-2040.64	2040.85	1.0	-0.64	-0.8
46	6695	93.12	269.48	4760.25	-46.60	-2135.55	2135.76	1.7	1.66	0.3
47	6790	92.24	268.27	4755.80	-48.46	-2230.42	2230.65	1.6	-0.93	-1.3
48	6886	92.15	268.57	4752.13	-51.11	-2326.32	2326.55	0.3	-0.09	0.3
49	6981	91.98	268.06	4748.70	-53.90	-2421.21	2421.46	0.6	-0.18	-0.5
50	7076	92.59	268.18	4744.92	-57.01	-2516.09	2516.35	0.7	0.64	0.1
51	7171	90.92	268.44	4742.01	-59.81	-2611.00	2611.28	1.8	-1.76	0.3
52	7267	92.77	269.28	4738.92	-61.72	-2706.92	2707.21	2.1	1.93	0.9
53	7362	92.24	270.61	4734.76	-61.81	-2801.83	2802.12	1.5	-0.56	1.4
54	7457	92.33	271.72	4730.98	-59.88	-2896.73	2897.01	1.2	0.09	1.2
TIE IN	7553	87.93	268.09	4730.76	-60.04	-2992.69	2992.97	5.9	-4.58	-3.8
1	7648	93.56	271.29	4729.52	-60.56	-3087.63	3087.91	6.8	5.93	3.4
2	7743	93.83	271.34	4723.40	-58.38	-3182.41	3182.67	0.3	0.28	0.1
3	7839	91.01	270.65	4719.35	-56.72	-3278.30	3278.55	3.0	-2.94	-0.7
4	7934	89.53	270.42	4718.90	-55.83	-3373.29	3373.54	1.6	-1.56	-0.2
5	8029	88.72	270.06	4720.35	-55.43	-3468.28	3468.52	0.9	-0.85	-0.4
6	8125	90.75	270.99	4720.80	-54.55	-3564.27	3564.51	2.3	2.11	1.0
7	8220	89.52	270.41	4720.57	-53.39	-3659.26	3659.49	1.4	-1.29	-0.6
8	8315	91.54	271.55	4719.69	-51.77	-3754.24	3754.46	2.4	2.13	1.2
Proj-Bit	8387	91.54	271.55	4717.76	-49.82	-3826.18	3826.39	0.0	0.00	0.0