

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

2. Name of Operator

PARALLEL PETROLEUM CORPORATION

3. Address

1004 N BIG SPRING, SUITE 400, MIDLAND, TX 79701

3a. Phone No. (include area code)

432-685-6583

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 660 ENL & 660 FEL

At top prod. interval reported below 694 ENL & 885 FEL

At total depth 755 ENL & 843 FWL

14. Date Spudded

10-20-2006

15. Date T.D. Reached

11-13-2006

16. Date Completed

☐ D & A☒ Ready to Prod.

03-07-07

17. Elevations (DF, RKB, RT, GL)*

GR: 4264

18. Total Depth: MD

7655

TVD

4070

19. Plug Back T.D.: MD

7612

TVD

4070

20. Depth Bridge Plug Set: MD

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

PLATFORM EXPRESS/THREE DETECTOR LITHO-DENSITY/CN/HNGS

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run ☒ No ☐ Yes (Submit report)Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11	8.625J55	24	0	1520		680 SX		850	
7.875	5.5/I80	17	0	7655		945 SX		SURF	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8	4445							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLF CAMP:	TVD: 4072	4133	4370-4923	0.42	36	OPEN
B)			5160-5603	0.42	36	OPEN
C)			5820-6263	0.42	36	OPEN
D)			6680-7582	0.42	36	OPEN

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4370 - 7582	FRAC W/15% NEEF ACID, SLICK WATER, 20/40 & 30/70 SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03-07-07	03-07-07	24	→	0	966	24		.679	FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
24/64	300	400	→	0	966	24		PRODUCING	

28a. Production-Interval B

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. SI	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

28b. Production - Interval C

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	

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
					Meas. Depth
GLORIETA	1740				
TUES	2656				
ABO	3298				
WOLF CAMP	4204				

32. Additional remarks (include plugging procedure):

PLATFORM EXPRESS THREE DETECTOR LITHO-DENSITY/CN/HGNS TO NMCD W/PKG.

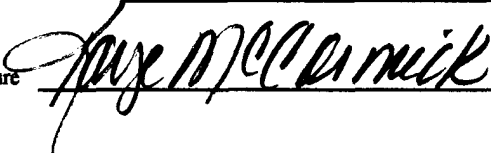
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
☐ Core Analysis
☐ Other:

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 CORMICKTitle SR PROD & REG TECH

Signature


Date 04-17-2007

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.

HANNAH 33 FED #4 - GYRO.txt

° S C I E N T I F I C D R I L L I N G C O N T R O L S °
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%
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KEEPER GYRO SURVEY

Directional Survey Report

for

UAAA;
3 PARALLEL PETROLEUM 3
3
AAU

Well Number : HANNAH 33 FED #4
Well Location : EDDY COUNTY, NEW MEXICO
Job Number : 32K1106895
Location Latitude : 32.709
Survey Date : 1-NOV-2006
S.D.C. Personnel : TL REHDEERS
Length Units : Feet
North Reference : TRUE North
Grid Correction : 0.00 Degrees
Survey Depth Zero : RKB
Proposal Direction : 270.00
Calculation Method : Minimum Curvature

Remarks : The OUTRUN Survey will be called definitive

° S C I E N T I F I C D R I L L I N G C O N T R O L S °
»
%
°

Outrun Survey

for

PARALLEL PETROLEUM

Page 1

Well No.: HANNAH 33 FED #4

Date : 1-NOV-2006

Job No. : 32K1106895

TRUE

Proposal : 270.00

Depth T.V.D. V.S. Inc Azimuth Latitude Departure D-leg
(Feet) (Feet) (Feet) Deg. Deg. (Feet) (Feet) /100

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	99.99	0.94	1.20	296.68	0.47	-0.94	1.20
200.00	199.97	2.63	1.03	301.82	1.41	-2.63	0.20
300.00	299.96	4.10	0.82	280.92	2.02	-4.10	0.39
400.00	399.95	5.54	0.85	275.46	2.23	-5.54	0.09
500.00	499.94	7.18	1.03	272.98	2.35	-7.18	0.18

Page 1

HANNAH 33 FED #4 - GYRO.txt

600.00	599.92	8.99	1.10	288.33	2.70	-8.99	0.29
700.00	699.89	11.13	1.42	276.99	3.15	-11.13	0.40
800.00	799.84	14.29	2.31	287.03	3.89	-14.29	0.94
900.00	899.73	18.89	3.08	272.72	4.61	-18.89	1.02
1000.00	999.59	24.27	3.10	274.74	4.96	-24.27	0.11
1100.00	1099.45	29.45	2.84	270.61	5.21	-29.45	0.34
1200.00	1199.35	33.94	2.39	255.50	4.71	-33.94	0.82
1300.00	1299.27	37.84	2.19	259.64	3.85	-37.84	0.26
1400.00	1399.20	41.29	1.83	259.33	3.21	-41.29	0.36
1500.00	1499.16	44.32	1.69	263.26	2.74	-44.32	0.18
1600.00	1599.12	46.80	1.21	253.63	2.27	-46.80	0.54
1700.00	1699.10	48.92	1.29	258.85	1.75	-48.92	0.14
1800.00	1799.08	50.94	1.12	250.35	1.21	-50.94	0.25
1900.00	1899.06	52.82	1.16	251.76	0.56	-52.82	0.05
2000.00	1999.04	54.70	1.11	251.07	-0.07	-54.70	0.05
2100.00	2099.02	56.53	1.13	247.14	-0.77	-56.53	0.08
2200.00	2199.00	58.11	1.07	226.23	-1.80	-58.11	0.40
2300.00	2298.99	59.37	0.93	226.55	-3.00	-59.37	0.14
2400.00	2398.97	60.51	0.97	220.16	-4.21	-60.51	0.11
2500.00	2498.96	61.62	0.98	221.36	-5.49	-61.62	0.02
2600.00	2598.94	62.77	1.00	222.56	-6.78	-62.77	0.03
2700.00	2698.93	63.80	0.66	229.05	-7.80	-63.80	0.35
2800.00	2798.93	64.62	0.46	257.13	-8.27	-64.62	0.33
2900.00	2898.93	65.25	0.29	251.10	-8.44	-65.25	0.17
3000.00	2998.92	65.72	0.26	261.42	-8.55	-65.72	0.06
3100.00	3098.92	65.81	0.22	43.84	-8.45	-65.81	0.45
3200.00	3198.92	65.49	0.25	59.38	-8.20	-65.49	0.07
3300.00	3298.92	64.93	0.43	89.72	-8.09	-64.93	0.25
3400.00	3398.92	64.44	0.78	170.64	-8.76	-64.44	0.83
3500.00	3498.90	64.29	0.98	177.58	-10.28	-64.29	0.23
3600.00	3598.89	64.14	0.92	171.23	-11.93	-64.14	0.12
3700.00	3698.88	63.70	0.64	146.35	-13.19	-63.70	0.43
3800.00	3798.88	62.95	0.57	117.85	-13.88	-62.95	0.31
3900.00	3898.87	62.16	0.48	123.11	-14.35	-62.16	0.10
4000.00	3998.87	61.51	0.46	129.79	-14.83	-61.51	0.06
4100.00	4098.86	61.09	0.38	161.65	-15.40	-61.09	0.24
4200.00	4198.86	61.12	0.26	215.49	-15.90	-61.12	0.31
4272.00	4270.86	61.59	0.77	230.38	-16.34	-61.59	0.73

The Horizontal Displacement (in Feet) at
 Measured Depth 4272.00 is 63.72 in a Direction of 255.14 Degrees
 ff

Pathfinder

Survey Report

Page 1
Job No: 101005959 WT-WT
Date: 11/13/2006
Time: 9:13 am
Wellpath ID: 1005959
Date Created: 11/2/2006
Last Revision: 11/13/2006

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 270.25 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

Parallel Petroleum
Eddy Co. N.M.
Patterson #144
Hanna 33 FED #4
1005959

KBH:18'
DEC:8.71°

Pathfinder Office Supervisor:
Shawn Cook
Pathfinder Directional Driller:
Brad Long

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
Tied Into Gyro									
3700.00	0.64	146.35	3698.89	0.00	63.64	13.19 S	63.70W	65.05@258.30	0.00
3742.00	7.65	251.80	3740.77	42.00	66.17	14.26 S	66.23W	67.75@257.85	18.68
3773.00	12.75	254.97	3771.27	31.00	71.43	15.79 S	71.50W	73.22@257.54	16.54
3805.00	17.85	255.93	3802.12	32.00	79.59	17.90 S	79.67W	81.66@257.34	15.96
3837.00	21.81	256.72	3832.22	32.00	90.13	20.46 S	90.22W	92.51@257.22	12.40
3868.00	24.97	258.48	3860.67	31.00	102.13	23.09 S	102.24W	104.81@257.27	10.44
3899.00	28.14	261.29	3888.40	31.00	115.77	25.51 S	115.88W	118.65@257.59	11.00
3930.00	31.92	263.23	3915.23	31.00	131.13	27.58 S	131.25W	134.11@258.13	12.59
3962.00	35.79	264.63	3941.80	32.00	148.84	29.45 S	148.97W	151.86@258.82	12.34
3994.00	39.66	265.78	3967.11	32.00	168.34	31.08 S	168.48W	171.32@259.55	12.29
4026.00	43.53	267.01	3991.03	32.00	189.53	32.41 S	189.68W	192.45@260.30	12.36
4057.00	47.40	267.71	4012.77	31.00	211.60	33.42 S	211.75W	214.37@261.03	12.59
4088.00	51.44	268.33	4032.93	31.00	235.12	34.23 S	235.27W	237.75@261.72	13.12
4119.00	55.13	268.94	4051.46	31.00	259.96	34.82 S	260.11W	262.43@262.38	12.01
4150.00	58.65	269.29	4068.39	31.00	285.91	35.22 S	286.07W	288.23@262.98	11.39
4182.00	62.34	269.12	4084.15	32.00	313.75	35.61 S	313.91W	315.92@263.53	11.54
4213.00	66.21	269.03	4097.60	31.00	341.67	36.06 S	341.83W	343.73@263.98	12.49
4244.00	70.00	269.38	4109.16	31.00	370.42	36.45 S	370.56W	372.36@264.38	12.27
4275.00	74.92	269.99	4118.50	31.00	399.97	36.61 S	400.14W	401.81@264.77	15.98
4306.00	79.67	270.17	4125.32	31.00	430.20	36.57 S	430.37W	431.92@265.14	15.33
4338.00	83.80	270.17	4129.92	32.00	461.86	36.48 S	462.03W	463.47@265.49	12.91
4371.00	84.24	269.20	4133.36	33.00	494.68	36.66 S	494.85W	496.20@265.76	3.21
4402.00	84.33	269.47	4136.44	31.00	525.53	37.02 S	525.69W	526.96@265.97	0.91
4434.00	86.61	269.47	4138.97	32.00	557.42	37.31 S	557.59W	558.84@266.17	7.12
4465.00	89.60	269.47	4139.99	31.00	588.40	37.60 S	588.57W	589.77@266.34	9.65
4496.00	91.36	269.59	4139.73	31.00	619.39	37.85 S	619.56W	620.72@266.50	5.69

Pathfinder

Survey Report

Page 2
Date: 11/13/2006
Wellpath ID: 1005959

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
4527.00	91.63	269.82	4138.93	31.00	650.38	38.01 S	650.55W	651.66@266.66	1.14
4559.00	92.51	270.35	4137.77	32.00	682.36	37.96 S	682.53W	683.59@266.82	3.21
4591.00	92.59	270.17	4136.35	32.00	714.33	37.82 S	714.50W	715.50@266.97	0.62
4622.00	92.59	270.26	4134.95	31.00	745.30	37.70 S	745.47W	746.42@267.10	0.29
4652.00	92.42	270.35	4133.63	30.00	775.27	37.54 S	775.44W	776.35@267.23	0.64
4714.00	92.15	270.61	4131.16	62.00	837.22	37.03 S	837.39W	838.20@267.47	0.60
4775.00	91.80	271.14	4129.06	61.00	898.18	36.09 S	898.34W	899.07@267.70	1.04
4837.00	91.28	270.52	4127.39	62.00	960.15	35.20 S	960.31W	960.96@267.90	1.30
4898.00	91.28	269.91	4126.03	61.00	1021.13	34.97 S	1021.30W	1021.90@268.04	1.00
4959.00	90.92	269.38	4124.86	61.00	1082.12	35.35 S	1082.28W	1082.86@268.13	1.05
5020.00	91.10	269.20	4123.79	61.00	1143.10	36.10 S	1143.27W	1143.84@268.19	0.42
5081.00	91.89	268.77	4122.19	61.00	1204.07	37.18 S	1204.24W	1204.81@268.23	1.47
5142.00	92.59	269.12	4119.81	61.00	1265.00	38.30 S	1265.18W	1265.76@268.27	1.28
5202.00	92.07	269.20	4117.37	60.00	1324.94	39.18 S	1325.13W	1325.70@268.31	0.88
5262.00	91.28	269.12	4115.62	60.00	1384.91	40.06 S	1385.09W	1385.67@268.34	1.32
5323.00	90.40	269.03	4114.72	61.00	1445.89	41.05 S	1446.08W	1446.66@268.37	1.45
5382.00	91.89	269.56	4113.54	59.00	1504.86	41.77 S	1505.06W	1505.64@268.41	2.68
5442.00	90.92	268.85	4112.07	60.00	1564.83	42.60 S	1565.03W	1565.61@268.44	2.00
5504.00	91.36	269.03	4110.84	62.00	1626.81	43.75 S	1627.01W	1627.60@268.46	0.77
5566.00	91.45	268.77	4109.32	62.00	1688.77	44.94 S	1688.98W	1689.58@268.48	0.44
5630.00	91.45	268.50	4107.70	64.00	1752.72	46.47 S	1752.94W	1753.56@268.48	0.42
5694.00	91.54	268.06	4106.03	64.00	1816.66	48.39 S	1816.89W	1817.54@268.47	0.70
5758.00	91.71	268.06	4104.21	64.00	1880.59	50.55 S	1880.83W	1881.51@268.46	0.27
5823.00	91.45	267.62	4102.42	65.00	1945.51	53.00 S	1945.76W	1946.48@268.44	0.79
5887.00	91.28	267.10	4100.90	64.00	2009.41	55.95 S	2009.67W	2010.45@268.41	0.85
5952.00	91.63	267.62	4099.25	65.00	2074.31	58.94 S	2074.58W	2075.42@268.37	0.96
6016.00	91.80	267.89	4097.33	64.00	2138.22	61.45 S	2138.50W	2139.38@268.35	0.50
6080.00	90.84	268.06	4095.86	64.00	2202.15	63.71 S	2202.45W	2203.37@268.34	1.52
6144.00	90.31	267.97	4095.22	64.00	2266.10	65.92 S	2266.40W	2267.36@268.33	0.84
6208.00	90.22	269.03	4094.92	64.00	2330.06	67.60 S	2330.38W	2331.36@268.34	1.66
6273.00	90.48	269.29	4094.52	65.00	2395.05	68.55 S	2395.37W	2396.35@268.36	0.57
6337.00	90.75	269.12	4093.84	64.00	2459.04	69.44 S	2459.36W	2460.34@268.38	0.50
6401.00	90.92	268.77	4092.90	64.00	2523.01	70.62 S	2523.35W	2524.33@268.40	0.61
6466.00	91.01	268.50	4091.81	65.00	2587.98	72.17 S	2588.32W	2589.32@268.40	0.44
6563.00	90.75	268.68	4090.32	97.00	2684.93	74.55 S	2685.28W	2686.31@268.41	0.33
6659.00	90.57	268.41	4089.21	96.00	2780.88	76.99 S	2781.24W	2782.30@268.41	0.34
6755.00	91.71	269.64	4087.30	96.00	2876.83	78.62 S	2877.20W	2878.28@268.43	1.75
6851.00	91.45	269.38	4084.66	96.00	2972.79	79.44 S	2973.16W	2974.22@268.47	0.38
6947.00	91.10	268.94	4082.52	96.00	3068.75	80.85 S	3069.13W	3070.19@268.49	0.59
7044.00	91.36	269.82	4080.44	97.00	3165.71	81.90 S	3166.10W	3167.16@268.52	0.95
7140.00	91.28	269.73	4078.23	96.00	3261.68	82.28 S	3262.07W	3263.11@268.56	0.13
7237.00	90.92	268.85	4076.36	97.00	3358.65	83.48 S	3359.05W	3360.08@268.58	0.98
7333.00	90.22	266.83	4075.41	96.00	3454.55	87.10 S	3454.97W	3456.07@268.56	2.23
7398.00	90.92	268.77	4074.76	65.00	3519.49	89.59 S	3519.91W	3521.05@268.54	3.17
7494.00	91.10	268.77	4073.07	96.00	3615.44	91.65 S	3615.88W	3617.04@268.55	0.19
7591.00	91.01	268.59	4071.28	97.00	3712.39	93.89 S	3712.83W	3714.02@268.55	0.21

Straight line projection to bit

Pathfinder
Survey Report

Page 3
Date: 11/13/2006
Wellpath ID: 1005959

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
7655.00	91.01	268.59	4070.16	64.00	3776.35	95.46 S	3776.80W	3778.01@268.55	0.00