

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA
MAY 29 2007
OCD - ARTESIA, NM

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)
432-685-6563

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **818 FSL & 459 FEL**
At top prod. interval reported below **848 FSL & 708 FEL (C-102 DATED 2-06-07 COPY ATTACHED)**
At total depth **913 FSL & 700 FWL**

5. Lease Serial No.
NM NM 108921

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
DUKE 4 FEDERAL #2

9. API Well No.
30-015-35120

10. Field and Pool, or Exploratory
WOLFCAMP

11. Sec., T., R., M., or Block and Survey or Area
SEC. 4, TS 19S, R21E

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
01-07-2007

15. Date T.D. Reached
01-25-2007

16. Date Completed
☐ D & A ☒ Ready to Prod.
02-13-2007

17. Elevations (DF, RKB, RT, GL)*
GR: 4356

18. Total Depth: MD **8224** TVD **4196**

19. Plug Back T.D.: MD **8181** TVD **4196**

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
(MAILED 2-6-07)
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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11	8.625J55	24	0	1518		1000 SX		900 TS	
7.875	5.5/I80	17	0	8224		1200 SX		800 TS	

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	4438							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP:	TVD: 4247	4195	4570-5193	0.42	36	OPEN
B)	MD: 4570	8112	5430-6063	0.42	36	OPEN
C)			6440-7123	0.42	36	OPEN
D)			7310-8112	0.42	36	OPEN

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

Depth Interval	Amount and Type of Material
4570-8112	FRAC W/15% NEEF ACID, SLICK WATER, 30/70 & 20/40 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
02-13-07	02-13-07	24	→	0	830	159		.689	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
2"		110	→	0	830	159		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.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

ACCEPTED FOR RECORD
MAY 24 2007
FLOWING
GARY COURLEY
PETROLEUM ENGINEER

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, 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 & Natural Resources

Form C-104
Revised June 10, 2003

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

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address PARALLEL PETROLEUM CORPORATION 1004 N BIG SPRING, SUITE 400 MIDLAND, TX 79701		² OGRID Number 230387
³ Reason for Filing Code/Effective Date		
⁴ API Number 30-0 15-35120	⁵ Pool Name WOLFCAMP	⁶ Pool Code
⁷ Property Code 303087	⁸ Property Name DUKE 4 FEDERAL	⁹ Well Number 2

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	4	19S	21E		818	SOUTH	459	EAST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	4	19S	21E		913	SOUTH	700	WEST	EDDY
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				
		02-13-2007							

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
36785	DCP MIDSTREAM LP 3000 N 'A', BLDG 7 MIDLAND, TX 79705		G	SEC 4, T19S, R21E

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	²⁹ Perforations	³⁰ DHC, MC
01-07-2007	02-13-2007	MD8224;TVD 4196	MD:81810;TVD4196	4570-8112 MD	
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
11	8.625	1518	1000 SX		
11	5.5	8224	1200 SX		

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
	02-13-20007	02-13-2007	24 HOUR		110
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35120		Pool Code	Pool Name WOLFCAMP	
Property Code 303087	Property Name DUKE 40 FEDERAL			Well Number 2
OGRID No. 230387	Operator Name PARALLEL PETROLEUM CORPORATION			Elevation 4356

10 Surface Location

UL or lot no. P	Section 4	Township 19S	Range 21E	Lot Idn	Feet from the 818	North/South line SOUTH	Feet from the 459	East/West line EAST	County EDDY
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11 Bottom Hole Location If Different From Surface

UL or lot no. M	Section 4	Township 19S	Range 21E	Lot Idn	Feet from the 913	North/South line SOUTH	Feet from the 700	East/West line WEST	County EDDY
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16					17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Date 02-06-07 Printed Name KAYE MC CORMICK	
			320 AC		18 SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
					Date of Survey Signature and Seal of Professional Surveyor:	
					Certificate Number	

700
913
BH

708
459
PF
SL
848
818

A Gyrodata Directional Survey

Field Copy Only, not definitive

for

PARALLEL PETROLEUM

Location: PATRIOT #1, EDDY COUNTY, NEW MEXICO

Lease: DUKE FED Well: #2, 4-1/2" DRILLPIPE

Job Number: MD0107G_105

Run Date: 1/15/2007 3:59:19 PM

Surveyor: AJ EATON

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.685360 deg. N Longitude: 104.792600 deg. W

Azimuth Correction:

Gyro: 0.25000 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

Location: PATRIOT #1, EDDY COUNTY, NEW MEXICO

Lease: DUKE FED Well: #2, 4-1/2" DRILLPIPE

Job Number: MD0107G_105

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 4468 FT. RATE GYROSCOPIC MULTISHOT DROP SURVEY RUN INSIDE 4-1/2" DRILLPIPE						
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATRIOT #1 R.K.B.						

100.00	0.12	228.54	0.12	100.00	0.1 228.5	0.07 S 0.08 W
200.00	0.08	354.40	0.18	200.00	0.2 248.9	0.06 S 0.16 W
300.00	0.35	353.25	0.26	300.00	0.4 327.1	0.31 N 0.20 W
400.00	0.46	4.57	0.13	400.00	1.0 348.5	1.02 N 0.21 W
500.00	0.39	49.33	0.33	499.99	1.6 2.9	1.64 N 0.08 E
600.00	1.12	15.61	0.82	599.99	2.9 12.2	2.80 N 0.60 E
700.00	2.63	62.40	2.04	699.93	5.6 31.2	4.80 N 2.90 E
800.00	3.23	46.60	1.00	799.80	10.5 41.8	7.80 N 6.98 E
900.00	3.19	38.83	0.44	899.65	16.1 42.2	11.90 N 10.78 E
1000.00	2.83	99.60	3.06	999.53	20.3 47.6	13.66 N 14.96 E
1100.00	4.58	94.52	1.77	1099.32	25.0 58.8	12.93 N 21.37 E
1200.00	4.81	81.82	1.06	1198.99	32.3 65.9	13.21 N 29.50 E
1300.00	3.11	51.52	2.64	1298.76	39.0 66.6	15.50 N 35.77 E
1400.00	3.11	60.75	0.50	1398.61	44.3 65.3	18.51 N 40.26 E
1481.39	1.85	4.93	3.16	1479.93	47.2 63.7	20.90 N 42.29 E
1500.00	1.86	9.51	0.80	1498.53	47.5 63.1	21.49 N 42.37 E
1600.00	1.23	14.62	0.65	1598.50	49.2 60.6	24.13 N 42.91 E
1672.01	1.46	52.23	1.24	1670.49	50.7 59.9	25.44 N 43.83 E
1767.32	1.33	74.56	0.58	1765.77	52.9 60.0	26.48 N 45.85 E

A Gyrodata Directional Survey

PARALLEL PETROLEUM

Location: PATRIOT #1, EDDY COUNTY, NEW MEXICO

Lease: DUKE FED Well: #2, 4-1/2" DRILLPIPE

Job Number: MD0107G_105

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
1862.63	0.96	72.94	0.38	1861.06	54.8 60.5	27.01 N 47.68 E
1957.94	0.78	64.11	0.24	1956.36	56.2 60.7	27.53 N 49.03 E
2053.25	0.54	72.78	0.27	2051.66	57.3 60.8	27.94 N 50.04 E
2148.56	0.39	90.06	0.22	2146.97	58.0 61.1	28.07 N 50.79 E
2243.87	0.29	100.16	0.12	2242.28	58.5 61.4	28.03 N 51.35 E
2339.18	0.19	148.53	0.23	2337.59	58.7 61.7	27.85 N 51.67 E
2434.49	0.19	161.41	0.05	2432.90	58.7 62.0	27.56 N 51.81 E
2529.80	0.15	159.23	0.05	2528.21	58.6 62.3	27.30 N 51.90 E
2625.11	0.13	172.49	0.04	2623.52	58.6 62.5	27.07 N 51.96 E
2720.42	0.21	78.43	0.26	2718.83	58.7 62.6	27.00 N 52.14 E
2815.73	0.16	65.84	0.06	2814.14	59.0 62.7	27.09 N 52.43 E
2911.04	0.09	9.09	0.14	2909.44	59.2 62.6	27.21 N 52.56 E
3006.35	0.26	339.69	0.20	3004.75	59.3 62.4	27.49 N 52.50 E
3101.66	0.14	337.12	0.13	3100.06	59.3 62.1	27.79 N 52.38 E
3196.97	0.26	93.99	0.36	3195.37	59.5 62.1	27.88 N 52.55 E
3292.28	0.48	99.46	0.24	3290.68	60.0 62.4	27.80 N 53.16 E
3387.59	0.58	119.92	0.22	3385.99	60.6 63.0	27.49 N 53.97 E
3482.90	0.30	155.12	0.40	3481.29	60.8 63.6	27.02 N 54.50 E
3578.21	0.16	197.83	0.22	3576.60	60.7 63.9	26.67 N 54.56 E
3673.52	0.06	74.10	0.20	3671.91	60.7 64.0	26.56 N 54.57 E
3768.83	0.43	56.24	0.39	3767.22	61.1 64.0	26.78 N 54.91 E
3864.14	0.64	44.38	0.24	3862.53	61.9 63.8	27.35 N 55.58 E
3959.45	0.68	47.40	0.06	3957.83	63.0 63.5	28.12 N 56.37 E

A Gyrodata Directional Survey

PARALLEL PETROLEUM

Location: PATRIOT #1, EDDY COUNTY, NEW MEXICO

Lease: DUKE FED Well: #2, 4-1/2" DRILLPIPE

Job Number: MD0107G_105

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4054.76	0.67	0.57	0.56	4053.14	63.8 62.9	29.06 N 56.79 E
4150.07	0.56	329.56	0.36	4148.44	64.0 62.1	30.01 N 56.56 E
4245.38	0.78	339.03	0.25	4243.74	64.1 61.1	31.01 N 56.10 E
4340.69	0.64	338.13	0.14	4339.05	64.3 60.0	32.11 N 55.67 E
4436.00	0.84	288.90	0.67	4434.35	63.9 59.1	32.83 N 54.81 E
4468.00	0.95	281.24	0.51	4466.35	63.5 58.8	32.96 N 54.33 E

Final Station Closure: Distance: 63.55 ft Az: 58.75 deg.

SLB MWD Survey Survey Report

Report Date: January 26, 2007	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Parallel Petroleum	Vertical Section Azimuth: 270.240°
Field: NM, Eddy County (Parallel Petroleum)	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Parallel Pet. Duke 4 Federal #2 / Parallel Pet. Duke 4 Federal #2	TVD Reference Datum: RKB
Well: Duke 4 Federal #2	TVD Reference Elevation: 4368.0 ft relative to
Borehole: Horizontal	Sea Bed / Ground Level Elevation: 4356.000 ft relative to
UW/API#:	Magnetic Declination: 8.726°
Survey Name / Date: SLB MWD SVY Duke 4 Fed 21 / January 19, 2007	Total Field Strength: 49225.287 nT
Tort / AHD / DDI / ERD ratio: 163.847° / 4250.29 ft / 6.130 / 1.001	Magnetic Dip: 60.520°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: January 19, 2007
Location Lat/Long: N 32 41 3.610, W 104 47 29.920	Magnetic Declination Model: BGGM 2006
Location Grid N/E Y/X: N 612977.092 ftUS, E 358990.663 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.24749649°	Total Corr Mag North -> Grid North: +8.973°
Grid Scale Factor: 0.99993186	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)
Pie-In / Gyro SVY	3768.80	0.43	56.24	3767.19	-54.80	26.78	54.91	61.09	64.00	0.39	54.78M
	3772.00	0.90	54.78	3770.39	-54.83	26.80	54.94	61.13	64.00	14.70	330.57M
	3804.00	0.71	330.57	3802.39	-54.94	27.12	55.05	61.37	63.78	3.40	280.61M
	3835.00	4.95	280.61	3833.35	-53.52	27.53	53.64	60.29	62.83	14.60	274.90M
	3867.00	10.06	274.90	3865.06	-49.38	28.02	49.50	56.88	60.48	16.12	4.99L
	3899.00	14.81	273.28	3896.30	-42.50	28.50	42.62	51.27	56.24	14.88	0.95R
	3931.00	18.70	273.48	3926.94	-33.29	29.04	33.42	44.27	49.01	12.16	2.19L
	3963.00	22.87	273.07	3956.85	-21.96	29.69	22.08	37.00	36.64	13.04	HS
	3994.00	27.33	273.07	3984.92	-8.83	30.39	8.95	31.68	16.42	14.39	19.36L
	4026.00	31.88	270.07	4012.73	6.97	30.79	-6.84	31.54	347.48	14.95	2.47L
	4058.00	35.97	269.77	4039.28	24.82	30.77	-24.70	39.45	321.25	12.79	9.93L
	4090.00	39.07	268.91	4064.66	44.31	30.54	-44.18	53.71	304.65	9.82	12.21R
	4121.00	43.33	270.25	4087.98	64.72	30.40	-64.59	71.39	295.20	14.03	3.41R
	4153.00	47.94	270.62	4110.35	87.59	30.57	-87.46	92.65	289.27	14.43	4.74R
	4185.00	52.54	271.10	4130.81	112.18	30.95	-112.05	116.25	285.44	14.42	16.12L
	4217.00	54.66	270.35	4149.80	137.94	31.27	-137.81	141.31	282.78	6.89	12.24L
	4249.00	57.14	269.71	4167.73	164.43	31.28	-164.30	167.25	280.78	7.92	4.66L
	4280.00	61.57	269.30	4183.53	191.09	31.05	-190.97	193.47	279.23	14.34	3.77L
	4312.00	65.72	269.00	4197.73	219.76	30.62	-219.63	221.75	277.94	13.00	7.05L
	4344.00	68.89	268.58	4210.08	249.27	30.00	-249.14	250.94	276.87	9.98	5.91L
	4376.00	72.39	268.20	4220.69	279.44	29.15	-279.32	280.83	275.96	10.99	11.52L
	4407.00	76.50	267.34	4229.00	309.27	27.98	-309.15	310.41	275.17	13.52	2.35R
	4439.00	79.38	267.46	4235.68	340.52	26.57	-340.41	341.44	274.46	9.01	12.11R
	4471.00	81.27	267.87	4241.06	372.03	25.28	-371.93	372.78	273.89	6.04	8.09L
	4503.00	84.21	267.45	4245.10	403.74	23.98	-403.64	404.35	273.40	9.28	5.28L
	4535.00	88.11	267.09	4247.25	435.62	22.46	-435.53	436.10	272.95	12.24	1.93R
	4566.00	91.38	267.20	4247.38	466.57	20.92	-466.48	466.95	272.57	10.55	43.25L
	4630.00	91.55	267.04	4245.75	530.45	17.70	-530.38	530.68	271.91	0.36	145.89L
	4662.00	91.24	266.83	4244.97	562.39	15.99	-562.33	562.55	271.63	1.17	92.03R
	4757.00	91.17	268.79	4242.97	657.28	12.37	-657.23	657.35	271.08	2.06	118.93R
	4802.00	90.96	269.17	4242.13	702.26	11.56	-702.22	702.31	270.94	0.96	124.47L
	4884.00	90.50	268.50	4241.09	784.23	9.90	-784.19	784.25	270.72	0.99	123.88L
	4979.00	90.03	267.80	4240.65	879.16	6.83	-879.14	879.17	270.45	0.89	31.06R
	5075.00	91.69	268.80	4239.21	975.09	3.98	-975.08	975.09	270.23	2.02	88.55R
	5170.00	91.75	271.23	4236.36	1070.04	4.01	-1070.03	1070.04	270.21	2.56	87.61R
	5213.00	91.82	272.93	4235.02	1112.99	5.57	-1112.98	1112.99	270.29	3.95	99.73R
	5305.00	91.76	273.28	4232.14	1204.83	10.55	-1204.80	1204.85	270.50	0.39	40.23R
	5398.00	92.61	274.00	4228.60	1297.60	16.45	-1297.54	1297.65	270.73	1.20	121.37L
	5490.00	91.75	272.59	4225.10	1389.40	21.73	-1389.32	1389.49	270.90	1.79	112.89L
	5582.00	90.93	270.65	4222.95	1481.34	24.33	-1481.26	1481.46	270.94	2.29	86.82L
	5676.00	90.96	270.11	4221.40	1575.33	24.95	-1575.24	1575.44	270.91	0.58	151.78L
	5771.00	90.14	269.67	4220.49	1670.32	24.77	-1670.23	1670.42	270.85	0.98	87.27L
	5866.00	90.17	269.04	4220.23	1765.31	23.70	-1765.23	1765.39	270.77	0.66	32.82R

5962.00	90.48	269.24	4219.68	1861.29	22.26	-1861.22	1861.35	270.69	0.38	33.39R
6057.00	91.89	270.17	4217.72	1956.26	21.77	-1956.19	1956.31	270.64	1.78	149.86L
6152.00	91.58	269.99	4214.84	2051.22	21.91	-2051.15	2051.26	270.61	0.38	84.61R
6248.00	91.76	271.91	4212.04	2147.17	23.50	-2147.09	2147.22	270.63	2.01	107.76L
6343.00	91.34	270.60	4209.48	2242.12	25.58	-2242.03	2242.17	270.65	1.45	52.21L
6439.00	91.65	270.20	4206.97	2338.08	26.25	-2337.99	2338.14	270.64	0.53	168.11R
6534.00	90.89	270.36	4204.86	2433.06	26.71	-2432.97	2433.11	270.63	0.82	148.48L
6629.00	90.14	269.90	4204.01	2528.05	26.93	-2527.96	2528.11	270.61	0.93	63.43R
6725.00	90.17	269.96	4203.75	2624.05	26.81	-2623.96	2624.10	270.59	0.07	139.40R
6820.00	90.03	270.08	4203.59	2719.05	26.84	-2718.96	2719.09	270.57	0.19	52.21R
6915.00	91.65	272.17	4202.19	2814.02	28.71	-2813.93	2814.07	270.58	2.78	115.47L
7011.00	90.00	268.71	4200.81	2909.99	29.44	-2909.89	2910.04	270.58	3.99	40.59R
7042.00	91.82	270.27	4200.32	2940.98	29.17	-2940.89	2941.03	270.57	7.73	74.35R
7074.00	91.89	270.52	4199.28	2972.97	29.39	-2972.87	2973.01	270.57	0.81	129.82L
7104.00	91.69	270.28	4198.34	3002.95	29.60	-3002.85	3003.00	270.56	1.04	177.36R
7138.00	90.17	270.35	4197.79	3036.95	29.78	-3036.85	3036.99	270.56	4.48	59.80R
7233.00	92.03	273.55	4195.97	3131.87	33.01	-3131.76	3131.93	270.60	3.90	LS
7329.00	90.76	273.55	4193.63	3227.68	38.96	-3227.54	3227.78	270.69	1.32	90.00L
7424.00	90.76	273.01	4192.37	3322.54	44.39	-3322.38	3322.68	270.77	0.57	43.56R
7520.00	91.17	273.40	4190.75	3418.39	49.76	-3418.22	3418.58	270.83	0.59	172.95R
7615.00	89.31	273.63	4190.36	3513.23	55.58	-3513.03	3513.47	270.91	1.97	174.96L
7710.00	88.97	273.60	4191.78	3608.06	61.57	-3607.83	3608.36	270.98	0.36	18.43R
7805.00	89.21	273.68	4193.29	3702.88	67.60	-3702.63	3703.25	271.05	0.27	62.24L
7900.00	89.31	273.49	4194.52	3797.71	73.54	-3797.44	3798.15	271.11	0.23	42.51R
7995.00	89.55	273.71	4195.46	3892.54	79.51	-3892.24	3893.05	271.17	0.34	3.01L
8090.00	89.93	273.69	4195.89	3987.37	85.64	-3987.04	3987.96	271.23	0.40	55.01R
8147.00	90.21	274.09	4195.83	4044.25	89.50	-4043.91	4044.90	271.27	0.86	90.00R
8224.00	90.21	274.10	4195.54	4121.08	95.00	-4120.71	4121.81	271.32	0.01	---

Survey Type: Non-Def Survey

Survey Error Model: SLB ISCWSA version 24 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

MD From (ft)	MD To (ft)	EOU Freq	Survey Tool Type	Borehole -> Survey
0.00	12.00	Act-Stns	SLB_CNSG+DPIPE-Depth Only	Pilot Hole -> Duke 4 Fed #2 Gyro 0' to 4468'
12.00	3768.80	Act-Stns	SLB_CNSG+DPIPE	Pilot Hole -> Duke 4 Fed #2 Gyro 0' to 4468'
3768.80	8224.00	Act-Stns	SLB_UNKNOWN (default tool used)	Horizontal -> SLB MWD SVY Duke 4 Fed 21

**Italicized stations are NOT used in position calculations.*