

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

JUL 24 2017

WELL LOCATION AND ACREAGE DEDICATED

¹ API Number 30-015-44328	² Pool Code 98220	³ Pool Name PURPLE SAGE WOLFCAMP (GAS)
⁴ Property Code 318400	⁵ Property Name SOUTHERN COMFORT 25-36 STATE X	⁶ Well Number 2H
⁷ GRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN, LLC	⁹ Elevation 2912

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
I	25	T24S	R28E		2404	SOUTH	1236	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	T24S	R28E		240	SOUTH	330	EAST	EDDY

¹² Dedicated Acres 480.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R 14348
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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 SECTION 23 SECTION 26 SURFACE HOLE LOCATION 2404' FSL 1236' FEL, SECTION 25 NAD 83, SPCS NM EAST Y432167.84' / X633313.90' LAT32.18775748N / LDN104.03601696W NAD 27, SPCS NM EAST Y432109.30' / X592129.95' LAT32.18763489N / LDN104.03552739W FIRST TAKE POINT 2310' FSL 330' FEL, SECTION 25 NAD 83, SPCS NM EAST Y432075.49' / X634170.94' LAT32.18749671N / LDN104.03309549W NAD 27, SPCS NM EAST Y432016.94' / X593033.97' LAT32.18737407N / LDN104.03260605W SECTION 26 SECTION 25 SECTION 30 SECTION 35 SECTION 36 SECTION 30 SECTION 31 SECTION 36 SECTION 31 SECTION 6 CORNER COORDINATES NAD 83, SPCS NM EAST A - Y1 432425.89 / X1 631832.26 B - Y1 432426.25 / X1 634556.01 C - Y1 424428.61 / X1 634500.87 D - Y1 424421.13 / X1 631848.34	SECTION 24 SECTION 25 SECTION 30 SECTION 31 SECTION 36 SECTION 31 SECTION 6 CORNER COORDINATES NAD 27, SPCS NM EAST A - Y1 432367.36 / X1 590648.35 B - Y1 432367.69 / X1 593372.84 C - Y1 424370.21 / X1 593316.72 D - Y1 424362.76 / X1 590664.24	¹⁷ OPERATOR CERTIFICATION 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. Signature <i>[Signature]</i> Date 7/24/2017 Printed Name MELISSA SZUDERA E-mail Address MSZUDERA@MARATHONOIL.COM ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plot 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. JULY 06, 2017 Date of Survey Signature and Seal of Professional Surveyor <i>[Signature]</i> Certificate Number LLOYD P. SHORT 21653
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RWP 7-24-17

Company: Marathon Oil
Project: Eddy County, NM
Site: Southern Comfort 25-36 State X
Well: No. 2H
Wellbore: OH
Design: Plan #3

Local Co-ordinate Reference: Well No. 2H
TVD Reference: Well @ 2937.00usft (GL: 2912' + KB: 25' (H&P498))
MD Reference: Well @ 2937.00usft (GL: 2912' + KB: 25' (H&P498))
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Project	Eddy County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Southern Comfort 25-36 State X		
Site Position:		Northing:	432,195.37 usft
From:	Map	Easting:	592,068.17 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.1878720
		Longitude:	-104.0357263
		Grid Convergence:	0.16 °

Well	No. 2H		
Well Position	+N/-S	0.00 usft	Northing: 432,109.30 usft
	+E/-W	0.00 usft	Easting: 592,129.95 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.1876349
		Longitude:	-104.0355274
		Ground Level:	2,912.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/10/2017	7.20	60.02	48,095.40

Design	Plan #3				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	180.40	

Survey Tool Program	Date	7/13/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	5,000.00	Plan #3 (OH)	MWD+HDGM	OWSG MWD + HRGM	
5,000.00	10,000.00	Plan #3 (OH)	MWD+HDGM	OWSG MWD + HRGM	
10,000.00	17,147.22	Plan #3 (OH)	MWD+HDGM	OWSG MWD + HRGM	

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
[SouthComX#2H]PlatFTP - [SouthComX#2H]PlatBHL									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00

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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.75	78.62	3,100.00	0.13	0.64	-0.13	0.75	0.75	0.00
3,200.00	1.50	78.62	3,199.98	0.52	2.57	-0.53	0.75	0.75	0.00
3,300.00	2.25	78.62	3,299.92	1.16	5.77	-1.20	0.75	0.75	0.00
3,400.00	3.00	78.62	3,399.82	2.07	10.26	-2.14	0.75	0.75	0.00
3,500.00	3.75	78.62	3,499.64	3.23	16.03	-3.34	0.75	0.75	0.00
3,600.00	4.50	78.62	3,599.38	4.65	23.09	-4.81	0.75	0.75	0.00
3,700.00	5.25	78.62	3,699.02	6.33	31.42	-6.54	0.75	0.75	0.00
3,800.00	6.00	78.62	3,798.54	8.26	41.03	-8.55	0.75	0.75	0.00
3,900.00	6.75	78.62	3,897.92	10.45	51.91	-10.81	0.75	0.75	0.00
4,000.00	7.50	78.62	3,997.15	12.90	64.07	-13.35	0.75	0.75	0.00
4,100.00	8.25	78.62	4,096.20	15.60	77.50	-16.14	0.75	0.75	0.00
4,200.00	9.00	78.62	4,195.07	18.56	92.20	-19.21	0.75	0.75	0.00
4,300.00	9.75	78.62	4,293.74	21.78	108.17	-22.53	0.75	0.75	0.00
4,400.00	10.50	78.62	4,392.18	25.25	125.41	-26.12	0.75	0.75	0.00
4,443.14	10.82	78.62	4,434.57	26.82	133.23	-27.75	0.75	0.75	0.00
4,500.00	10.82	78.62	4,490.42	28.93	143.70	-29.93	0.00	0.00	0.00
4,600.00	10.82	78.62	4,588.64	32.64	162.11	-33.77	0.00	0.00	0.00

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4,700.00	10.82	78.62	4,686.86	36.34	180.52	-37.60	0.00	0.00	0.00
4,800.00	10.82	78.62	4,785.08	40.05	198.93	-41.44	0.00	0.00	0.00
4,900.00	10.82	78.62	4,883.30	43.75	217.34	-45.27	0.00	0.00	0.00
5,000.00	10.82	78.62	4,981.53	47.46	235.74	-49.10	0.00	0.00	0.00
5,100.00	10.82	78.62	5,079.75	51.17	254.15	-52.94	0.00	0.00	0.00
5,200.00	10.82	78.62	5,177.97	54.87	272.56	-56.77	0.00	0.00	0.00
5,300.00	10.82	78.62	5,276.19	58.58	290.97	-60.61	0.00	0.00	0.00
5,400.00	10.82	78.62	5,374.41	62.28	309.38	-64.44	0.00	0.00	0.00
5,500.00	10.82	78.62	5,472.63	65.99	327.79	-68.28	0.00	0.00	0.00
5,600.00	10.82	78.62	5,570.85	69.70	346.20	-72.11	0.00	0.00	0.00
5,700.00	10.82	78.62	5,669.07	73.40	364.61	-75.95	0.00	0.00	0.00
5,800.00	10.82	78.62	5,767.29	77.11	383.02	-79.78	0.00	0.00	0.00
5,900.00	10.82	78.62	5,865.51	80.82	401.43	-83.62	0.00	0.00	0.00
6,000.00	10.82	78.62	5,963.74	84.52	419.84	-87.45	0.00	0.00	0.00
6,100.00	10.82	78.62	6,061.96	88.23	438.25	-91.28	0.00	0.00	0.00
6,200.00	10.82	78.62	6,160.18	91.93	456.65	-95.12	0.00	0.00	0.00
6,300.00	10.82	78.62	6,258.40	95.64	475.06	-98.95	0.00	0.00	0.00
6,400.00	10.82	78.62	6,356.62	99.35	493.47	-102.79	0.00	0.00	0.00
6,500.00	10.82	78.62	6,454.84	103.05	511.88	-106.62	0.00	0.00	0.00
6,600.00	10.82	78.62	6,553.06	106.76	530.29	-110.46	0.00	0.00	0.00
6,700.00	10.82	78.62	6,651.28	110.46	548.70	-114.29	0.00	0.00	0.00
6,800.00	10.82	78.62	6,749.50	114.17	567.11	-118.13	0.00	0.00	0.00
6,900.00	10.82	78.62	6,847.73	117.88	585.52	-121.96	0.00	0.00	0.00
7,000.00	10.82	78.62	6,945.95	121.58	603.93	-125.80	0.00	0.00	0.00
7,100.00	10.82	78.62	7,044.17	125.29	622.34	-129.63	0.00	0.00	0.00
7,200.00	10.82	78.62	7,142.39	129.00	640.75	-133.47	0.00	0.00	0.00
7,300.00	10.82	78.62	7,240.61	132.70	659.15	-137.30	0.00	0.00	0.00
7,400.00	10.82	78.62	7,338.83	136.41	677.56	-141.13	0.00	0.00	0.00
7,500.00	10.82	78.62	7,437.05	140.11	695.97	-144.97	0.00	0.00	0.00
7,600.00	10.82	78.62	7,535.27	143.82	714.38	-148.80	0.00	0.00	0.00
7,700.00	10.82	78.62	7,633.49	147.53	732.79	-152.64	0.00	0.00	0.00
7,800.00	10.82	78.62	7,731.71	151.23	751.20	-156.47	0.00	0.00	0.00
7,900.00	10.82	78.62	7,829.94	154.94	769.61	-160.31	0.00	0.00	0.00
8,000.00	10.82	78.62	7,928.16	158.64	788.02	-164.14	0.00	0.00	0.00
8,100.00	10.82	78.62	8,026.38	162.35	806.43	-167.98	0.00	0.00	0.00
8,200.00	10.82	78.62	8,124.60	166.06	824.84	-171.81	0.00	0.00	0.00
8,300.00	10.82	78.62	8,222.82	169.76	843.25	-175.65	0.00	0.00	0.00
8,385.78	10.82	78.62	8,307.08	172.94	859.04	-178.93	0.00	0.00	0.00
8,400.00	10.54	78.62	8,321.05	173.46	861.62	-179.47	2.00	-2.00	0.00
8,500.00	8.54	78.62	8,419.66	176.73	877.87	-182.86	2.00	-2.00	0.00
8,600.00	6.54	78.62	8,518.79	179.32	890.73	-185.54	2.00	-2.00	0.00
8,700.00	4.54	78.62	8,618.32	181.23	900.19	-187.51	2.00	-2.00	0.00

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8,800.00	2.54	78.62	8,718.12	182.44	906.24	-188.77	2.00	-2.00	0.00
8,900.00	0.54	78.62	8,818.08	182.97	908.88	-189.32	2.00	-2.00	0.00
8,926.96	0.00	0.00	8,845.04	183.00	909.00	-189.34	2.00	-2.00	0.00
9,000.00	0.00	0.00	8,918.08	183.00	909.00	-189.34	0.00	0.00	0.00
9,100.00	0.00	0.00	9,018.08	183.00	909.00	-189.34	0.00	0.00	0.00
9,200.00	0.00	0.00	9,118.08	183.00	909.00	-189.34	0.00	0.00	0.00
9,226.96	0.00	0.00	9,145.04	183.00	909.00	-189.34	0.00	0.00	0.00
[SouthComX#2H]KOP									
9,250.00	2.30	180.40	9,168.07	182.54	909.00	-188.88	10.00	10.00	0.00
9,300.00	7.30	180.40	9,217.88	178.35	908.97	-184.69	10.00	10.00	0.00
9,350.00	12.30	180.40	9,267.14	169.84	908.91	-176.18	10.00	10.00	0.00
9,400.00	17.30	180.40	9,315.46	157.07	908.82	-163.41	10.00	10.00	0.00
9,450.00	22.30	180.40	9,362.49	140.13	908.70	-146.47	10.00	10.00	0.00
9,500.00	27.30	180.40	9,407.86	119.17	908.56	-125.51	10.00	10.00	0.00
9,550.00	32.30	180.40	9,451.24	94.32	908.38	-100.66	10.00	10.00	0.00
9,600.00	37.30	180.40	9,492.28	65.79	908.18	-72.13	10.00	10.00	0.00
9,650.00	42.30	180.40	9,530.68	33.80	907.96	-40.13	10.00	10.00	0.00
9,700.00	47.30	180.40	9,566.14	-1.43	907.72	-4.91	10.00	10.00	0.00
9,750.00	52.30	180.40	9,598.40	-39.60	907.45	33.27	10.00	10.00	0.00
9,800.00	57.30	180.40	9,627.21	-80.45	907.17	74.12	10.00	10.00	0.00
9,850.00	62.30	180.40	9,652.35	-123.65	906.86	117.32	10.00	10.00	0.00
9,900.00	67.30	180.40	9,673.63	-168.88	906.55	162.55	10.00	10.00	0.00
9,950.00	72.30	180.40	9,690.89	-215.79	906.22	209.46	10.00	10.00	0.00
10,000.00	77.30	180.40	9,703.99	-264.02	905.89	257.69	10.00	10.00	0.00
10,050.00	82.30	180.40	9,712.84	-313.22	905.54	306.89	10.00	10.00	0.00
10,100.00	87.30	180.40	9,717.36	-362.99	905.20	356.67	10.00	10.00	0.00
10,126.96	90.00	180.40	9,718.00	-389.94	905.01	383.62	10.00	10.00	0.00
10,200.00	90.00	180.40	9,718.00	-462.98	904.50	456.66	0.00	0.00	0.00
10,300.00	90.00	180.40	9,718.00	-562.98	903.81	556.66	0.00	0.00	0.00
10,400.00	90.00	180.40	9,718.00	-662.98	903.11	656.66	0.00	0.00	0.00
10,500.00	90.00	180.40	9,718.00	-762.97	902.41	756.66	0.00	0.00	0.00
10,600.00	90.00	180.40	9,718.00	-862.97	901.72	856.66	0.00	0.00	0.00
10,700.00	90.00	180.40	9,718.00	-962.97	901.02	956.66	0.00	0.00	0.00
10,800.00	90.00	180.40	9,718.00	-1,062.97	900.32	1,056.66	0.00	0.00	0.00
10,900.00	90.00	180.40	9,718.00	-1,162.97	899.63	1,156.66	0.00	0.00	0.00
11,000.00	90.00	180.40	9,718.00	-1,262.96	898.93	1,256.66	0.00	0.00	0.00
11,100.00	90.00	180.40	9,718.00	-1,362.96	898.24	1,356.66	0.00	0.00	0.00
11,200.00	90.00	180.40	9,718.00	-1,462.96	897.54	1,456.66	0.00	0.00	0.00
11,300.00	90.00	180.40	9,718.00	-1,562.96	896.84	1,556.66	0.00	0.00	0.00
11,400.00	90.00	180.40	9,718.00	-1,662.95	896.15	1,656.66	0.00	0.00	0.00
11,500.00	90.00	180.40	9,718.00	-1,762.95	895.45	1,756.66	0.00	0.00	0.00
11,600.00	90.00	180.40	9,718.00	-1,862.95	894.75	1,856.66	0.00	0.00	0.00

Company: Marathon Oil
Project: Eddy County, NM
Site: Southern Comfort 25-36 State X
Well: No. 2H
Wellbore: OH
Design: Plan #3

Local Co-ordinate Reference: Well No. 2H
TVD Reference: Well @ 2937.00usft (GL: 2912' + KB: 25' (H&P498))
MD Reference: Well @ 2937.00usft (GL: 2912' + KB: 25' (H&P498))
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,700.00	90.00	180.40	9,718.00	-1,962.95	894.06	1,956.66	0.00	0.00	0.00
11,800.00	90.00	180.40	9,718.00	-2,062.94	893.36	2,056.66	0.00	0.00	0.00
11,900.00	90.00	180.40	9,718.00	-2,162.94	892.67	2,156.66	0.00	0.00	0.00
12,000.00	90.00	180.40	9,718.00	-2,262.94	891.97	2,256.66	0.00	0.00	0.00
12,100.00	90.00	180.40	9,718.00	-2,362.94	891.27	2,356.66	0.00	0.00	0.00
12,200.00	90.00	180.40	9,718.00	-2,462.93	890.58	2,456.66	0.00	0.00	0.00
12,300.00	90.00	180.40	9,718.00	-2,562.93	889.88	2,556.66	0.00	0.00	0.00
12,400.00	90.00	180.40	9,718.00	-2,662.93	889.18	2,656.66	0.00	0.00	0.00
12,500.00	90.00	180.40	9,718.00	-2,762.93	888.49	2,756.66	0.00	0.00	0.00
12,600.00	90.00	180.40	9,718.00	-2,862.92	887.79	2,856.66	0.00	0.00	0.00
12,700.00	90.00	180.40	9,718.00	-2,962.92	887.10	2,956.66	0.00	0.00	0.00
12,800.00	90.00	180.40	9,718.00	-3,062.92	886.40	3,056.66	0.00	0.00	0.00
12,900.00	90.00	180.40	9,718.00	-3,162.92	885.70	3,156.66	0.00	0.00	0.00
13,000.00	90.00	180.40	9,718.00	-3,262.91	885.01	3,256.66	0.00	0.00	0.00
13,100.00	90.00	180.40	9,718.00	-3,362.91	884.31	3,356.66	0.00	0.00	0.00
13,200.00	90.00	180.40	9,718.00	-3,462.91	883.61	3,456.66	0.00	0.00	0.00
13,300.00	90.00	180.40	9,718.00	-3,562.91	882.92	3,556.66	0.00	0.00	0.00
13,400.00	90.00	180.40	9,718.00	-3,662.90	882.22	3,656.66	0.00	0.00	0.00
13,500.00	90.00	180.40	9,718.00	-3,762.90	881.52	3,756.66	0.00	0.00	0.00
13,600.00	90.00	180.40	9,718.00	-3,862.90	880.83	3,856.66	0.00	0.00	0.00
13,700.00	90.00	180.40	9,718.00	-3,962.90	880.13	3,956.66	0.00	0.00	0.00
13,800.00	90.00	180.40	9,718.00	-4,062.90	879.44	4,056.66	0.00	0.00	0.00
13,900.00	90.00	180.40	9,718.00	-4,162.89	878.74	4,156.66	0.00	0.00	0.00
14,000.00	90.00	180.40	9,718.00	-4,262.89	878.04	4,256.66	0.00	0.00	0.00
14,100.00	90.00	180.40	9,718.00	-4,362.89	877.35	4,356.66	0.00	0.00	0.00
14,200.00	90.00	180.40	9,718.00	-4,462.89	876.65	4,456.66	0.00	0.00	0.00
14,300.00	90.00	180.40	9,718.00	-4,562.88	875.95	4,556.66	0.00	0.00	0.00
14,400.00	90.00	180.40	9,718.00	-4,662.88	875.26	4,656.66	0.00	0.00	0.00
14,500.00	90.00	180.40	9,718.00	-4,762.88	874.56	4,756.66	0.00	0.00	0.00
14,600.00	90.00	180.40	9,718.00	-4,862.88	873.87	4,856.66	0.00	0.00	0.00
14,700.00	90.00	180.40	9,718.00	-4,962.87	873.17	4,956.66	0.00	0.00	0.00
14,800.00	90.00	180.40	9,718.00	-5,062.87	872.47	5,056.66	0.00	0.00	0.00
14,900.00	90.00	180.40	9,718.00	-5,162.87	871.78	5,156.66	0.00	0.00	0.00
15,000.00	90.00	180.40	9,718.00	-5,262.87	871.08	5,256.66	0.00	0.00	0.00
15,100.00	90.00	180.40	9,718.00	-5,362.86	870.38	5,356.66	0.00	0.00	0.00
15,200.00	90.00	180.40	9,718.00	-5,462.86	869.69	5,456.66	0.00	0.00	0.00
15,300.00	90.00	180.40	9,718.00	-5,562.86	868.99	5,556.66	0.00	0.00	0.00
15,400.00	90.00	180.40	9,718.00	-5,662.86	868.30	5,656.66	0.00	0.00	0.00
15,500.00	90.00	180.40	9,718.00	-5,762.85	867.60	5,756.66	0.00	0.00	0.00
15,600.00	90.00	180.40	9,718.00	-5,862.85	866.90	5,856.66	0.00	0.00	0.00
15,700.00	90.00	180.40	9,718.00	-5,962.85	866.21	5,956.66	0.00	0.00	0.00
15,800.00	90.00	180.40	9,718.00	-6,062.85	865.51	6,056.66	0.00	0.00	0.00

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Design: Plan #3

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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,900.00	90.00	180.40	9,718.00	-6,162.84	864.81	6,156.66	0.00	0.00	0.00
16,000.00	90.00	180.40	9,718.00	-6,262.84	864.12	6,256.66	0.00	0.00	0.00
16,100.00	90.00	180.40	9,718.00	-6,362.84	863.42	6,356.66	0.00	0.00	0.00
16,200.00	90.00	180.40	9,718.00	-6,462.84	862.73	6,456.66	0.00	0.00	0.00
16,300.00	90.00	180.40	9,718.00	-6,562.83	862.03	6,556.66	0.00	0.00	0.00
16,400.00	90.00	180.40	9,718.00	-6,662.83	861.33	6,656.66	0.00	0.00	0.00
16,500.00	90.00	180.40	9,718.00	-6,762.83	860.64	6,756.66	0.00	0.00	0.00
16,600.00	90.00	180.40	9,718.00	-6,862.83	859.94	6,856.66	0.00	0.00	0.00
16,700.00	90.00	180.40	9,718.00	-6,962.82	859.24	6,956.66	0.00	0.00	0.00
16,800.00	90.00	180.40	9,718.00	-7,062.82	858.55	7,056.66	0.00	0.00	0.00
16,900.00	90.00	180.40	9,718.00	-7,162.82	857.85	7,156.66	0.00	0.00	0.00
17,000.00	90.00	180.40	9,718.00	-7,262.82	857.16	7,256.66	0.00	0.00	0.00
17,100.00	90.00	180.40	9,718.00	-7,362.82	856.46	7,356.66	0.00	0.00	0.00
17,147.22	90.00	180.40	9,718.00	-7,410.03	856.13	7,403.87	0.00	0.00	0.00

[SouthComX#2H]LTP/BHL: 7404' VS

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
[SouthComX#2H]PlatFT - plan misses target center by 908.73usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	-92.36	904.02	432,016.94	593,033.97	32.1873741	-104.0326060
[SouthComX#2H]PlatBH - plan misses target center by 7548.76usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	-7,500.03	856.31	424,609.27	592,986.26	32.1670109	-104.0328271
[SouthComX#2H]KOP - plan hits target center - Point	0.00	0.00	9,145.04	183.00	909.00	432,292.30	593,038.95	32.1881310	-104.0325875
[SouthComX#2H]LTP/BH - plan hits target center - Rectangle (sides W60.00 H7,400.00 D0.00)	0.00	0.00	9,718.00	-7,410.03	856.13	424,699.27	592,986.08	32.1672584	-104.0328269

Checked By: _____ Approved By: _____ Date: _____