

Submit 1 Copy To Appropriate District Office:
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-015-45811
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <325175> PALMILLO 10 STATE COM
8. Well Number 352H
9. OGRID Number 873
10. Pool name or Wildcat <96413> PALMILLO; BONE SPRING, SW

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 ☐

2. Name of Operator

APACHE CORPORATION

3. Address of Operator **3000 VETERANS AIRPARK LN #1000
MIDLAND, TX 79705**

4. Well Location

Unit Letter **P** : **732'** feet from the **SOUTH** line and **180'** feet from the **EAST** line
Section **3** Township **19S** Range **28E** NMPM County **EDDY**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
GL:3480'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache respectfully request to change BHL, prod csg depths and cement for the Palmillo 3 State Com 352H due to change in target depths:

OLD BHL: 1310' FSL & 50' FWL

NEW BHL: 710' FSL & 50' FWL

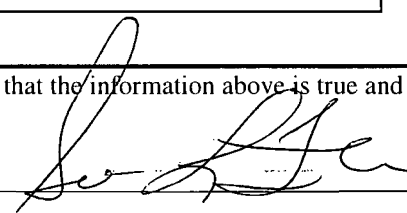
OLD Prod – 8-3/4" – setting depth: 8772' Est TOC: 2500' Total sx cmt: 720sx
8-1/2" – setting depth: 13348' Est TOC – 8772' Total sx cmt: 854sx

NEW Prod – 8-3/4" – setting depth: 8802' Est TOC: 2500' Total sx cmt: 723sx
8-1/2" – setting depth: 13384' Est TOC – 8802' Total sx cmt: 855sx

Spud Date:

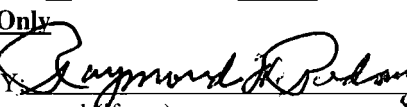
Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Supv Drlg Services DATE 12/9/19

Type or print name Sorina L Flores E-mail address: sorina.flores@apachecorp.com PHONE: 432-818-1167

For State Use Only

APPROVED BY:  TITLE Geologist DATE 2-14-20

Conditions of Approval (if any):

RECEIVED

DEC 18 2010

DISTRICT/ARTESIA/O.C.D.



RECEIVED

DEC 13 2019

5D Plan Report

DISTRICT/ARTESIAO.C.D.

Apache Corporation

Field Name: *Apache NM (Nad 83 NMEZ)*

Site Name: *Palmillo 3 State Com (352,241) Pad*

Well Name: *Palmillo 3 State Com 352H*

Plan: *P1:V3 (Current plan)*

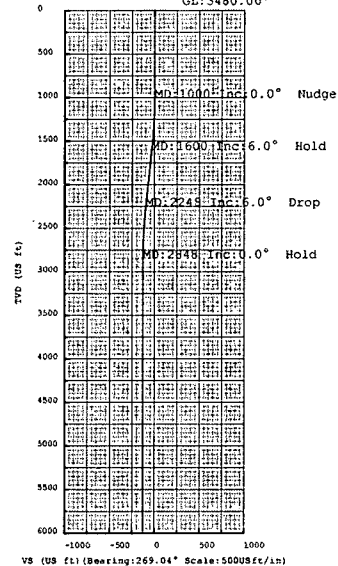
20 November 2019



Weatherford®

Apache

Palmillo 3 State Com 352H Eddy Co, New Mexico



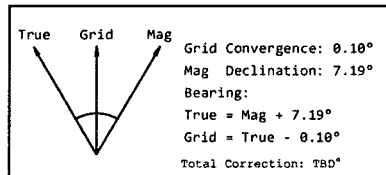
Weatherford

Plan Data for Palmillo 3 State Com 352H

Plan Point Information:									
Dogleg Severity Unit: */100.00ft				Position offsets from Slot centre					
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS Comments
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
0.00	0.00	0.00	0.00	-0.00	0.00	612822.80	595881.20	0.00	0.00
1000.00	0.00	0.00	1000.00	-0.00	0.00	612822.80	595881.20	0.00	0.00 Nudge
1600.06	6.00	81.19	1598.96	4.81	31.02	612827.61	595832.22	-31.10	1.00 Hold
2248.18	6.00	81.19	2243.54	15.19	97.98	612837.99	595899.18	-98.22	0.00 Drop
2848.24	0.00	0.00	2842.50	20.00	129.00	612842.80	595930.20	-129.32	1.00 Hold
8833.54	0.00	0.00	8827.80	20.00	129.00	612842.80	595930.20	-129.32	0.00 KOP
8802.80	92.31	268.84	8504.88	9.92	-367.61	612832.72	595433.59	367.39	12.00 LP
11280.43	92.31	268.84	8405.00	-40.30	-2842.72	612782.50	592958.48	2843.00	0.00 TI/Drop
11423.25	89.45	268.84	8402.80	-43.19	-2985.48	612779.61	592815.72	2985.78	2.00 Hold
11616.21	89.45	268.84	8404.64	-47.10	-3178.39	612775.70	592622.81	3178.73	0.00 Build
11769.51	92.52	268.84	8402.00	-50.21	-3331.62	612772.59	592469.58	3331.99	2.00 T2
13384.28	92.52	268.84	8331.00	-82.90	-4944.50	612739.90	590856.70	4945.19	0.00 PBHL 352H

Plan Data for Palmillo 3 State Com 352H

Target Set Information:									
Name: Palmillo3 352H									
Position offsets from Slot centre									
Name	TVD Elevation	+N/-S	+E/-W	Northing	Easting	(USft)	(USft)	(USft)	(USft)
VP 8027.80	-4521.80	20.00	129.00	612842.80	595930.20				
LP 8506.00	-5000.00	10.52	-339.04	612833.32	595462.16				
T1 8405.00	-4899.00	-40.30	-2842.72	612782.50	592958.48				
T2 8402.00	-4896.00	-50.21	-3331.62	612772.59	592469.58				
PBHL 352H 8331.00	-4825.00	-82.90	-4944.50	612739.90	590856.70				



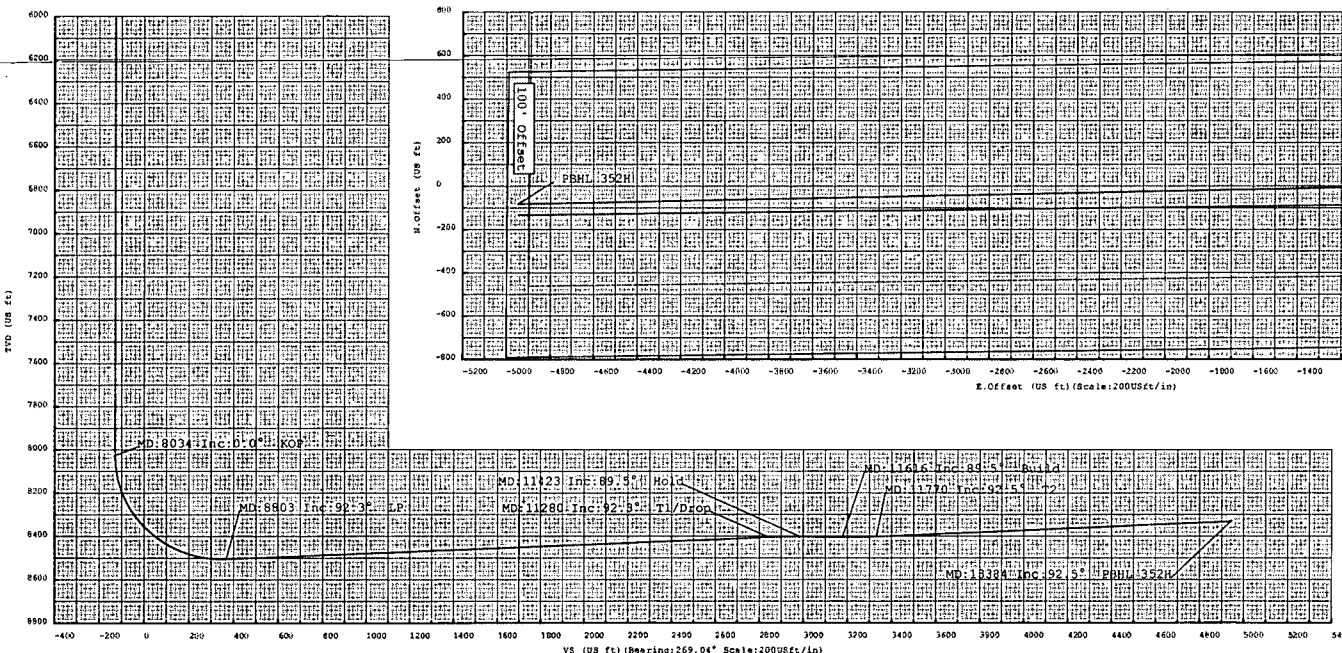
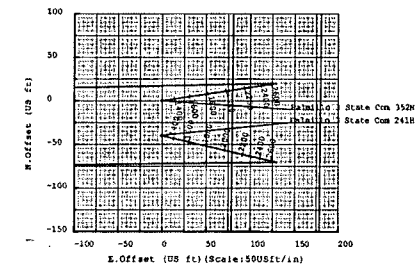
Plan Data for Palmillo 3 State Com 352H

Field: Apache NM (Nad 83 NMEZ)
Map Unit: USFt
Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (ftUS)

Site: Palmillo 3 State Com (352,241) Pad
Unit: USFeet
TVD Reference:
Company Name: Apache Corporation
Position:
Northing: 612822.80USft
Easting: 595881.20USft
Latitude: 32.684569°
Longitude: -104.156309°
North Reference: Grid
Grid Convergence: 0.10°
Elevation Above VRD: 3480.00USft
Comment: Eddie Co., NM

Slot: Palmillo 3 State Com 352H
Position:
Offset is from Site centre
+N/-S: 0.00USft
+E/-W: 0.00USft
Northing: 612822.80USft
Easting: 595881.20USft
Latitude: 32.684569°
Longitude: -104.156309°
Elevation Above VRD: 3480.00USft

Well: Palmillo 3 State Com 352H
Type: Main-Well
File Number:
Plan Folder: P1
Plan: P1:V3
Vertical Section: Position offset of origin from Slot centre:
+N/-S: -0.00USft
+E/-W: 0.00USft
Azimuth: 269.04°
Magnetic Parameters:
Field Strength: 7.19°
Declination: 60.40°
Dip: 2019-12-25




Weatherford®

Palmillo 3 State Com 352H

Field Name:	Map Units: US ft Vertical Reference Datum (VRD): Mean Sea Level Projected Coordinate System: NAD83 / New Mexico East (ftUS) Comment:	Company Name: Apache Corporation
Site:	Units: US ft North Reference: Grid Position: Northings: 612822.80 US ft Latitude: 32.684568960 Easting: 595801.20 US ft Longitude: -104.156309448 Elevation above MSL: 3480.00 US ft Comment: Eddie Co., NM	
Slot:	Position (Relative to Site Centre) +N/-S: 0.00 US ft Northings: 612822.80 US ft Latitude: 32.684568960 +E/-W: 0.00 US ft Easting: 595801.20 US ft Longitude: -104.156309448 Slot TVD Reference: Ground Elevation Elevation above MSL: 3480.00 US ft Comment:	
Well:	Type: Main well UWI: Plan: P1:V3 (Current plan) File Number: Comment: Closure Distance: 4945.19 US ft Closure Azimuth: 269.04° Vertical Section: Position of Origin (Relative to Slot centre) +N/-S: -0.00 US ft +E/-W: 0.00 US ft Az: 269.04° Magnetic Parameters: Model: bggm2019 Field Strength: Declination: 7.19° Dip: 60.40° Date: 25/Dec/2019 47870.9nT	

Drill floor: Plan: P1:V3 (Current plan)
Rig Height (Drill Floor): 26.00 US ft **Elevation above MSL:** 3506.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00°

Target set: Palmillo3 352H Comment:

Target Name:	Shape:	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northings (US ft)	Easting (US ft)	C.Pt. Distance (US ft)	Comment
VP	Point	8027.80	20.00	129.00	612842.80	595930.20	0.00	
LP	Point	8506.00	10.52	-339.04	612833.32	595462.16	0.83	
T1	Point	8405.00	-40.30	-2842.72	612782.50	592958.48	0.00	
T2	Point	8402.00	-50.21	-3331.62	612772.59	592469.58	0.00	
PBHL 352H	Point	8331.00	-82.90	-4944.50	612739.90	590856.70	0.00	

5D Plan Report

Tie Point:										
MD: 0.00USFt	Inclination: 0.00°	Azimuth: 0.00°	TVD: 0.00USFt	North Offset: - 0.00USFt	East Offset: 0.00USFt					

Wellpath created using minimum curvature.

Salient Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
1000.00	0.00	0.00	1000.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	Nudge
1600.06	6.00	81.19	1598.96	-31.10	4.81	31.02	612827.61	595832.22	1.00	Hold
2248.18	6.00	81.19	2243.54	-98.22	15.19	97.98	612837.99	595899.18	0.00	Drop
2848.24	0.00	0.00	2842.50	-129.32	20.00	129.00	612842.80	595930.20	1.00	Hold
8033.54	0.00	0.00	8027.80	-129.32	20.00	129.00	612842.80	595930.20	0.00	KOP
8802.80	92.31	268.84	8504.88	367.39	9.92	-367.61	612832.72	595433.59	12.00	LP
11280.43	92.31	268.84	8405.00	2843.00	-40.30	-2842.72	612782.50	592958.48	0.00	T1/Drop
11423.25	89.45	268.84	8402.80	2985.78	-43.19	-2985.48	612779.61	592815.72	2.00	Hold
11616.21	89.45	268.84	8404.64	3178.73	-47.10	-3178.39	612775.70	592622.81	0.00	Build
11769.51	92.52	268.84	8402.00	3331.99	-50.21	-3331.62	612772.59	592469.58	2.00	T2
13384.28	92.52	268.84	8331.00	4945.19	-82.90	-4944.50	612739.90	590856.70	0.00	PBHL 352H

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
100.00	0.00	0.00	100.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
200.00	0.00	0.00	200.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
300.00	0.00	0.00	300.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
400.00	0.00	0.00	400.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
500.00	0.00	0.00	500.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
600.00	0.00	0.00	600.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
700.00	0.00	0.00	700.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
800.00	0.00	0.00	800.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
900.00	0.00	0.00	900.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	
1000.00	0.00	0.00	1000.00	-0.00	-0.00	0.00	612822.80	595801.20	0.00	Nudge
1100.00	1.00	81.19	1099.99	-0.86	0.13	0.86	612822.93	595802.06	1.00	
1200.00	2.00	81.19	1199.96	-3.46	0.53	3.45	612823.33	595804.65	1.00	
1300.00	3.00	81.19	1299.86	-7.78	1.20	7.76	612824.00	595808.96	1.00	
1400.00	4.00	81.19	1399.68	-13.83	2.14	13.79	612824.94	595814.99	1.00	
1500.00	5.00	81.19	1499.37	-21.60	3.34	21.55	612826.14	595822.75	1.00	
1600.00	6.00	81.19	1598.90	-31.09	4.81	31.02	612827.61	595832.22	1.00	
1600.06	6.00	81.19	1598.96	-31.10	4.81	31.02	612827.61	595832.22	0.00	Hold
1700.00	6.00	81.19	1698.36	-41.45	6.41	41.35	612829.21	595842.55	0.00	
1800.00	6.00	81.19	1797.81	-51.80	8.01	51.68	612830.81	595852.88	0.00	
1900.00	6.00	81.19	1897.26	-62.16	9.61	62.01	612832.41	595863.21	0.00	
2000.00	6.00	81.19	1996.71	-72.52	11.22	72.34	612834.02	595873.54	0.00	
2100.00	6.00	81.19	2096.16	-82.87	12.82	82.67	612835.62	595883.87	0.00	
2200.00	6.00	81.19	2195.62	-93.23	14.42	93.00	612837.22	595894.20	0.00	
2248.18	6.00	81.19	2243.54	-98.22	15.19	97.98	612837.99	595899.18	0.00	Drop
2300.00	5.48	81.19	2295.09	-103.35	15.98	103.10	612838.78	595904.30	1.00	
2400.00	4.48	81.19	2394.71	-111.96	17.32	111.68	612840.12	595912.88	1.00	
2500.00	3.48	81.19	2494.47	-118.84	18.38	118.55	612841.18	595919.75	1.00	
2600.00	2.48	81.19	2594.33	-123.99	19.18	123.69	612841.98	595924.89	1.00	
2700.00	1.48	81.19	2694.27	-127.42	19.71	127.10	612842.51	595928.30	1.00	
2800.00	0.48	81.19	2794.26	-129.12	19.97	128.80	612842.77	595930.00	1.00	
2848.24	0.00	0.00	2842.50	-129.32	20.00	129.00	612842.80	595930.20	1.00	Hold
2900.00	0.00	0.00	2894.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
3000.00	0.00	0.00	2994.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
3100.00	0.00	0.00	3094.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
3200.00	0.00	0.00	3194.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
3300.00	0.00	0.00	3294.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
3400.00	0.00	0.00	3394.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
3500.00	0.00	0.00	3494.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
3600.00	0.00	0.00	3594.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
3700.00	0.00	0.00	3694.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
3800.00	0.00	0.00	3794.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
3900.00	0.00	0.00	3894.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4000.00	0.00	0.00	3994.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4100.00	0.00	0.00	4094.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4200.00	0.00	0.00	4194.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4300.00	0.00	0.00	4294.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4400.00	0.00	0.00	4394.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4500.00	0.00	0.00	4494.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4600.00	0.00	0.00	4594.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4700.00	0.00	0.00	4694.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4800.00	0.00	0.00	4794.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
4900.00	0.00	0.00	4894.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5000.00	0.00	0.00	4994.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5100.00	0.00	0.00	5094.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5200.00	0.00	0.00	5194.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5300.00	0.00	0.00	5294.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5400.00	0.00	0.00	5394.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5500.00	0.00	0.00	5494.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5600.00	0.00	0.00	5594.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5700.00	0.00	0.00	5694.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5800.00	0.00	0.00	5794.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
5900.00	0.00	0.00	5894.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6000.00	0.00	0.00	5994.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6100.00	0.00	0.00	6094.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6200.00	0.00	0.00	6194.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6300.00	0.00	0.00	6294.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6400.00	0.00	0.00	6394.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6500.00	0.00	0.00	6494.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6600.00	0.00	0.00	6594.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6700.00	0.00	0.00	6694.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6800.00	0.00	0.00	6794.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
6900.00	0.00	0.00	6894.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7000.00	0.00	0.00	6994.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7100.00	0.00	0.00	7094.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7200.00	0.00	0.00	7194.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7300.00	0.00	0.00	7294.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7400.00	0.00	0.00	7394.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7500.00	0.00	0.00	7494.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7600.00	0.00	0.00	7594.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7700.00	0.00	0.00	7694.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7800.00	0.00	0.00	7794.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
7900.00	0.00	0.00	7894.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
8000.00	0.00	0.00	7994.26	-129.32	20.00	129.00	612842.80	595930.20	0.00	
8033.54	0.00	0.00	8027.80	-129.32	20.00	129.00	612842.80	595930.20	0.00	KOP
8100.00	7.97	268.84	8094.04	-124.70	19.91	124.38	612842.71	595925.58	12.00	
8200.00	19.97	268.84	8190.90	-100.59	19.42	100.28	612842.22	595901.48	12.00	
8300.00	31.97	268.84	8280.64	-56.88	18.53	56.57	612841.33	595857.77	12.00	
8400.00	43.97	268.84	8359.32	4.54	17.28	-4.83	612840.08	595796.37	12.00	
8500.00	55.97	268.84	8423.52	80.98	15.73	-81.25	612838.53	595719.95	12.00	
8600.00	67.97	268.84	8470.42	169.09	13.95	-169.35	612836.75	595631.85	12.00	
8700.00	79.97	268.84	8497.97	265.03	12.00	-265.27	612834.80	595535.93	12.00	
8800.00	91.97	268.84	8504.98	364.60	9.98	-364.82	612832.78	595436.38	12.00	
8802.80	92.31	268.84	8504.88	367.39	9.92	-367.61	612832.72	595433.59	12.00	LP
8900.00	92.31	268.84	8500.96	464.52	7.95	-464.71	612830.75	595336.49	0.00	
9000.00	92.31	268.84	8496.93	564.43	5.93	-564.61	612828.73	595236.59	0.00	
9100.00	92.31	268.84	8492.90	664.35	3.90	-664.51	612826.70	595136.69	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre) (TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
9200.00	92.31	268.84	8488.86	764.27	1.87	-764.41	612824.67	595036.79	0.00	
9300.00	92.31	268.84	8484.83	864.19	-0.16	-864.31	612822.64	594936.89	0.00	
9400.00	92.31	268.84	8480.80	964.11	-2.18	-964.21	612820.62	594836.99	0.00	
9500.00	92.31	268.84	8476.77	1064.02	-4.21	-1064.10	612818.59	594737.10	0.00	
9600.00	92.31	268.84	8472.74	1163.94	-6.24	-1164.00	612816.56	594637.20	0.00	
9700.00	92.31	268.84	8468.71	1263.86	-8.26	-1263.90	612814.54	594537.30	0.00	
9800.00	92.31	268.84	8464.68	1363.78	-10.29	-1363.80	612812.51	594437.40	0.00	
9900.00	92.31	268.84	8460.65	1463.70	-12.32	-1463.70	612810.48	594337.50	0.00	
10000.00	92.31	268.84	8456.62	1563.62	-14.34	-1563.59	612808.46	594237.61	0.00	
10100.00	92.31	268.84	8452.58	1663.53	-16.37	-1663.49	612806.43	594137.71	0.00	
10200.00	92.31	268.84	8448.55	1763.45	-18.40	-1763.39	612804.40	594037.81	0.00	
10300.00	92.31	268.84	8444.52	1863.37	-20.43	-1863.29	612802.37	593937.91	0.00	
10400.00	92.31	268.84	8440.49	1963.29	-22.45	-1963.19	612800.35	593838.01	0.00	
10500.00	92.31	268.84	8436.46	2063.21	-24.48	-2063.08	612798.32	593738.12	0.00	
10600.00	92.31	268.84	8432.43	2163.12	-26.51	-2162.98	612796.29	593638.22	0.00	
10700.00	92.31	268.84	8428.40	2263.04	-28.53	-2262.88	612794.27	593538.32	0.00	
10800.00	92.31	268.84	8424.37	2362.96	-30.56	-2362.78	612792.24	593438.42	0.00	
10900.00	92.31	268.84	8420.34	2462.88	-32.59	-2462.68	612790.21	593338.52	0.00	
11000.00	92.31	268.84	8416.30	2562.80	-34.62	-2562.58	612788.18	593238.62	0.00	
11100.00	92.31	268.84	8412.27	2662.71	-36.64	-2662.47	612786.16	593138.73	0.00	
11200.00	92.31	268.84	8408.24	2762.63	-38.67	-2762.37	612784.13	593038.83	0.00	
11280.43	92.31	268.84	8405.00	2843.00	-40.30	-2842.72	612782.50	592958.48	0.00	T1/Drop
11300.00	91.92	268.84	8404.28	2862.55	-40.70	-2862.27	612782.10	592938.93	2.00	
11400.00	89.92	268.84	8402.67	2962.53	-42.72	-2962.23	612780.08	592838.97	2.00	
11423.25	89.45	268.84	8402.80	2985.78	-43.19	-2985.48	612779.61	592815.72	2.00	Hold
11500.00	89.45	268.84	8403.53	3062.53	-44.75	-3062.21	612778.05	592738.99	0.00	
11600.00	89.45	268.84	8404.49	3162.52	-46.78	-3162.18	612776.02	592639.02	0.00	
11616.21	89.45	268.84	8404.64	3178.73	-47.10	-3178.39	612775.70	592622.81	0.00	Build
11700.00	91.13	268.84	8404.21	3262.52	-48.80	-3262.16	612774.00	592539.04	2.00	
11769.51	92.52	268.84	8402.00	3331.99	-50.21	-3331.62	612772.59	592469.58	2.00	T2
11800.00	92.52	268.84	8400.66	3362.45	-50.83	-3362.07	612771.97	592439.13	0.00	
11900.00	92.52	268.84	8396.26	3462.35	-52.85	-3461.96	612769.95	592339.24	0.00	
12000.00	92.52	268.84	8391.87	3562.26	-54.88	-3561.84	612767.92	592239.36	0.00	
12100.00	92.52	268.84	8387.47	3662.16	-56.90	-3661.72	612765.90	592139.48	0.00	
12200.00	92.52	268.84	8383.07	3762.06	-58.92	-3761.60	612763.88	592039.60	0.00	
12300.00	92.52	268.84	8378.67	3861.97	-60.95	-3861.49	612761.85	591939.71	0.00	
12400.00	92.52	268.84	8374.28	3961.87	-62.97	-3961.37	612759.83	591839.83	0.00	
12500.00	92.52	268.84	8369.88	4061.77	-65.00	-4061.25	612757.80	591739.95	0.00	
12600.00	92.52	268.84	8365.48	4161.67	-67.02	-4161.13	612755.78	591640.07	0.00	
12700.00	92.52	268.84	8361.09	4261.58	-69.05	-4261.02	612753.75	591540.18	0.00	
12800.00	92.52	268.84	8356.69	4361.48	-71.07	-4360.90	612751.73	591440.30	0.00	
12900.00	92.52	268.84	8352.29	4461.38	-73.10	-4460.78	612749.70	591340.42	0.00	
13000.00	92.52	268.84	8347.90	4561.28	-75.12	-4560.67	612747.68	591240.53	0.00	
13100.00	92.52	268.84	8343.50	4661.19	-77.14	-4660.55	612745.66	591140.65	0.00	
13200.00	92.52	268.84	8339.10	4761.09	-79.17	-4760.43	612743.63	591040.77	0.00	
13300.00	92.52	268.84	8334.71	4860.99	-81.19	-4860.31	612741.61	590940.89	0.00	
13384.28	92.52	268.84	8331.00	4945.19	-82.90	-4944.50	612739.90	590856.70	0.00	PBHL 352H

**5D Anti-Collision Report****Apache Corporation****Field Name:** *Apache NM (Nad 83 NMEZ)***Site Name:** *Palmillo 3 State Com (352,241) Pad***Well Name:** *Palmillo 3 State Com 352H*

20 November 2019

**Weatherford®**



Palmillo 3 State Com 352H

Field Name: Apache NM (Nad 83 NMEZ)	Map Units: US ft Company Name: Apache Corporation Vertical Reference Datum (VRD): Mean Sea Level Projected Coordinate System: NAD83 / New Mexico East (ftUS) Comment:		
Site: Palmillo 3 State Com (352,241) Pad	Units: US ft North Reference: Grid Position:	Convergence Angle: 0.10 Northings: 612822.80 US ft Easting: 595801.20 US ft	Latitude: 32.684568960 Longitude: -104.156309448
	Elevation above MSL: 3480.00 US ft Comment: Eddie Co., NM		
Slot: Palmillo 3 State Com 352H	Position (Relative to Site Centre) +N/-S: 0.00 US ft Northings: 612822.80 US ft Latitude: 32.684568960 +E/-W: 0.00 US ft Easting: 595801.20 US ft Longitude: -104.156309448 Slot TVD Reference: Ground Elevation Elevation above MSL: 3480.00 US ft Comment:		
Well: Palmillo 3 State Com 352H	Type: Main well File Number: Comment: Closure Distance: 4945.19 US ft Vertical Section: Position of Origin (Relative to Slot centre) +N/-S: -0.00 US ft Magnetic Parameters: Model: bggm2019 Field Strength: 47870.9nT	UWI: Closure Azimuth: 269.04° +E/-W: 0.00 US ft Declination: 7.19°	Plan: P1:V3 Az: 269.04° Dip: 60.40° Date: 25/Dec/2019
Drill floor: Plan: P1:V3 Rig Height (Drill Floor): 26.00 US ft Elevation above MSL: 3506.00 US ft Inclination: 0.00° Azimuth: 0.00°			

5D Anti-Collision Report

Anti-Collision Analysis Criteria			
Primary Well		Palmillo 3 State Com 352H (p)	
Depth Range	0.00 - 13384.28 US ft	Analysis Interval	100.00US ft
Orientation of Ellipsoid dimensions	Wellbore (High Side, Lateral, Along Hole)	AC Filter Info:	Separation Factor: 5
Separation Factor Method	STANDARD	Uncertainties computed at	2σ
Analysis Method	Vector Separation	Ellipsoid Combination Method	Independent
Surface uncertainty	Not Applied		
Secondary Well Names:		Palmillo 3 State Com 241H (p)	

Report Terminology	
Ellipsoid Parameters	
TVD Spread:	Dimension in the TVD Direction.
Ellipse Parameters	
S.Minor, S.Major:	Dimensions of the bounding ellipse in the High Side, Lateral plane.
PHI:	Angle between HS and S.Minor axes.
AC Parameters	
ES:	Distance between the extremities of the primary and secondary uncertainty ellipsoids in the direction Cr-Cr.
CC:	3D closest approach distance from a point on the primary well to the secondary well.
T.Face to Sec:	Angle between the Hi-Side vector of the primary well at the current location and line of closest approach between the two wells.

Survey Tool Ranges: (Using Anticipated Survey Programme)			
Name	Start MD(USft)	End MD(USft)	Source Survey
MWD + IFR1_OW2	0.00	7954.24	ASP
MWD+IFR1+SAG+FDIR	7954.24	13303.98	ASP
MWD	13303.98	13384.28	Default Tool

Wellpath created using minimum curvature.

Anti-Collision Summary (TVD relative to Drill Floor)								
SF								
Secondary Well Name	Pri MD (US ft)	Pri TVD (US ft)	Sec MD (US ft)	Sec TVD (US ft)	ES (US ft)	CC (US ft)	SF	Risk
Palmillo 3 State Com 241H (p)	7027.34	7021.60	7028.12	7021.10	40.32	90.49	1.80	SF(Lo)
CC								
Secondary Well Name	Pri MD (US ft)	Pri TVD (US ft)	Sec MD (US ft)	Sec TVD (US ft)	ES (US ft)	CC (US ft)	SF	Risk
Palmillo 3 State Com 241H (p)	0.00	0.00	1.00	0.00	39.27	40.00	54.57	

Range Summary		
Secondary Well Name: Palmillo 3 State Com 241H (p)		
SF		
Start MD (US ft)	End MD (US ft)	Risk
5100.00	7200.00	SF (Lo)

Primary Well: Palmillo 3 State Com 352H (p) (TVD relative to Drill Floor) (All Azimuth Relative to GRID NORTH)											
Pri MD (US ft)	Inc (°)	Az (°)	Pri TVD (US ft)	S.Major (US ft)	S.Minor (US ft)	T.Face to Sec (°)	ES (US ft)	CC (US ft)	SF	Nearest Well	Risk
1100.00	1.00	81.19	1099.99	3.76	3.76	99.23	32.10	40.34	4.89	Palmillo 3 State Com 241H (p)	
1200.00	2.00	81.19	1199.96	4.10	4.10	99.25	32.41	41.34	4.63	Palmillo 3 State Com 241H (p)	
1300.00	3.00	81.19	1299.86	4.45	4.45	99.28	33.39	43.01	4.47	Palmillo 3 State Com 241H (p)	
1400.00	4.00	81.19	1399.67	4.80	4.79	99.34	35.02	45.34	4.40	Palmillo 3 State Com 241H (p)	

5D Anti-Collision Report

Primary Well: Palmillo 3 State Com 352H (p)(TVD relative to Drill Floor)(All Azimuth Relative to GRID NORTH)												
Pri MD (US ft)	Inc (°)	Az (°)	Pri TVD (US ft)	S.Major (US ft)	S.Minor (US ft)	T.Face to Sec (°)	ES (US ft)	CC (US ft)	SF	Nearest Well	Risk	
1500.00	5.00	81.19	1499.36	5.16	5.14	99.41	37.32	48.33	4.39	Palmillo 3 State Com 241H (p)		
1600.00	6.00	81.19	1598.90	5.51	5.48	99.48	40.27	51.99	4.44	Palmillo 3 State Com 241H (p)		
1700.00	6.00	81.19	1698.35	5.87	5.84	99.60	43.55	55.97	4.50	Palmillo 3 State Com 241H (p)		
1800.00	6.00	81.19	1797.81	6.23	6.19	99.69	46.82	59.96	4.56	Palmillo 3 State Com 241H (p)		
1900.00	6.00	81.19	1897.26	6.59	6.55	99.78	50.09	63.95	4.62	Palmillo 3 State Com 241H (p)		
2000.00	6.00	81.19	1996.71	6.95	6.90	99.85	53.36	67.93	4.66	Palmillo 3 State Com 241H (p)		
2100.00	6.00	81.19	2096.16	7.31	7.26	99.92	56.63	71.92	4.70	Palmillo 3 State Com 241H (p)		
2200.00	6.00	81.19	2195.61	7.67	7.62	99.98	59.89	75.91	4.74	Palmillo 3 State Com 241H (p)		
2300.00	5.48	81.19	2295.09	8.03	7.98	99.93	63.11	79.84	4.77	Palmillo 3 State Com 241H (p)		
2400.00	4.48	81.19	2394.71	8.40	8.35	99.69	65.79	83.25	4.77	Palmillo 3 State Com 241H (p)		
2500.00	3.48	81.19	2494.47	8.76	8.71	99.45	67.82	86.00	4.73	Palmillo 3 State Com 241H (p)		
2600.00	2.48	81.19	2594.33	9.12	9.07	99.22	69.18	88.09	4.66	Palmillo 3 State Com 241H (p)		
2700.00	1.48	81.19	2694.27	9.47	9.42	98.97	69.88	89.51	4.56	Palmillo 3 State Com 241H (p)		
2800.00	0.48	81.19	2794.26	9.83	9.77	98.72	69.93	90.26	4.44	Palmillo 3 State Com 241H (p)		
2900.00	0.00	0.00	2894.26	10.18	10.12	179.75	69.36	90.40	4.30	Palmillo 3 State Com 241H (p)		
3000.00	0.00	0.00	2994.26	10.53	10.47	179.75	68.67	90.40	4.16	Palmillo 3 State Com 241H (p)		
3100.00	0.00	0.00	3094.26	10.88	10.82	179.75	67.97	90.40	4.03	Palmillo 3 State Com 241H (p)		
3200.00	0.00	0.00	3194.26	11.23	11.17	179.75	67.26	90.40	3.91	Palmillo 3 State Com 241H (p)		
3300.00	0.00	0.00	3294.26	11.58	11.53	179.75	66.56	90.40	3.79	Palmillo 3 State Com 241H (p)		
3400.00	0.00	0.00	3394.26	11.94	11.88	179.75	65.86	90.40	3.68	Palmillo 3 State Com 241H (p)		
3500.00	0.00	0.00	3494.26	12.29	12.23	179.75	65.15	90.40	3.58	Palmillo 3 State Com 241H (p)		
3600.00	0.00	0.00	3594.26	12.64	12.58	179.75	64.45	90.40	3.48	Palmillo 3 State Com 241H (p)		
3700.00	0.00	0.00	3694.26	13.00	12.94	179.75	63.74	90.40	3.39	Palmillo 3 State Com 241H (p)		
3800.00	0.00	0.00	3794.26	13.35	13.29	179.75	63.04	90.40	3.30	Palmillo 3 State Com 241H (p)		
3900.00	0.00	0.00	3894.26	13.70	13.65	179.75	62.33	90.40	3.22	Palmillo 3 State Com 241H (p)		

5D Anti-Collision Report

Primary Well: Palmillo 3 State Com 352H (p)(TVD relative to Drill Floor)(All Azimuth Relative to GRID NORTH)												
Pri MD (US ft)	Inc (°)	Az (°)	Pri TVD (US ft)	S.Major (US ft)	S.Minor (US ft)	T.Face to Sec (°)	ES (US ft)	CC (US ft)	SF	Nearest Well	Risk	
4000.00	0.00	0.00	3994.26	14.06	14.00	179.75	61.62	90.40	3.14	Palmillo 3 State Com 241H (p)		
4100.00	0.00	0.00	4094.26	14.41	14.35	179.75	60.92	90.40	3.07	Palmillo 3 State Com 241H (p)		
4200.00	0.00	0.00	4194.26	14.77	14.71	179.75	60.21	90.40	2.99	Palmillo 3 State Com 241H (p)		
4300.00	0.00	0.00	4294.26	15.12	15.06	179.75	59.50	90.40	2.93	Palmillo 3 State Com 241H (p)		
4400.00	0.00	0.00	4394.26	15.48	15.42	179.75	58.79	90.40	2.86	Palmillo 3 State Com 241H (p)		
4500.00	0.00	0.00	4494.26	15.83	15.77	179.75	58.08	90.40	2.80	Palmillo 3 State Com 241H (p)		
4600.00	0.00	0.00	4594.26	16.19	16.13	179.75	57.37	90.40	2.74	Palmillo 3 State Com 241H (p)		
4700.00	0.00	0.00	4694.26	16.54	16.49	179.75	56.66	90.40	2.68	Palmillo 3 State Com 241H (p)		
4800.00	0.00	0.00	4794.26	16.90	16.84	179.75	55.95	90.40	2.62	Palmillo 3 State Com 241H (p)		
4900.00	0.00	0.00	4894.26	17.26	17.20	179.75	55.24	90.40	2.57	Palmillo 3 State Com 241H (p)		
5000.00	0.00	0.00	4994.26	17.61	17.55	179.75	54.53	90.40	2.52	Palmillo 3 State Com 241H (p)		
5100.00	0.00	0.00	5094.26	17.97	17.91	179.75	53.82	90.40	2.47	Palmillo 3 State Com 241H (p)	SF(Lo)	
5200.00	0.00	0.00	5194.26	18.32	18.26	179.75	53.11	90.40	2.42	Palmillo 3 State Com 241H (p)	SF(Lo)	
5300.00	0.00	0.00	5294.26	18.68	18.62	179.75	52.40	90.40	2.38	Palmillo 3 State Com 241H (p)	SF(Lo)	
5400.00	0.00	0.00	5394.26	19.04	18.98	179.75	51.68	90.40	2.33	Palmillo 3 State Com 241H (p)	SF(Lo)	
5500.00	0.00	0.00	5494.26	19.39	19.33	179.75	50.97	90.40	2.29	Palmillo 3 State Com 241H (p)	SF(Lo)	
5600.00	0.00	0.00	5594.26	19.75	19.69	179.75	50.26	90.40	2.25	Palmillo 3 State Com 241H (p)	SF(Lo)	
5700.00	0.00	0.00	5694.26	20.10	20.05	179.75	49.55	90.40	2.21	Palmillo 3 State Com 241H (p)	SF(Lo)	
5800.00	0.00	0.00	5794.26	20.46	20.40	179.75	48.84	90.40	2.17	Palmillo 3 State Com 241H (p)	SF(Lo)	
5900.00	0.00	0.00	5894.26	20.82	20.76	179.75	48.12	90.40	2.14	Palmillo 3 State Com 241H (p)	SF(Lo)	
6000.00	0.00	0.00	5994.26	21.17	21.12	179.75	47.41	90.40	2.10	Palmillo 3 State Com 241H (p)	SF(Lo)	
6100.00	0.00	0.00	6094.26	21.53	21.47	179.75	46.70	90.40	2.07	Palmillo 3 State Com 241H (p)	SF(Lo)	
6200.00	0.00	0.00	6194.26	21.89	21.83	179.75	45.98	90.40	2.04	Palmillo 3 State Com 241H (p)	SF(Lo)	
6300.00	0.00	0.00	6294.26	22.25	22.19	179.75	45.27	90.40	2.00	Palmillo 3 State Com 241H (p)	SF(Lo)	
6400.00	0.00	0.00	6394.26	22.60	22.54	179.75	44.56	90.40	1.97	Palmillo 3 State Com 241H (p)	SF(Lo)	

5D Anti-Collision Report

Primary Well: Palmillo 3 State Com 352H (p)(TVD relative to Drill Floor)(All Azimuth Relative to GRID NORTH)												
Pri MD (US ft)	Inc (°)	Az (°)	Pri TVD (US ft)	S.Major (US ft)	S.Minor (US ft)	T.Face to Sec (°)	ES (US ft)	CC (US ft)	SF	Nearest Well	Risk	
6500.00	0.00	0.00	6494.26	22.96	22.90	179.75	43.84	90.40	1.94	Palmillo 3 State Com 241H (p)	SF(Lo)	
6600.00	0.00	0.00	6594.26	23.32	23.26	179.75	43.13	90.40	1.91	Palmillo 3 State Com 241H (p)	SF(Lo)	
6700.00	0.00	0.00	6694.26	23.67	23.61	179.75	42.42	90.40	1.88	Palmillo 3 State Com 241H (p)	SF(Lo)	
6800.00	0.00	0.00	6794.26	24.03	23.97	179.75	41.70	90.40	1.86	Palmillo 3 State Com 241H (p)	SF(Lo)	
6900.00	0.00	0.00	6894.26	24.39	24.33	179.75	40.99	90.40	1.83	Palmillo 3 State Com 241H (p)	SF(Lo)	
7000.00	0.00	0.00	6994.26	24.74	24.69	180.35	40.33	90.41	1.81	Palmillo 3 State Com 241H (p)	SF(Lo)	
7027.34	0.00	0.00	7021.60	24.84	24.78	181.92	40.32	90.49	1.80	Palmillo 3 State Com 241H (p)	SF(Lo)	
7100.00	0.00	0.00	7094.26	25.10	25.04	190.27	42.25	92.20	1.85	Palmillo 3 State Com 241H (p)	SF(Lo)	
7200.00	0.00	0.00	7194.26	25.46	25.40	207.27	60.91	104.94	2.38	Palmillo 3 State Com 241H (p)	SF(Lo)	
7300.00	0.00	0.00	7294.26	25.82	25.76	222.65	103.05	137.59	3.98	Palmillo 3 State Com 241H (p)		
Secondary Well: Palmillo 3 State Com 241H (p)(TVD relative to Drill Floor)(All Azimuth Relative to GRID NORTH)												
Pri MD (US ft)	Sec MD (US ft)	Sec TVD (US ft)	Pri TVD (US ft)	Inc (°)	Az (°)	S.Major (US ft)	S.Minor (US ft)	T.Face to Sec (°)	ES (US ft)	CC (US ft)	SF	Risk
1100.00	1100.84	1099.84	1099.99	1.01	103.19	3.76	3.76	99.23	32.10	40.34	4.89	
1200.00	1200.68	1199.64	1199.96	2.01	103.19	4.10	4.09	99.25	32.41	41.34	4.63	
1300.00	1300.50	1299.37	1299.86	3.01	103.19	4.44	4.43	99.28	33.39	43.01	4.47	
1400.00	1400.31	1398.98	1399.67	4.00	103.19	4.79	4.77	99.34	35.02	45.34	4.40	
1500.00	1500.09	1498.45	1499.36	5.00	103.19	5.13	5.11	99.41	37.32	48.33	4.39	
1600.00	1599.83	1597.74	1598.90	6.00	103.19	5.49	5.46	99.48	40.27	51.99	4.44	
1700.00	1699.75	1697.11	1698.35	6.00	103.19	5.84	5.81	99.60	43.55	55.97	4.50	
1800.00	1799.67	1796.48	1797.81	6.00	103.19	6.20	6.16	99.69	46.82	59.96	4.56	
1900.00	1899.59	1895.86	1897.26	6.00	103.19	6.55	6.51	99.78	50.09	63.95	4.62	
2000.00	1999.51	1995.23	1996.71	6.00	103.19	6.91	6.87	99.85	53.36	67.93	4.66	
2100.00	2099.43	2094.60	2096.16	6.00	103.19	7.27	7.23	99.92	56.63	71.92	4.70	
2200.00	2199.35	2193.98	2195.61	6.00	103.19	7.64	7.58	99.98	59.89	75.91	4.74	
2300.00	2299.35	2293.43	2295.09	5.75	103.19	8.00	7.94	99.93	63.11	79.84	4.77	
2400.00	2399.59	2393.25	2394.71	4.75	103.19	8.36	8.31	99.69	65.79	83.25	4.77	
2500.00	2499.86	2493.25	2494.47	3.75	103.19	8.72	8.67	99.45	67.82	86.00	4.73	
2600.00	2600.18	2593.40	2594.33	2.74	103.19	9.08	9.03	99.22	69.18	88.09	4.66	
2700.00	2700.52	2693.66	2694.27	1.74	103.19	9.44	9.38	98.97	69.88	89.51	4.56	
2800.00	2800.87	2793.99	2794.26	0.74	103.19	9.79	9.73	98.72	69.93	90.26	4.44	
2900.00	2901.14	2894.26	2894.26	0.00	0.00	10.15	10.08	179.75	69.36	90.40	4.30	
3000.00	3001.14	2994.26	2994.26	0.00	0.00	10.49	10.43	179.75	68.67	90.40	4.16	
3100.00	3101.14	3094.26	3094.26	0.00	0.00	10.84	10.78	179.75	67.97	90.40	4.03	
3200.00	3201.14	3194.26	3194.26	0.00	0.00	11.19	11.13	179.75	67.26	90.40	3.91	
3300.00	3301.14	3294.26	3294.26	0.00	0.00	11.54	11.48	179.75	66.56	90.40	3.79	
3400.00	3401.14	3394.26	3394.26	0.00	0.00	11.89	11.83	179.75	65.86	90.40	3.68	
3500.00	3501.14	3494.26	3494.26	0.00	0.00	12.24	12.18	179.75	65.15	90.40	3.58	
3600.00	3601.14	3594.26	3594.26	0.00	0.00	12.59	12.53	179.75	64.45	90.40	3.48	
3700.00	3701.14	3694.26	3694.26	0.00	0.00	12.94	12.88	179.75	63.74	90.40	3.39	
3800.00	3801.14	3794.26	3794.26	0.00	0.00	13.30	13.23	179.75	63.04	90.40	3.30	
3900.00	3901.14	3894.26	3894.26	0.00	0.00	13.65	13.59	179.75	62.33	90.40	3.22	

5D Anti-Collision Report

Secondary Well: Palmillo 3 State Com 241H (p)(TVD relative to Drill Floor)(All Azimuth Relative to GRID NORTH)													
Pri MD (US ft)	Sec MD (US ft)	Sec TVD (US ft)	Pri TVD (US ft)	Inc (°)	Az (°)	S.Major (US ft)	S.Minor (US ft)	T.Face to Sec (°)	ES (US ft)	CC (US ft)	SF	Risk	
4000.00	4001.14	3994.26	3994.26	0.00	0.00	14.00	13.94	179.75	61.62	90.40	3.14		
4100.00	4101.14	4094.26	4094.26	0.00	0.00	14.35	14.29	179.75	60.92	90.40	3.07		
4200.00	4201.14	4194.26	4194.26	0.00	0.00	14.71	14.64	179.75	60.21	90.40	2.99		
4300.00	4301.14	4294.26	4294.26	0.00	0.00	15.06	15.00	179.75	59.50	90.40	2.93		
4400.00	4401.14	4394.26	4394.26	0.00	0.00	15.41	15.35	179.75	58.79	90.40	2.86		
4500.00	4501.14	4494.26	4494.26	0.00	0.00	15.77	15.71	179.75	58.08	90.40	2.80		
4600.00	4601.14	4594.26	4594.26	0.00	0.00	16.12	16.06	179.75	57.37	90.40	2.74		
4700.00	4701.14	4694.26	4694.26	0.00	0.00	16.48	16.41	179.75	56.66	90.40	2.68		
4800.00	4801.14	4794.26	4794.26	0.00	0.00	16.83	16.77	179.75	55.95	90.40	2.62		
4900.00	4901.14	4894.26	4894.26	0.00	0.00	17.18	17.12	179.75	55.24	90.40	2.57		
5000.00	5001.14	4994.26	4994.26	0.00	0.00	17.54	17.48	179.75	54.53	90.40	2.52		
5100.00	5101.14	5094.26	5094.26	0.00	0.00	17.89	17.83	179.75	53.82	90.40	2.47	SF(Lo)	
5200.00	5201.14	5194.26	5194.26	0.00	0.00	18.25	18.19	179.75	53.11	90.40	2.42	SF(Lo)	
5300.00	5301.14	5294.26	5294.26	0.00	0.00	18.60	18.54	179.75	52.40	90.40	2.38	SF(Lo)	
5400.00	5401.14	5394.26	5394.26	0.00	0.00	18.96	18.90	179.75	51.68	90.40	2.33	SF(Lo)	
5500.00	5501.14	5494.26	5494.26	0.00	0.00	19.32	19.25	179.75	50.97	90.40	2.29	SF(Lo)	
5600.00	5601.14	5594.26	5594.26	0.00	0.00	19.67	19.61	179.75	50.26	90.40	2.25	SF(Lo)	
5700.00	5701.14	5694.26	5694.26	0.00	0.00	20.03	19.96	179.75	49.55	90.40	2.21	SF(Lo)	
5800.00	5801.14	5794.26	5794.26	0.00	0.00	20.38	20.32	179.75	48.84	90.40	2.17	SF(Lo)	
5900.00	5901.14	5894.26	5894.26	0.00	0.00	20.74	20.68	179.75	48.12	90.40	2.14	SF(Lo)	
6000.00	6001.14	5994.26	5994.26	0.00	0.00	21.09	21.03	179.75	47.41	90.40	2.10	SF(Lo)	
6100.00	6101.14	6094.26	6094.26	0.00	0.00	21.45	21.39	179.75	46.70	90.40	2.07	SF(Lo)	
6200.00	6201.14	6194.26	6194.26	0.00	0.00	21.81	21.74	179.75	45.98	90.40	2.04	SF(Lo)	
6300.00	6301.14	6294.26	6294.26	0.00	0.00	22.16	22.10	179.75	45.27	90.40	2.00	SF(Lo)	
6400.00	6401.14	6394.26	6394.26	0.00	0.00	22.52	22.46	179.75	44.56	90.40	1.97	SF(Lo)	
6500.00	6501.14	6494.26	6494.26	0.00	0.00	22.87	22.81	179.75	43.84	90.40	1.94	SF(Lo)	
6600.00	6601.14	6594.26	6594.26	0.00	0.00	23.23	23.17	179.75	43.13	90.40	1.91	SF(Lo)	
6700.00	6701.14	6694.26	6694.26	0.00	0.00	23.59	23.53	179.75	42.42	90.40	1.88	SF(Lo)	
6800.00	6801.14	6794.26	6794.26	0.00	0.00	23.94	23.88	179.75	41.70	90.40	1.86	SF(Lo)	
6900.00	6901.14	6894.26	6894.26	0.00	0.00	24.30	24.24	179.75	40.99	90.40	1.83	SF(Lo)	
7000.00	7001.05	6994.15	6994.26	3.63	269.30	24.61	24.48	180.35	40.33	90.41	1.81	SF(Lo)	
7027.34	7028.12	7021.10	7021.60	6.88	269.30	24.61	24.34	181.92	40.32	90.49	1.80	SF(Lo)	
7100.00	7097.86	7089.48	7094.26	15.25	269.30	24.61	23.67	190.27	42.25	92.20	1.85	SF(Lo)	
7200.00	7185.13	7171.12	7194.26	25.72	269.30	24.62	22.24	207.27	60.91	104.94	2.38	SF(Lo)	
7300.00	7259.44	7235.29	7294.26	34.64	269.30	24.63	20.56	222.65	103.05	137.59	3.98		