

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address		² OGRID Number	
		³ Reason for Filing Code/ Effective Date	
⁴ API Number	⁵ Pool Name		⁶ Pool Code
⁷ Property Code	⁸ Property Name		⁹ Well Number

II. ¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

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
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

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>alicia fulton</i>			OIL CONSERVATION DIVISION		
Printed name:			Approved by: Kurt Simmons		
Title:			Title: NMOCD, Santa Fe		
E-mail Address:			Approval Date: 03/25/2021		
Date:		Phone:	RT C-104 EXPIRES 05/02/2021.		

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.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46203	² Pool Code 37920	³ Pool Name Leo- Bone Springs, S
⁴ Property Code 316024	⁵ Property Name SALT FORK 3 4 FEDERAL COM	
⁷ OGRID NO. 873	⁸ Operator Name APACHE CORPORATION	⁶ Well Number 301H
		⁹ Elevation 3440'

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
G	3	19S	30E		2438	NORTH	1557	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
L	4	19S	30E		2035	SOUTH	121	WEST	EDDY

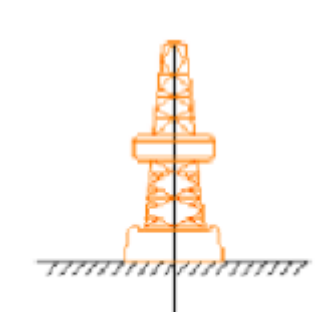
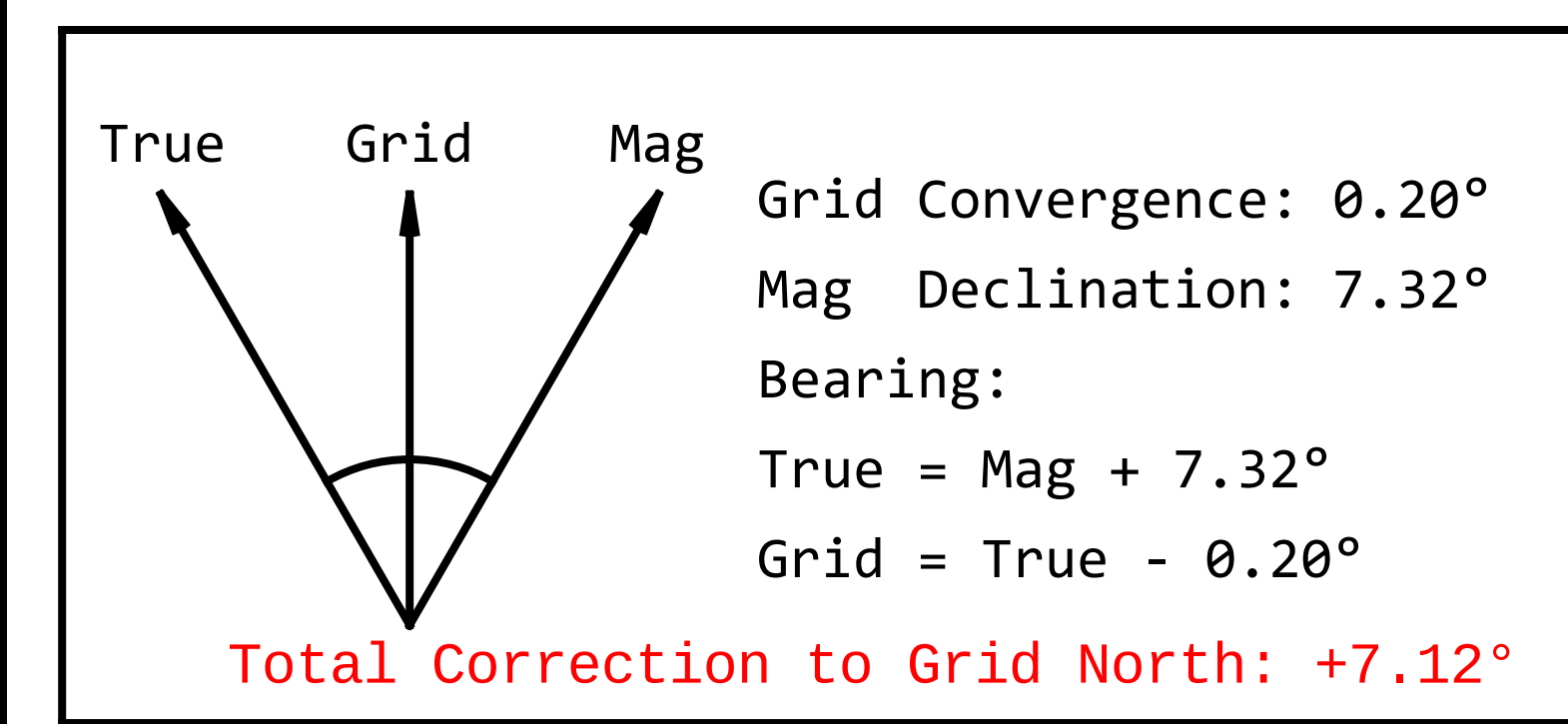
¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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

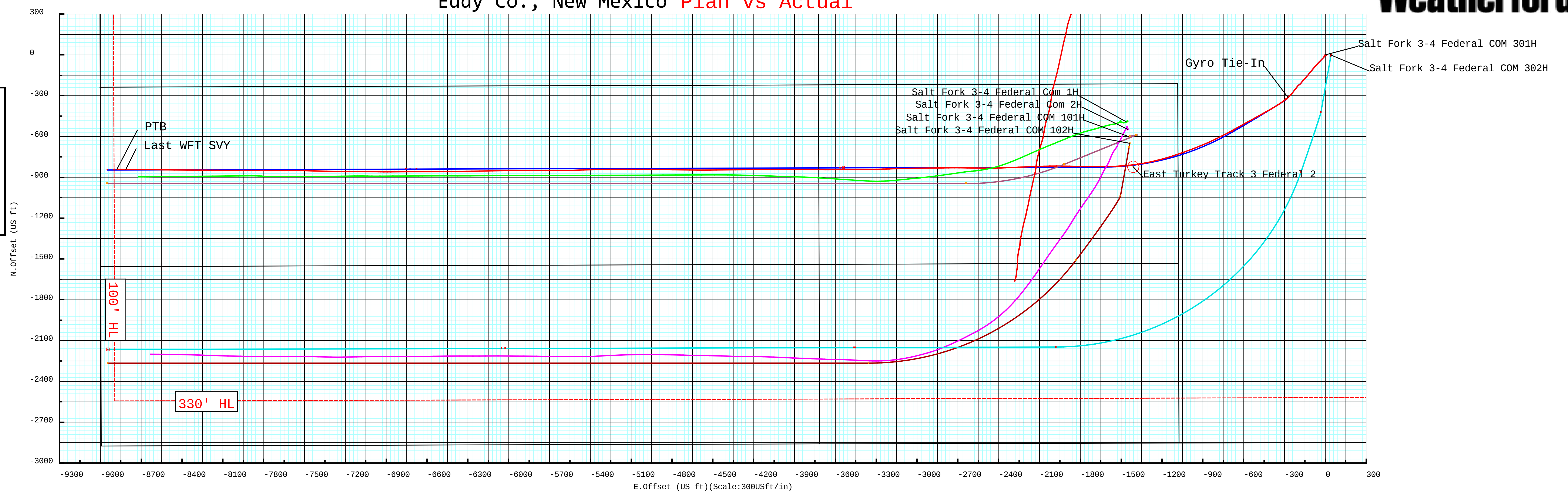
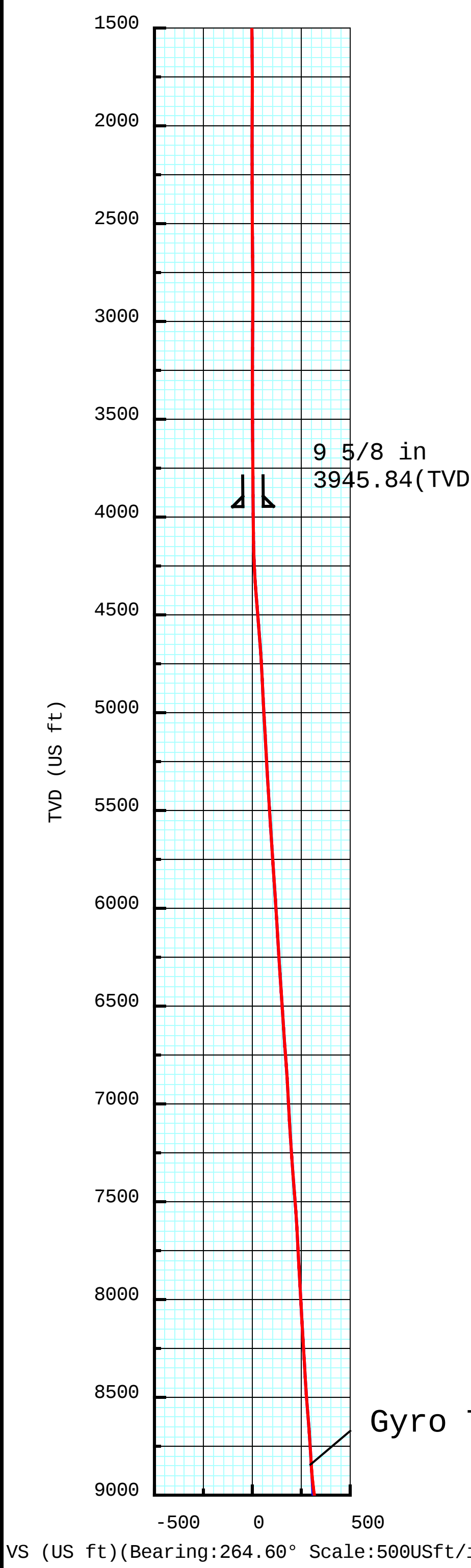
¹⁶ GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION (S.L.) N 614947.3 - E 657332.5 LAT: 32.6899670° N LONG: 103.9562920° W KICK OFF POINT (KOP) 2529' FSL - 1844' FFL (SEC. 3) N: 614623.9 - E: 657046.9 LAT: 32.6890806° N LONG: 103.9572240° W MD: 9029.9 - TVD: 9011.4 FIRST TAKE POINT (FTP) 2094' FSL - 2540' FFL (SEC. 3) N: 614187.1 - E: 656152.1 LAT: 32.6878889° N LONG: 103.9601373° W MD: 10250.5 - TVD: 9456.4 LAST TAKE POINT (LTP) 2034' FSL - 188' FFL (SEC. 4) N: 614105.1 - E: 648522.0 LAT: 32.6877348° N LONG: 103.9849389° W MD: 17890.0 - TVD: 9418.5 BOTTOM HOLE (BH) N: 614105.9 - E: 648455.0 LAT: 32.6877375° N LONG: 103.9851566° W MD: 17957.0 - TVD: 9416.8 CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP (BROKEN) N 612071.1 - E 648340.5 B: FOUND BRASS CAP (BROKEN) N 614709.7 - E 648332.3 C: FOUND BRASS CAP "1916" N 617367.7 - E 648325.2 D: FOUND BRASS CAP "1916" N 617372.6 - E 650962.1 E: FOUND BRASS CAP "1916" N 617377.4 - E 653602.9 F: FOUND BRASS CAP "1916" N 617382.6 - E 656242.3 G: FOUND BRASS CAP "1916" N 617388.5 - E 658881.0 H: FOUND BRASS CAP "1916" N 614738.2 - E 658890.3 I: FOUND BRASS CAP "1916" N 612099.6 - E 658899.1 J: FOUND BRASS CAP "1916" N 612093.6 - E 656258.5 K: FOUND BRASS CAP "1916" N 612087.5 - E 653618.7 L: FOUND BRASS CAP (BROKEN) N 612081.5 - E 650977.6 M: FOUND BRASS CAP "1916" N 614727.4 - E 653610.7 CALCULATED POINTS 1: N 613390.4 - E 648336.4 2: N 614732.8 - E 656250.4 3: N 613413.2 - E 656254.5 4: N 613407.4 - E 653614.7	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. 3-16-21 Signature <u>Alicia Fulton</u> Date _____ Printed Name _____ <u>alicia.fulton@apachecorp.com</u> E-mail Address _____
	¹⁸ SURVEYOR CERTIFICATION 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. 10-22-2018 Date of Survey _____ Signature and Seal of Professional Surveyor _____ 19680 Certificate Number _____ REV: 5/5/2020 AS DRILL LS18101201AD1



Apache Corporation
Salt Fork 3-4 Federal COM 301H
Eddy Co., New Mexico **Plan vs Actual**



KB: 3466.00
GL: 3440.00



Plan Data for Salt Fork 3-4 Federal COM 301H

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: Salt Fork 3-4 FC Pad (101,102,301,302)
Unit: USFeet TVD Reference:
Company Name: Apache Corporation
Position: Northing: 614346.60USft Latitude: 32.688330°
Easting: 655888.70USft Longitude: -103.960992°
North Reference: Grid Grid Convergence: 0.20°
Elevation Above VRD: 3410.00USft
Comment: Eddy Co., New Mexico

Slot: Salt Fork 3-4 Federal COM 301H
Position:
Offset is from Site centre
+N/-S: 600.70USft Northing: 614947.30USft Latitude: 32.689967°
+E/-W: 1443.80USft Easting: 657332.50USft Longitude: -103.956292°
Elevation Above VRD: 3440.00USft

Well: Salt Fork 3-4 Federal COM 301H
Type: Main-Well
File Number: 13931044
Plan Folder: P3 Plan: P3:V1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 264.60°
+E/-W: -0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
IFR 48061(nT) 7.32° 60.50° 2020-01-15

Plan Data for Salt Fork 3-4 Federal COM 301H

Formation Point Information:

Name	TVD Elevation (USft)	MD (USft)
WOLFCAMP	9666.00	-6200.00 -1.00
RUSTLER	436.00	3030.00 436.02
SALADO	576.00	2890.00 576.02
TANSILL	1461.00	2005.00 1461.04
YATES	1826.00	1640.00 1826.05
SEVEN RIVERS	2101.00	1365.00 2101.06
QUEEN	2736.00	730.00 2736.12
GRAYEURG	3251.00	215.00 3251.13
SAN ANDRES	3656.00	-190.00 3656.14
DELAWARE SANDS	3916.00	-450.00 3916.15
1ST BS CARB	5916.00	-2450.00 5922.64
1ST BS SAND	7571.00	-4105.00 7584.29
2ND BS CARB	7826.00	-4360.00 7840.15
2ND BS SAND	8386.00	-4920.00 8402.02
3RD BS CARB	8646.00	-5180.00 8663.27
3RD BS SAND	9211.00	-5745.00 9240.35

Plan Data for Salt Fork 3-4 Federal COM 301H

Plan Point Information:

MD (USft)	DogLeg Inc (°)	Severity Az (°)	Unit: %/100.00ft TVD (USft)	+N/-S (USft)	+E/-W (USft)	Position offsets from Slot centre Northing (USft)	Easting (USft)	VSec (USft)	DLS (DLSU)	Comments
8866.90	4.57	222.23	8848.94	-312.89	-273.21	614634.41	657059.29	301.45	0.15	Gyro Tie-In
9029.85	4.57	222.23	9011.37	-322.51	-281.94	614624.79	657050.56	311.04	0.00	KOP'
9738.48	89.39	239.92	9452.42	-567.76	-684.20	614379.54	656648.30	734.60	12.00	LP/Turn
10735.49	89.39	269.83	9463.30	-824.93	-1635.73	614122.37	655696.77	1706.10	3.00	Hold
12637.38	89.39	269.83	9483.60	-830.50	-3537.50	614116.80	653795.00	3599.96	0.00	Tgt
12662.61	88.88	269.83	9483.98	-830.57	-3562.73	614116.73	653769.77	3625.08	2.00	Hold
15775.63	88.88	269.83	9544.63	-839.78	-6675.14	614107.52	650657.36	6724.55	0.00	Build
15851.39	90.40	269.83	9545.10	-840.00	-6750.90	614107.30	650581.60	6799.99	2.00	T2
17998.85	90.40	269.83	9530.15	-846.35	-8898.30	614100.95	648434.20	8938.46	0.00	LTP/100'HL
18048.85	90.40	269.83	9529.80	-846.50	-8948.30	614100.80	648384.20	8988.25	0.00	PBHL 301H

Plan Data for Salt Fork 3-4 Federal COM 301H

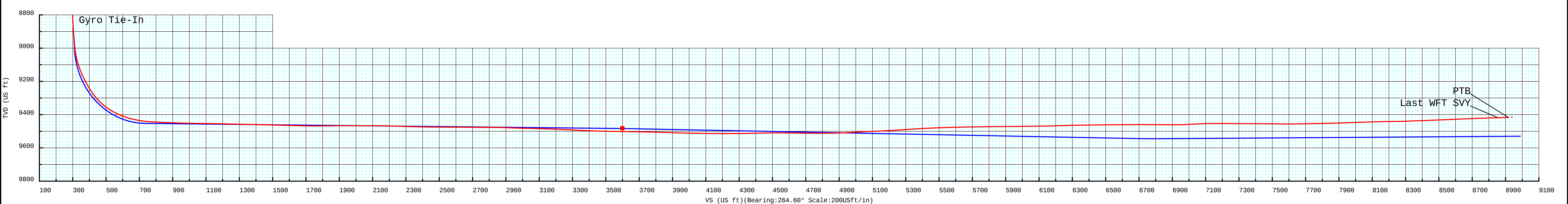
Target Set Information:

Name: SF 3-4 FC 301H

Position offsets from Slot centre

Name	TVD Elevation (USft)	+N/-S (USft)	+E/-W (USft)	Northing (USft)	Easting (USft)
Tgt	9483.60	-6017.60	-830.50	-3537.50	614116.80 653795.00
T2	9545.10	-6079.10	-840.00	-6750.90	614107.30 650581.60
LTP 301H	9530.17	-6064.17	-846.40	-8898.30	614100.90 648434.20
PBHL 301H	9529.80	-6063.80	-846.50	-8948.30	614100.80 648384.20

Drawing By: Cot Sinakone Date: 19 January 2020
Office Name: Weatherford Drilling Services
Address: 12101 Cutten Road
Houston, TX 77066
Phone: 281-701-4760



5D Survey Report



5D Survey Report

Apache Corporation

Field Name: *Apache NM (Nad 83 NMEZ)*
Site Name: *Salt Fork 3-4 FC Pad (101,102,301,302)*
Well Name: *Salt Fork 3-4 Federal COM 301H*
File number: *13931044*
Survey: *Definitive survey*

11 February 2020



5D Survey Report



Salt Fork 3-4 Federal COM 301H

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: Salt Fork 3-4 FC Pad (101,102,301,302)	Units: US ft	North Reference: Grid	Convergence Angle: 0.20
	Position:	Northing: 614346.60 US ft	Latitude: 32.688329777
		Easting: 655888.70 US ft	Longitude: -103.960991713
	Elevation above MSL: 3410.00 US ft		
	Comment: Eddy Co., New Mexico		

Slot: Salt Fork 3-4 Federal COM 301H	Position (Relative to Site Centre)		
	+N/-S: 600.70 US ft	Northing: 614947.30 US ft	Latitude: 32.689966871
	+E/-W: 1443.80 US ft	Easting: 657332.50 US ft	Longitude: -103.956291878
	Slot TVD Reference: Ground Elevation		
	Elevation above MSL: 3440.00 US ft		
	Comment:		

Well: Salt Fork 3-4 Federal COM 301H	Type: Main well	UWI:
	File Number: 13931044	Comment:
	Closure Distance: 8917.26 US ft	Closure Azimuth: 264.59°
	Vertical Section: Position of Origin (Relative to Slot centre)	
	+N/-S: 0.00 US ft	+E/-W: -0.00 US ft
	Az: 264.60°	

Drill floor: Survey Name: Definitive Survey

Rig Height (Kelly Bushing): 26.00 **Elevation above MSL:** 3466.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00°
US ft

Survey Name: Definitive Survey

Date: 13/Apr/2018 **Survey Tool:** See Survey Tool Ranges below. **Comment:** **Company:**

Magnetic Model:

Model Name: IFR **Date:** 15/Jan/2020 **Field Strength:** 48061.0 nT **Declination:** 7.32° **Dip:** 60.50°

Tie Point:

MD: 0.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00° **TVD:** 0.00 US ft **North Offset:** 0.00 US ft **East Offset:** -0.00 US ft

5D Survey Report

Survey Tool Ranges:			
Name	Start MD(USFt)	End MD(USFt)	Source Survey
GYRO_GC_WIR+DPIPE_GYD	0.00	8866.90	Gyro
MWD+IFR1+SAG+FDIR	8866.90	17957.00	WFT MWD+IFR1+SAG+FDIR_Corrected

Casing Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)								
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)
13 3/8 in	514.00	0.60	100.33	513.98	0.11	4.25	614947.41	657336.75
9 5/8 in	3946.00	0.64	223.09	3945.84	-5.90	-3.45	614941.40	657329.05

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
0.00	0.00	0.00	0.00	-0.00	0.00	-0.00	0.00	614947.30	657332.50	
89.90	0.22	83.96	89.90	-0.17	0.02	0.17	0.24	614947.32	657332.67	
177.49	0.38	76.27	177.49	-0.63	0.10	0.62	0.19	614947.40	657333.12	
265.80	0.59	80.75	265.80	-1.37	0.25	1.35	0.24	614947.55	657333.85	
353.32	0.76	90.76	353.31	-2.40	0.31	2.38	0.24	614947.61	657334.88	
439.47	0.66	97.90	439.45	-3.45	0.24	3.44	0.15	614947.54	657335.94	
528.63	0.59	100.86	528.61	-4.39	0.08	4.40	0.09	614947.38	657336.90	
650.88	0.37	106.29	650.85	-5.36	-0.15	5.40	0.18	614947.15	657337.90	
739.86	0.05	203.01	739.83	-5.61	-0.27	5.66	0.43	614947.03	657338.16	
829.99	0.10	265.12	829.96	-5.51	-0.31	5.57	0.10	614946.99	657338.07	
919.03	0.14	286.07	919.00	-5.33	-0.29	5.38	0.07	614947.01	657337.88	
1009.83	0.13	304.17	1009.80	-5.15	-0.20	5.19	0.05	614947.10	657337.69	
1100.66	0.14	313.57	1100.63	-5.00	-0.06	5.03	0.03	614947.24	657337.53	
1191.42	0.21	313.91	1191.39	-4.82	0.13	4.83	0.08	614947.43	657337.33	
1281.63	0.41	281.43	1281.60	-4.40	0.31	4.39	0.29	614947.61	657336.89	
1372.63	0.62	277.35	1372.60	-3.61	0.44	3.58	0.23	614947.74	657336.08	
1463.06	0.65	279.18	1463.02	-2.63	0.58	2.59	0.04	614947.88	657335.09	
1551.90	0.55	288.87	1551.86	-1.76	0.80	1.69	0.16	614948.10	657334.19	
1643.36	0.56	292.53	1643.31	-0.96	1.11	0.86	0.04	614948.41	657333.36	
1732.83	0.55	300.06	1732.78	-0.23	1.49	0.09	0.08	614948.79	657332.59	
1822.36	0.10	60.95	1822.31	0.05	1.75	-0.22	0.68	614949.05	657332.28	
1914.08	0.39	96.35	1914.03	-0.33	1.75	0.16	0.34	614949.05	657332.66	
2008.33	0.42	108.33	2008.27	-0.96	1.61	0.81	0.10	614948.91	657333.31	
2102.26	0.57	182.18	2102.20	-1.21	1.03	1.12	0.65	614948.33	657333.62	
2196.31	0.76	185.41	2196.24	-1.03	-0.06	1.04	0.21	614947.24	657333.54	
2290.52	0.72	183.47	2290.45	-0.82	-1.27	0.95	0.05	614946.03	657333.45	
2384.70	0.80	187.68	2384.62	-0.58	-2.51	0.82	0.10	614944.79	657333.32	
2478.89	0.89	194.24	2478.80	-0.19	-3.87	0.56	0.14	614943.43	657333.06	
2572.58	0.91	202.25	2572.48	0.40	-5.27	0.10	0.14	614942.03	657332.60	
2667.08	0.64	267.61	2666.97	1.28	-5.98	-0.72	0.92	614941.32	657331.78	
2761.53	0.68	281.93	2761.41	2.34	-5.89	-1.79	0.18	614941.41	657330.71	
2854.97	0.34	34.39	2854.85	2.69	-5.55	-2.18	0.93	614941.75	657330.32	
2949.97	0.50	43.75	2949.85	2.20	-5.01	-1.73	0.18	614942.29	657330.77	
3044.31	0.46	44.02	3044.18	1.60	-4.44	-1.18	0.04	614942.86	657331.32	
3138.51	0.41	32.53	3138.38	1.10	-3.89	-0.74	0.11	614943.41	657331.76	
3232.39	0.49	26.50	3232.26	0.68	-3.25	-0.38	0.10	614944.05	657332.12	
3326.38	0.40	20.43	3326.25	0.33	-2.58	-0.09	0.11	614944.72	657332.41	
3420.84	0.37	219.05	3420.71	0.40	-2.51	-0.16	0.80	614944.79	657332.34	
3515.06	0.52	222.03	3514.92	0.93	-3.06	-0.64	0.16	614944.24	657331.86	
3608.98	0.52	220.20	3608.84	1.54	-3.70	-1.20	0.02	614943.60	657331.30	
3703.45	0.54	230.58	3703.30	2.22	-4.31	-1.82	0.10	614942.99	657330.68	
3797.74	0.50	227.29	3797.59	2.92	-4.87	-2.47	0.05	614942.43	657330.03	
3891.72	0.55	222.15	3891.57	3.57	-5.49	-3.07	0.07	614941.81	657329.43	
3986.05	0.70	223.63	3985.89	4.34	-6.24	-3.77	0.16	614941.06	657328.73	
4080.28	0.82	227.24	4080.11	5.31	-7.11	-4.67	0.14	614940.19	657327.83	
4174.81	2.68	209.24	4174.59	7.11	-9.50	-6.24	2.03	614937.80	657326.26	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
4268.97	4.61	213.64	4268.56	10.74	-14.57	-9.41	2.07	614932.73	657323.09	
4362.88	5.86	223.32	4362.08	16.73	-21.21	-14.80	1.63	614926.09	657317.70	
4457.25	6.07	223.68	4455.94	24.12	-28.33	-21.55	0.23	614918.97	657310.95	
4551.30	5.94	224.41	4549.47	31.60	-35.40	-28.40	0.16	614911.90	657304.10	
4645.35	5.91	225.55	4643.02	39.09	-42.28	-35.27	0.13	614905.02	657297.23	
4739.75	4.23	224.31	4737.04	45.52	-48.17	-41.17	1.79	614899.13	657291.33	
4834.17	3.78	223.84	4831.23	50.53	-52.91	-45.76	0.47	614894.39	657286.74	
4928.32	3.59	222.70	4925.19	55.08	-57.32	-49.91	0.22	614889.98	657282.59	
5022.62	4.38	223.01	5019.26	59.97	-62.12	-54.37	0.84	614885.18	657278.13	
5116.92	4.43	222.16	5113.28	65.36	-67.46	-59.27	0.09	614879.84	657273.23	
5211.18	4.31	222.28	5207.27	70.67	-72.78	-64.10	0.14	614874.52	657268.40	
5305.33	4.28	221.56	5301.15	75.84	-78.02	-68.81	0.07	614869.28	657263.69	
5399.63	5.08	220.43	5395.14	81.41	-83.83	-73.85	0.86	614863.47	657258.65	
5493.82	5.02	220.30	5488.96	87.35	-90.15	-79.22	0.06	614857.15	657253.28	
5588.00	5.11	220.66	5582.77	93.33	-96.48	-84.62	0.10	614850.82	657247.88	
5682.14	5.09	219.92	5676.54	99.32	-102.86	-90.03	0.07	614844.44	657242.47	
5776.21	5.36	220.18	5770.22	105.42	-109.42	-95.55	0.28	614837.88	657236.95	
5870.30	5.41	220.51	5863.89	111.74	-116.15	-101.26	0.06	614831.15	657231.24	
5964.25	5.28	219.43	5957.44	117.97	-122.85	-106.88	0.17	614824.45	657225.62	
6058.28	5.14	219.69	6051.08	124.00	-129.43	-112.32	0.15	614817.87	657220.18	
6152.83	4.65	217.72	6145.28	129.62	-135.72	-117.37	0.55	614811.58	657215.13	
6247.28	5.45	215.36	6239.36	135.16	-142.41	-122.31	0.87	614804.89	657210.19	
6341.14	5.02	223.50	6332.83	141.17	-149.02	-127.71	0.91	614798.28	657204.79	
6435.43	5.13	224.49	6426.75	147.50	-155.02	-133.51	0.15	614792.28	657198.99	
6529.56	5.01	221.90	6520.52	153.75	-161.09	-139.20	0.27	614786.21	657193.30	
6623.99	4.92	220.53	6614.59	159.69	-167.23	-144.59	0.16	614780.07	657187.91	
6718.14	5.89	223.10	6708.32	166.20	-173.83	-150.51	1.07	614773.47	657181.99	
6812.29	5.92	221.02	6801.97	173.35	-181.03	-157.01	0.23	614766.27	657175.49	
6906.70	4.47	219.06	6895.99	179.45	-187.56	-162.52	1.55	614759.74	657169.98	
7001.08	4.15	218.31	6990.10	184.39	-193.10	-166.96	0.35	614754.20	657165.54	
7095.42	5.01	219.29	7084.14	189.65	-198.97	-171.69	0.92	614748.33	657160.81	
7189.59	4.87	217.88	7177.96	195.28	-205.30	-176.74	0.20	614742.00	657155.76	
7283.88	5.17	227.31	7271.89	201.40	-211.34	-182.32	0.93	614735.96	657150.18	
7377.93	5.22	228.08	7365.56	208.21	-217.07	-188.62	0.09	614730.23	657143.88	
7472.11	5.47	232.58	7459.33	215.46	-222.66	-195.37	0.52	614724.64	657137.13	
7566.26	5.53	222.98	7553.05	222.65	-228.70	-202.02	0.98	614718.60	657130.48	
7660.32	4.57	215.78	7646.74	228.50	-235.06	-207.30	1.22	614712.24	657125.20	
7754.42	4.47	212.82	7740.55	233.24	-241.18	-211.48	0.27	614706.12	657121.02	
7848.52	4.73	220.32	7834.35	238.29	-247.22	-215.98	0.69	614700.08	657116.52	
7942.99	4.62	216.88	7928.50	243.64	-253.24	-220.79	0.32	614694.06	657111.71	
8037.01	4.26	223.86	8022.24	248.83	-258.78	-225.48	0.69	614688.52	657107.02	
8131.46	4.39	214.92	8116.42	253.83	-264.28	-229.98	0.73	614683.02	657102.52	
8225.38	5.06	220.74	8210.02	259.14	-270.37	-234.74	0.87	614676.93	657097.76	
8319.37	4.92	218.11	8303.66	264.91	-276.68	-239.94	0.28	614670.62	657092.56	
8414.48	4.88	214.01	8398.42	270.29	-283.25	-244.72	0.37	614664.05	657087.78	
8507.55	5.70	221.32	8491.09	276.16	-289.99	-249.98	1.14	614657.31	657082.52	
8601.96	6.20	227.76	8584.99	283.65	-296.94	-256.85	0.89	614650.36	657075.65	
8695.85	4.87	227.63	8678.44	290.90	-303.04	-263.55	1.43	614644.26	657068.95	
8790.06	4.53	223.55	8772.34	296.90	-308.43	-269.06	0.50	614638.87	657063.44	
8866.90	4.57	222.23	8848.94	301.45	-312.89	-273.21	0.15	614634.41	657059.29	Gyro Tie-In
8963.00	5.61	229.76	8944.66	308.13	-318.76	-279.37	1.28	614628.54	657053.13	
9010.00	6.15	234.67	8991.41	312.20	-321.70	-283.18	1.57	614625.60	657049.32	
9057.00	11.17	234.14	9037.86	318.31	-325.83	-288.93	10.68	614621.47	657043.57	
9104.00	18.58	234.17	9083.25	328.70	-332.89	-298.70	15.77	614614.41	657033.80	
9151.00	23.75	233.93	9127.07	343.31	-342.85	-312.43	11.00	614604.45	657020.07	
9198.00	27.70	234.84	9169.40	360.94	-354.72	-329.02	8.45	614592.58	657003.48	
9246.00	31.96	237.03	9211.03	381.90	-368.06	-348.81	9.16	614579.24	656983.69	
9295.00	35.27	238.79	9251.83	406.14	-382.46	-371.80	7.04	614564.84	656960.70	
9340.00	40.27	240.51	9287.39	431.13	-396.36	-395.58	11.35	614550.94	656936.92	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
9434.00	55.03	241.00	9350.54	494.51	-430.17	-456.05	15.71	614517.13	656876.45	
9481.00	61.44	241.14	9375.27	531.12	-449.49	-491.00	13.64	614497.81	656841.50	
9528.00	66.57	241.07	9395.87	569.85	-469.90	-527.98	10.92	614477.40	656804.52	
9575.00	72.20	241.16	9412.41	610.18	-491.14	-566.48	11.98	614456.16	656766.02	
9622.00	76.77	241.20	9424.98	651.73	-512.96	-606.15	9.72	614434.34	656726.35	
9669.00	80.70	240.92	9434.16	693.98	-535.26	-646.48	8.38	614412.04	656686.02	
9718.00	84.54	240.88	9440.45	738.47	-558.89	-688.93	7.84	614388.41	656643.57	
9761.00	87.09	242.25	9443.59	777.93	-579.31	-726.64	6.73	614367.99	656605.86	
9851.00	87.76	244.32	9447.63	861.68	-619.73	-806.94	2.42	614327.57	656525.56	
9942.00	88.39	247.06	9450.69	947.72	-657.16	-889.82	3.09	614290.14	656442.68	
10031.00	89.23	249.28	9452.54	1033.06	-690.25	-972.41	2.67	614257.05	656360.09	
10123.00	89.21	250.58	9453.79	1122.05	-721.82	-1058.82	1.41	614225.48	656273.68	
10213.00	88.54	252.84	9455.56	1209.76	-750.05	-1144.25	2.62	614197.25	656188.25	
10301.00	88.88	255.85	9457.54	1296.32	-773.79	-1228.95	3.44	614173.51	656103.55	
10392.00	88.65	259.19	9459.50	1386.59	-793.45	-1317.77	3.68	614153.85	656014.73	
10486.00	88.51	262.85	9461.83	1480.36	-808.11	-1410.57	3.90	614139.19	655921.93	
10580.00	88.51	266.36	9464.28	1574.32	-816.95	-1504.11	3.73	614130.35	655828.39	
10674.00	88.36	269.55	9466.84	1668.11	-820.30	-1598.00	3.40	614127.00	655734.50	
10768.00	90.16	270.35	9468.06	1761.69	-820.38	-1691.99	2.10	614126.92	655640.51	
10863.00	90.98	270.76	9467.11	1856.17	-819.46	-1786.98	0.97	614127.84	655545.52	
10957.00	89.37	270.59	9466.82	1949.64	-818.36	-1880.97	1.72	614128.94	655451.53	
11051.00	90.35	270.33	9467.05	2043.14	-817.60	-1974.97	1.08	614129.70	655357.53	
11144.00	89.92	268.48	9466.84	2135.81	-818.57	-2067.96	2.04	614128.73	655264.54	
11238.00	87.83	267.61	9468.68	2229.62	-821.77	-2161.88	2.41	614125.53	655170.62	
11332.00	88.25	267.53	9471.90	2323.44	-825.76	-2255.74	0.45	614121.54	655076.76	
11426.00	89.15	267.29	9474.03	2417.30	-830.00	-2349.62	0.99	614117.30	654982.88	
11520.00	89.71	269.79	9474.96	2511.06	-832.40	-2443.57	2.73	614114.90	654888.93	
11615.00	89.64	270.50	9475.50	2605.62	-832.16	-2538.57	0.75	614115.14	654793.93	
11708.00	89.36	271.02	9476.31	2698.08	-830.92	-2631.56	0.64	614116.38	654700.94	
11802.00	90.27	269.74	9476.62	2791.59	-830.30	-2725.55	1.67	614117.00	654606.95	
11896.00	88.03	269.32	9478.01	2885.23	-831.07	-2819.53	2.42	614116.23	654512.97	
11990.00	88.24	269.55	9481.07	2978.85	-832.00	-2913.48	0.33	614115.30	654419.02	
12085.00	89.01	269.05	9483.35	3073.50	-833.16	-3008.44	0.97	614114.14	654324.06	
12188.00	87.44	268.46	9486.54	3176.18	-835.39	-3111.37	1.63	614111.91	654221.13	
12282.00	87.44	267.75	9490.74	3269.90	-838.50	-3205.22	0.75	614108.80	654127.28	
12377.00	87.09	269.85	9495.27	3364.54	-840.49	-3300.09	2.24	614106.81	654032.41	
12470.00	88.54	269.56	9498.82	3457.10	-840.96	-3393.01	1.59	614106.34	653939.49	
12564.00	88.79	269.11	9501.01	3550.75	-842.06	-3486.98	0.55	614105.24	653845.52	
12658.00	89.25	269.11	9502.62	3644.45	-843.51	-3580.96	0.49	614103.79	653751.54	
12752.00	89.12	270.44	9503.95	3738.05	-843.88	-3674.94	1.42	614103.42	653657.56	
12846.00	88.00	270.48	9506.32	3831.53	-843.13	-3768.91	1.19	614104.17	653563.59	
12940.00	88.07	270.39	9509.54	3924.99	-842.42	-3862.85	0.12	614104.88	653469.65	
13034.00	89.25	270.14	9511.74	4018.50	-841.98	-3956.82	1.28	614105.32	653375.68	
13128.00	89.21	269.69	9513.00	4112.09	-842.12	-4050.81	0.48	614105.18	653281.69	
13222.00	90.03	269.51	9513.62	4205.73	-842.78	-4144.81	0.89	614104.52	653187.69	
13315.00	90.38	269.47	9513.29	4298.39	-843.61	-4237.81	0.38	614103.69	653094.69	
13410.00	91.38	269.46	9511.83	4393.03	-844.49	-4332.79	1.05	614102.81	652999.71	
13503.00	91.05	269.47	9509.86	4485.68	-845.36	-4425.76	0.36	614101.94	652906.74	
13598.00	89.21	269.01	9509.64	4580.36	-846.62	-4520.75	2.00	614100.68	652811.75	
13692.00	88.78	270.79	9511.29	4673.94	-846.78	-4614.73	1.95	614100.52	652717.77	
13786.00	90.47	270.89	9511.91	4767.38	-845.41	-4708.72	1.80	614101.89	652623.78	
13871.00	90.34	270.73	9511.31	4851.88	-844.20	-4793.71	0.24	614103.10	652538.79	
13965.00	93.14	271.11	9508.45	4945.25	-842.70	-4887.64	3.01	614104.60	652444.86	
14059.00	92.93	270.30	9503.48	5038.59	-841.54	-4981.50	0.89	614105.76	652351.00	
14153.00	92.31	270.42	9499.18	5132.02	-840.95	-5075.40	0.67	614106.35	652257.10	
14247.00	93.50	270.07	9494.42	5225.44	-840.55	-5169.28	1.32	614106.75	652163.22	
14342.00	93.99	268.74	9488.21	5319.90	-841.53	-5264.07	1.49	614105.77	652068.43	
14436.00	92.80	268.99	9482.64	5413.47	-843.39	-5357.88	1.29	614103.91	651974.62	
14530.00	92.17	267.81	9478.57	5507.18	-846.02	-5451.75	1.42	614101.28	651880.75	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
14624.00	91.40	268.44	9475.64	5600.95	-849.09	-5545.66	1.06	614098.21	651786.84	
14727.00	90.64	270.21	9473.81	5703.58	-850.30	-5648.63	1.87	614097.00	651683.87	
14822.00	91.01	270.25	9472.44	5798.11	-849.92	-5743.62	0.39	614097.38	651588.88	
14916.00	90.37	269.76	9471.31	5891.69	-849.91	-5837.61	0.86	614097.39	651494.89	
15010.00	90.54	269.53	9470.56	5985.32	-850.50	-5931.61	0.30	614096.80	651400.89	
15104.00	90.65	269.35	9469.58	6078.98	-851.41	-6025.60	0.22	614095.89	651306.90	
15198.00	91.33	269.25	9467.96	6172.65	-852.56	-6119.57	0.73	614094.74	651212.93	
15292.00	91.97	268.68	9465.25	6266.34	-854.26	-6213.52	0.91	614093.04	651118.98	
15387.00	90.58	269.59	9463.14	6361.01	-855.69	-6308.48	1.75	614091.61	651024.02	
15474.00	90.88	268.66	9462.03	6447.73	-857.02	-6395.46	1.12	614090.28	650937.04	
15569.00	90.24	270.03	9461.10	6542.40	-858.11	-6490.45	1.59	614089.19	650842.05	
15663.00	90.70	269.15	9460.33	6636.04	-858.78	-6584.44	1.06	614088.52	650748.06	
15757.00	89.74	270.25	9459.97	6729.66	-859.27	-6678.44	1.55	614088.03	650654.06	
15851.00	89.51	269.46	9460.59	6823.27	-859.51	-6772.44	0.88	614087.79	650560.06	
15945.00	90.04	269.87	9460.96	6916.90	-860.06	-6866.43	0.71	614087.24	650466.07	
16039.00	93.59	270.81	9457.98	7010.36	-859.50	-6960.37	3.91	614087.80	650372.13	
16133.00	91.33	270.61	9453.94	7103.74	-858.34	-7054.27	2.41	614088.96	650278.23	
16227.00	89.51	270.42	9453.26	7197.23	-857.49	-7148.26	1.95	614089.81	650184.24	
16321.00	89.82	270.31	9453.80	7290.75	-856.90	-7242.25	0.35	614090.40	650090.25	
16415.00	89.58	271.24	9454.30	7384.21	-855.62	-7336.24	1.02	614091.68	649996.26	
16510.00	89.58	271.75	9454.99	7478.52	-853.15	-7431.21	0.54	614094.15	649901.29	
16604.00	89.37	271.05	9455.85	7571.85	-850.85	-7525.17	0.78	614096.45	649807.33	
16698.00	91.01	270.36	9455.54	7665.31	-849.69	-7619.16	1.89	614097.61	649713.34	
16792.00	91.30	270.22	9453.65	7758.83	-849.22	-7713.14	0.34	614098.08	649619.36	
16877.00	91.05	270.27	9451.91	7843.40	-848.85	-7798.12	0.30	614098.45	649534.38	
16971.00	92.31	270.30	9449.15	7936.90	-848.39	-7892.08	1.34	614098.91	649440.42	
17065.00	91.61	269.64	9445.93	8030.43	-848.44	-7986.02	1.02	614098.86	649346.48	
17160.00	91.96	270.44	9442.98	8124.95	-848.37	-8080.98	0.92	614098.93	649251.52	
17254.00	90.28	270.17	9441.14	8218.47	-847.87	-8174.95	1.81	614099.43	649157.55	
17348.00	92.17	270.55	9439.13	8311.97	-847.28	-8268.93	2.05	614100.02	649063.57	
17442.00	91.96	270.10	9435.74	8405.44	-846.75	-8362.86	0.53	614100.55	648969.64	
17536.00	92.59	270.86	9432.01	8498.87	-845.96	-8456.79	1.05	614101.34	648875.71	
17630.00	92.17	270.74	9428.11	8592.24	-844.65	-8550.70	0.46	614102.65	648781.80	
17724.00	92.45	270.52	9424.32	8685.64	-843.61	-8644.61	0.38	614103.69	648687.89	
17818.00	92.03	270.41	9420.64	8779.08	-842.85	-8738.54	0.46	614104.45	648593.96	
17890.00	91.40	270.65	9418.49	8850.66	-842.19	-8810.50	0.94	614105.11	648522.00	Last WFT SVY
17957.00	91.40	270.65	9416.85	8917.26	-841.43	-8877.48	0.00	614105.87	648455.02	PTB

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 21938

CONDITIONS OF APPROVAL

Operator: #1000 APACHE CORPORATION Midland, TX79705		303 Veterans Airpark Ln	OGRID: 873	Action Number: 21938	Action Type: C-104C
OCD Reviewer	Condition				
ksimmons	Submit all drilling, casing, completion sundries and completion report by expiration of Test Allowable C-104.				