

NM OIL CONSERVATION

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

Revised July 18, 2013

ARTESIA DISTRICT

MAR 11 2015

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

WELL API NO.

30-015-41772

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

T REX STATE

8. Well Number

3

9. OGRID Number

873

10. Pool name or Wildcat

ARTESIA; GLORIETA - YESO

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

303 VETERANS AIRPARK LANE, MIDLAND, TX 79705

4. Well Location

Unit Letter B: 875 feet from the NORTH line and 2430 feet from the EAST line

Section 31

Township 17S

Range 28E

NMPM

County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3695'

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: SUBMIT UPDATED PLAT WITH BHL ADDED ☒

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 WISHES TO SUBMIT CHANGE FROM VERTICAL TO DIRECTIONAL:

UPDATED PLAT WITH ADDED BHL 875 FNL & 2310 FEL

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

Michelle Cooper

TITLE

Daily Tech

DATE

3-5-15

Type or print name

Michelle Cooper

E-mail address:

michelle.cooper@apachePHONE: 432-818-1168

For State Use Only

corp.com

APPROVED BY:

SPDade

TITLE

Dist. Supervisor

DATE

3/24/15

Conditions of Approval (if any):

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, New Mexico 87505

NM OIL CONSERVATION

ARTESIA DISTRICT

MAR 11 2015

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

RECEIVED

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41772	Pool Code 96830	Pool Name Artesia, Glorieta - Yaso
Property Code 40198	Property Name T REX STATE	Well Number 3
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3695'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	31	17-S	28-E		875	NORTH	2430	EAST	EDDY

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
B	31	17-S	28-E		875	NORTH	2310	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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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

		OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Michelle Cooper</i> 3-5-15 Signature Date <i>Michelle Cooper</i> Printed Name <i>michelle.cooper@apachecorp.com</i> E-mail Address	
CORNER COORDINATES TABLE NAD 27 NME A - Y= 653936.3 N, X= 536573.5 E B - Y= 653945.4 N, X= 537863.1 E C - Y= 652639.0 N, X= 537880.9 E D - Y= 652626.3 N, X= 536588.7 E	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 653125.6 N X= 577916.1 E LAT.=32.795417° N LONG.=104.214294° W LAT.=32°47'44" N LONG.=104°12'51" W	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 653062.6 N X= 536736.9 E LAT.=32.795302° N LONG.=104.213782° W LAT.=32°47'43" N LONG.=104°12'49" W	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. SEPTEMBER 16 2013 Date of Survey <i>Ronald J. Eidson</i> Signature & Seal of Professional Surveyor 3239 REGISTERED PROFESSIONAL SURVEYOR <i>Ronald J. Eidson</i> 03/02/2015 Certificate Number Gary G. Eidson 12641 Ronald J. Eidson 3239
CORNER COORDINATES TABLE NAD 83 NME A - Y= 653999.3 N, X= 577752.7 E B - Y= 654008.3 N, X= 579042.3 E C - Y= 652701.9 N, X= 579060.0 E D - Y= 652689.2 N, X= 577767.9 E	FIRST TAKE POINT NAD 83 NME Y= 653126.2 N X= 577996.2 E LAT.=32.795418° N LONG.=104.214034° W LAT.=32°47'44" N LONG.=104°12'51" W	FIRST TAKE POINT NAD 27 NME Y= 653063.2 N X= 536817.0 E LAT.=32.795303° N LONG.=104.213521° W LAT.=32°47'43" N LONG.=104°12'49" W	
	BOTTOM HOLE AND LAST TAKE POINT LOCATION NAD 83 NME Y= 653126.5 N X= 578036.0 E LAT.=32.795419° N LONG.=104.213904° W LAT.=32°47'44" N LONG.=104°12'50" W	BOTTOM HOLE AND LAST TAKE POINT LOCATION NAD 27 NME Y= 653063.6 N X= 536856.9 E LAT.=32.795304° N LONG.=104.213391° W LAT.=32°47'43" N LONG.=104°12'48" W	

LSL REL W.O.: 13.11.0945 JWSC W.O.: 15.13.0306

WELL DETAILS

+N-S	-E-W	North	Ground Level	Easting	3695.00	Latitude	Longitude
0.00	0.00	653062.60	536736.90	32° 47' 43.08694 N	104° 12' 49.61458 W		

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	-E-W	Dleg	IFace	VSecl	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP, Start 2°/100' Build
3	4139.83	10.80	89.52	4136.65	0.42	50.71	2.00	89.52	50.71	50.71	Begin 10.80° Inc Hold
4	4509.74	10.80	89.52	4500.00	1.00	120.00	0.00	0.00	120.00	120.00	BHL-T Rex State #3 v2 TD at 4509.71' MD

DESIGN TARGET DETAILS

Name	TVD	+N-S	-E-W	North	Easting	Latitude	Longitude	Shape
BHL-T Rex State #3 v2	4500.00	1.00	120.00	653063.60	536856.90	32° 47' 43.09549 N	104° 12' 48.20873 W	Circle (Radius: 20.00)

- plan hits target center

CASING DETAILS

TVD	MD	Name	Size
500.00	500.00	8 5/8"	8-5/8

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
593.00	593.00	Seven Rivers	0.00	0.00
924.00	924.00	Queen	0.00	0.00
1146.00	1146.00	Grayburg	0.00	0.00
1579.00	1579.00	San Andres	0.00	0.00
3265.00	3265.00	Glorieta	0.00	0.00
3389.00	3389.00	Yeso	0.00	0.00

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: New Mexico East 3001

Local Origin: Well #3, Grid North

Latitude: 32° 47' 43.08694 N
Longitude: 104° 12' 49.61458 W

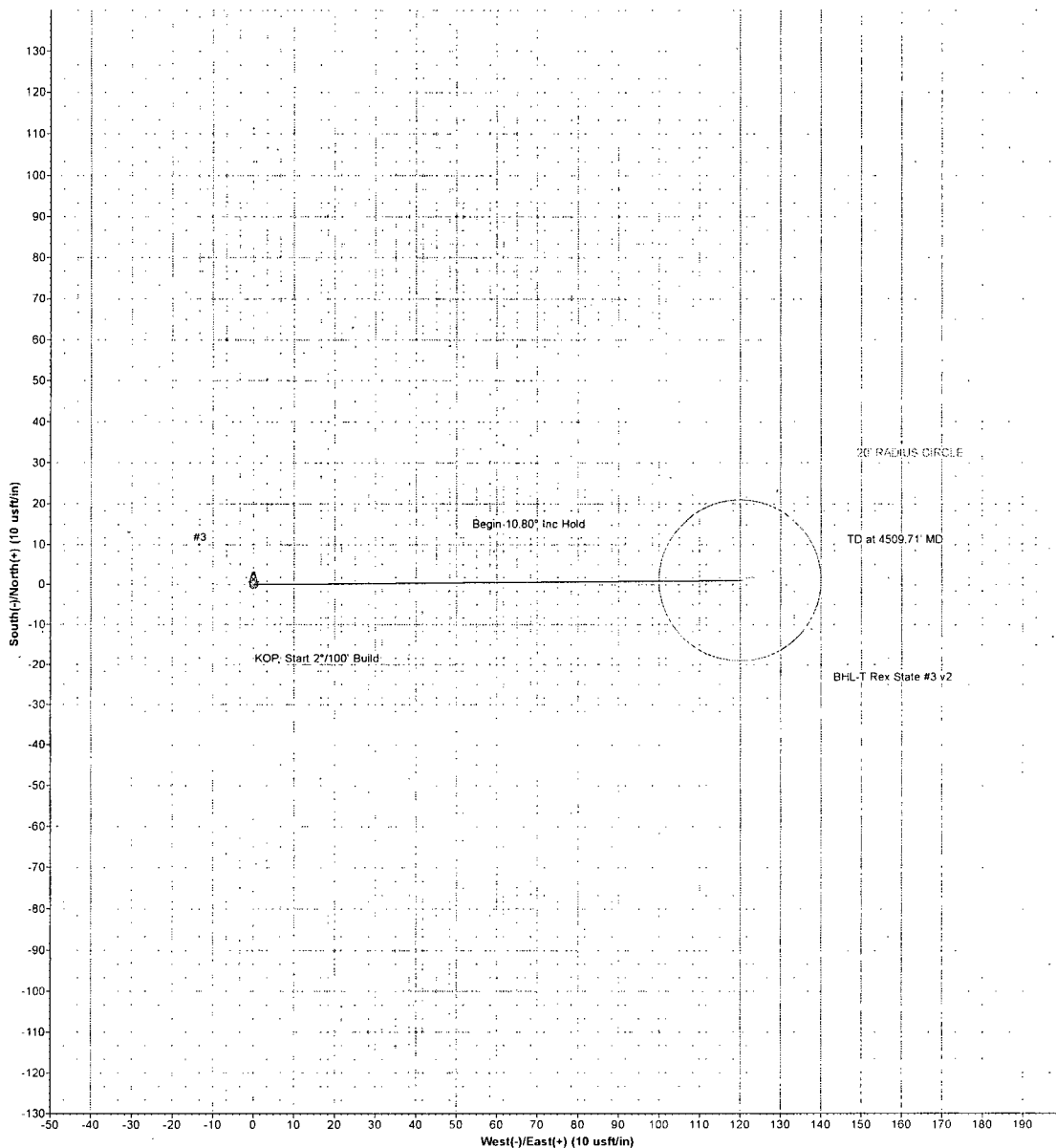
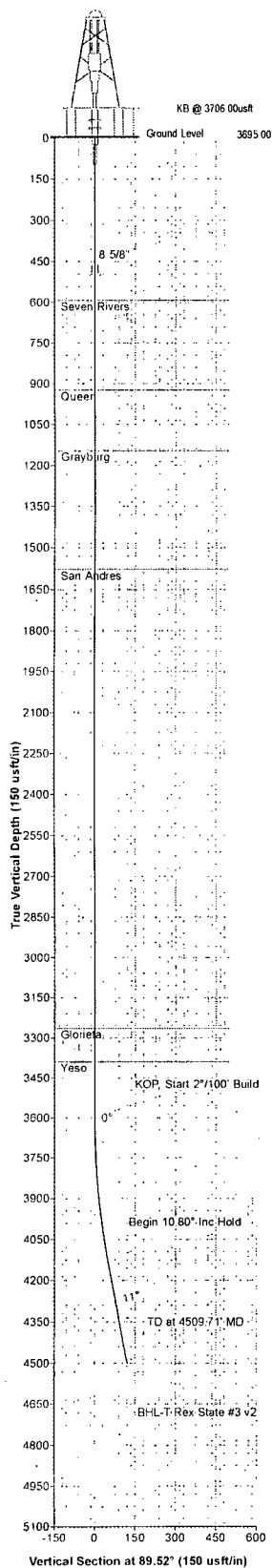
Grid East: 536736.90
Grid North: 653062.60
Scale Factor: 1.000

Geomagnetic Model: HDGM
Sample Date: 25-Feb-15
Magnetic Declination: 7.63°
Dip Angle from Horizontal: 60.62°
Magnetic Field Strength: 48398

To convert a Magnetic Direction to a Grid Direction, Add 7.63°
To convert a Magnetic Direction to a True Direction, Add 7.63° East
To convert a True Direction to a Grid Direction, Subtract 0.06°

LEGEND

— Plan #2 03-25-15





Apache Corporation

Eddy County, NM (NAD27 NME)

T Rex State

#3

WB1

Plan: Plan #2 03-25-15

Standard Planning Report

25 March, 2015



Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #3
Company:	Apache Corporation	TVD Reference:	KB @ 3706.00usft
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3706.00usft
Site:	T Rex State	North Reference:	Grid
Well:	#3	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #2 03-25-15		

Project	Eddy County, NM (NAD27 NME)		
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	T Rex State		
Site Position:		Northing:	653,062.60 usft
From:	Map	Easting:	536,736.90 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 47' 43.08694 N
		Longitude:	104° 12' 49.61458 W
		Grid Convergence:	0.06 °

Well	#3		
Well Position	+N-S	0.00 usft	Northing: 653,062.60 usft
	+E-W	0.00 usft	Easting: 536,736.90 usft
Position Uncertainty	0.00 usft		Latitude: 32° 47' 43.08694 N
			Longitude: 104° 12' 49.61458 W
		Wellhead Elevation:	0.00 usft
		Ground Level:	3,695.00 usft

Wellbore	WB1		
Magnetics	Model Name	Sample Date	Declination
	HDGM	2/25/2015	(°) 7.63
			Dip Angle (°) 60.62
			Field Strength (nT) 48,398

Design	Plan #2 03-25-15		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction (°) 89.52

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,139.83	10.80	89.52	4,136.65	0.42	50.71	2.00	2.00	16.58	89.52	
4,509.74	10.80	89.52	4,500.00	1.00	120.00	0.00	0.00	0.00	0.00	BHL-T Rex State #3 v

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #3
Company:	Apache Corporation	TVD Reference:	KB @ 3706.00usft
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3706.00usft
Site:	T Rex State	North Reference:	Grid
Well:	#3	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #2 03-25-15		

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
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
8 5/8"									
593.00	0.00	0.00	593.00	0.00	0.00	0.00	0.00	0.00	0.00
Seven Rivers									
924.00	0.00	0.00	924.00	0.00	0.00	0.00	0.00	0.00	0.00
Queen									
1,146.00	0.00	0.00	1,146.00	0.00	0.00	0.00	0.00	0.00	0.00
Grayburg									
1,579.00	0.00	0.00	1,579.00	0.00	0.00	0.00	0.00	0.00	0.00
San Andres									
3,265.00	0.00	0.00	3,265.00	0.00	0.00	0.00	0.00	0.00	0.00
Glorieta									
3,389.00	0.00	0.00	3,389.00	0.00	0.00	0.00	0.00	0.00	0.00
Yeso									
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Start 2°/100' Build									
3,700.00	2.00	89.52	3,699.98	0.01	1.75	1.75	2.00	2.00	0.00
3,800.00	4.00	89.52	3,799.84	0.06	6.98	6.98	2.00	2.00	0.00
3,900.00	6.00	89.52	3,899.45	0.13	15.69	15.69	2.00	2.00	0.00
4,000.00	8.00	89.52	3,998.70	0.23	27.88	27.88	2.00	2.00	0.00
4,100.00	10.00	89.52	4,097.47	0.36	43.52	43.52	2.00	2.00	0.00
4,139.83	10.80	89.52	4,136.64	0.42	50.71	50.71	2.00	2.00	0.00
Begin 10.80° Inc Hold									
4,200.00	10.80	89.52	4,195.75	0.52	61.98	61.98	0.00	0.00	0.00
4,300.00	10.80	89.52	4,293.98	0.67	80.71	80.72	0.00	0.00	0.00
4,400.00	10.80	89.52	4,392.21	0.83	99.44	99.45	0.00	0.00	0.00
4,500.00	10.80	89.52	4,490.44	0.98	118.18	118.18	0.00	0.00	0.00
4,509.71	10.80	89.52	4,499.97	1.00	119.99	120.00	0.00	0.00	0.00
TD at 4509.71' MD									
4,509.74	10.80	89.52	4,500.00	1.00	120.00	120.00	0.00	0.00	0.00

Design Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL-T Rex State #3 v2		0.00	0.01	4,500.00	1.00	120.00	653,063.60	536,856.90	32° 47' 43.09549 N	104° 12' 48.20873 W
- plan hits target center										
- Circle (radius 20.00)										

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
500.00	500.00	8 5/8"	8-5/8	12-1/4

Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #3
Company:	Apache Corporation	TVD Reference:	KB @ 3706.00usft
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3706.00usft
Site:	T Rex State	North Reference:	Grid
Well:	#3	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #2 03-25-15		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
593.00	593.00	Seven Rivers		0.00		
924.00	924.00	Queen		0.00		
1,146.00	1,146.00	Grayburg		0.00		
1,579.00	1,579.00	San Andres		0.00		
3,265.00	3,265.00	Glorieta		0.00		
3,389.00	3,389.00	Yeso		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
3,600.00	3,600.00	0.00	0.00	KOP, Start 2"/100' Build	
4,139.83	4,136.64	0.42	50.71	Begin 10.80° Inc Hold	
4,509.71	4,499.97	1.00	119.99	TD at 4509.71' MD	

T Rex State #3 - Plan #2 03-25-15.txt
Phoenix Technology Services
Plan Report 25-Mar-2015 14:58:27

Apache Corporation

T Rex State #3
Eddy County, NM (NAD27 NME)
WB1
Plan #2 03-25-15

Surface Loc.:
Northing: (Y) 653062.60
Easting: (X) 536736.90
KB Elev: 3706.00'
GL Elev: 3695.00'

Survey Type Information:
H 0.00 - 4509.74 PLAN #2 03-25-15 : PHX+MWD+HDGM

Measured Coordinates		UTM Coordinates		Sub-Sea	Vertical Geographic Coordinates		Local
		Vertical Incl.	Dogleg Azim.				Coordinates
Depth	Rate	Northings	Eastings	Depth	Latitude	Depth	(+N/-S)
(+E/-W)							
Section							
(ft)		(ft)	(ft)	(ft)		(ft)	(ft)
(ft)		(°/100ft)	Annotation				
0.00		0.00	0.00	-3706.00		0.00	0.00
0.00		653062.60	536736.90	32° 47'	43.09 N 104° 12'	49.61 W	
0.00		0.00					
500.00		0.00	0.00	-3206.00		500.00	0.00
0.00		653062.60	536736.90	32° 47'	43.09 N 104° 12'	49.61 W	
0.00		0.00	8 5/8" - PHX+MWD+HDGM (1)				
593.00		0.00	0.00	-3113.00		593.00	0.00
0.00		653062.60	536736.90	32° 47'	43.09 N 104° 12'	49.61 W	
0.00		0.00	Seven Rivers				
924.00		0.00	0.00	-2782.00		924.00	0.00
0.00		653062.60	536736.90	32° 47'	43.09 N 104° 12'	49.61 W	
0.00		0.00	Queen				
1146.00		0.00	0.00	-2560.00		1146.00	0.00
0.00		653062.60	536736.90	32° 47'	43.09 N 104° 12'	49.61 W	
0.00		0.00	Grayburg				
1579.00		0.00	0.00	-2127.00		1579.00	0.00
0.00		653062.60	536736.90	32° 47'	43.09 N 104° 12'	49.61 W	
0.00		0.00	San Andres				
3265.00		0.00	0.00	-441.00		3265.00	0.00
0.00		653062.60	536736.90	32° 47'	43.09 N 104° 12'	49.61 W	
0.00		0.00	Glorieta				
3389.00		0.00	0.00	-317.00		3389.00	0.00
0.00		653062.60	536736.90	32° 47'	43.09 N 104° 12'	49.61 W	
0.00		0.00	Yeso				
3600.00		0.00	0.00	-106.00		3600.00	0.00
0.00		653062.60	536736.90	32° 47'	43.09 N 104° 12'	49.61 W	
0.00		0.00	KOP, start 2°/100'	Build			
3700.00		2.00	89.52	-6.02		3699.98	0.01
1.75		653062.61	536738.65	32° 47'	43.09 N 104° 12'	49.59 W	
1.75		2.00					
3800.00		4.00	89.52	93.84		3799.84	0.06
6.98		653062.66	536743.88	32° 47'	43.09 N 104° 12'	49.53 W	
6.98		2.00					

T Rex State #3 - Plan #2 03-25-15.txt

3900.00	6.00	89.52	193.45	3899.45	0.13
15.69	653062.73	536752.59	32° 47'	43.09 N 104° 12'	49.43 W
15.69	2.00				
4000.00	8.00	89.52	292.70	3998.70	0.23
27.88	653062.83	536764.78	32° 47'	43.09 N 104° 12'	49.29 W
27.88	2.00				
4100.00	10.00	89.52	391.47	4097.47	0.36
43.52	653062.96	536780.42	32° 47'	43.09 N 104° 12'	49.10 W
43.52	2.00				
4139.83	10.80	89.52	430.64	4136.64	0.42
50.71	653063.02	536787.61	32° 47'	43.09 N 104° 12'	49.02 W
50.71	2.00	Begin 10.80° Inc Hold			
4200.00	10.80	89.52	489.75	4195.75	0.52
61.98	653063.12	536798.88	32° 47'	43.09 N 104° 12'	48.89 W
61.98	0.00				
4300.00	10.80	89.52	587.98	4293.98	0.67
80.71	653063.27	536817.61	32° 47'	43.09 N 104° 12'	48.67 W
80.72	0.00				
4400.00	10.80	89.52	686.21	4392.21	0.83
99.44	653063.43	536836.34	32° 47'	43.09 N 104° 12'	48.45 W
99.45	0.00				
4509.71	10.80	89.52	793.97	4499.97	1.00
119.99	653063.60	536856.89	32° 47'	43.10 N 104° 12'	48.21 W
120.00	0.00	TD at 4509.71' MD			
4509.74	10.80	89.52	794.00	4500.00	1.00
120.00	653063.60	536856.90	32° 47'	43.10 N 104° 12'	48.21 W
120.00	0.00				

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to KB. Northings and Eastings are relative to well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 89.523° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East 3001.
Grid Convergence at Surface is 0.065°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 4509.74ft., the Bottom Hole Displacement is 120.00ft., in the Direction of 89.523° (Grid).

Apache Corporation

T Rex State #3
Eddy County, NM (NAD27 NME)
WB1
Plan #2 03-25-15

Surface Loc.:
Northing: (Y) 653062.60
Easting: (X) 536736.90
KB Elev: 3706.00'
GL Elev: 3695.00'

Survey Type Information:
H 0.00 - 4509.74 PLAN #2 03-25-15 : PHX+MWD+HDGM

Measured			Sub-Sea	Vertical	Local Coord		UTM Coordinates	
Depth	Incl.	Azim.	Depth	Depth	(+N/-S)	(+E/-W)	Northings	Eastings
(ft)			(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
0	0	0	-3706	0	0	0	653062.6	536736.9
500	0	0	-3206	500	0	0	653062.6	536736.9
593	0	0	-3113	593	0	0	653062.6	536736.9
924	0	0	-2782	924	0	0	653062.6	536736.9
1146	0	0	-2560	1146	0	0	653062.6	536736.9
1579	0	0	-2127	1579	0	0	653062.6	536736.9
3265	0	0	-441	3265	0	0	653062.6	536736.9
3389	0	0	-317	3389	0	0	653062.6	536736.9
3600	0	0	-106	3600	0	0	653062.6	536736.9
3700	2	89.52	-6.02	3699.98	0.01	1.75	653062.61	536738.65
3800	4	89.52	93.84	3799.84	0.06	6.98	653062.66	536743.88
3900	6	89.52	193.45	3899.45	0.13	15.69	653062.73	536752.59
4000	8	89.52	292.7	3998.7	0.23	27.88	653062.83	536764.78
4100	10	89.52	391.47	4097.47	0.36	43.52	653062.96	536780.42
4139.83	10.8	89.52	430.64	4136.64	0.42	50.71	653063.02	536787.61
4200	10.8	89.52	489.75	4195.75	0.52	61.98	653063.12	536798.88
4300	10.8	89.52	587.98	4293.98	0.67	80.71	653063.27	536817.61
4400	10.8	89.52	686.21	4392.21	0.83	99.44	653063.43	536836.34
4509.71	10.8	89.52	793.97	4499.97	1	119.99	653063.6	536856.89
4509.74	10.8	89.52	794	4500	1	120	653063.6	536856.9

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Geographic C		Vertical	Dogleg	Annotation
Latitude	Longitude	Section	Rate	
		(ft)	(°/100ft)	
32° 47' 43.09 N	104° 12' 49.61 W	0	0	
32° 47' 43.09 N	104° 12' 49.61 W	0	0	8 5/8" - PHX+MWD+HDGM (1)
32° 47' 43.09 N	104° 12' 49.61 W	0	0	Seven Rivers
32° 47' 43.09 N	104° 12' 49.61 W	0	0	Queen
32° 47' 43.09 N	104° 12' 49.61 W	0	0	Grayburg
32° 47' 43.09 N	104° 12' 49.61 W	0	0	San Andres
32° 47' 43.09 N	104° 12' 49.61 W	0	0	Glorieta
32° 47' 43.09 N	104° 12' 49.61 W	0	0	Yeso
32° 47' 43.09 N	104° 12' 49.61 W	0	0	KOP, Start 2°/100' Build
32° 47' 43.09 N	104° 12' 49.59 W	1.75	2	
32° 47' 43.09 N	104° 12' 49.53 W	6.98	2	
32° 47' 43.09 N	104° 12' 49.43 W	15.69	2	
32° 47' 43.09 N	104° 12' 49.29 W	27.88	2	
32° 47' 43.09 N	104° 12' 49.10 W	43.52	2	
32° 47' 43.09 N	104° 12' 49.02 W	50.71	2	Begin 10.80° Inc Hold
32° 47' 43.09 N	104° 12' 48.89 W	61.98	0	
32° 47' 43.09 N	104° 12' 48.67 W	80.72	0	
32° 47' 43.09 N	104° 12' 48.45 W	99.45	0	
32° 47' 43.10 N	104° 12' 48.21 W	120	0	TD at 4509.71' MD
32° 47' 43.10 N	104° 12' 48.21 W	120	0	