

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.Field No. NMNM15091
Office
Hobbs**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator BTA OIL PRODUCERS		7. If Unit or CA/Agreement, Name and/or No.
Contact: KAYLA MCCONNELL E-Mail: kmccconnell@btaoil.com		8. Well Name and No. ROJO AE 7811 JV-P FED COM 2H
3a. Address 104 SOUTH PECOS STREET MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-682-3753 Ext: 106	9. API Well No. 30-025-43843-00-X1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T25S R33E NENW 200FNL 1815FWL 32.108238 N Lat, 103.562927 W Lon		10. Field and Pool or Exploratory Area RED HILLS-BONE SPRING, NORTH
		11. County or Parish, State LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletable in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BTA Oil Producers, LLC respectfully request the following changes to the original APD as approved:

Bottom Hole Location:
Original- 200 FNL & 1320 FWL
Change to- 2590 FNL & 1980 FWL

Total Measured Depth:
Original- 16950' MD
Change to- 16919' MD

5.5" Casing MD:
Original- 16950' MD

All previous COAs still apply. Additional COA is not required.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #404315 verified by the BLM Well Information System For BTA OIL PRODUCERS, sent to the Hobbs Committed to AFMSS for processing by MUSTAFA HAQUE on 03/01/2018 (18MH0042SE)	
Name (Printed/Typed) KAYLA MCCONNELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/13/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>MUSTAFA HAQUE</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>03/01/2018</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #404315 that would not fit on the form

32. Additional remarks, continued

Change to- 16919' MD

Attached:
Amended C102 Plat
Revised Directional Plan

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6181 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-0720

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) 476-3460 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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-43843	Pool Code 9/900	Pool Name RED HILLS; UPPER BONE SPRING SHALE
Property Code 417130	Property Name ROJO AE 7811 JV-P FEDERAL COM	Well Number 2H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 3343.9'

Surface Location

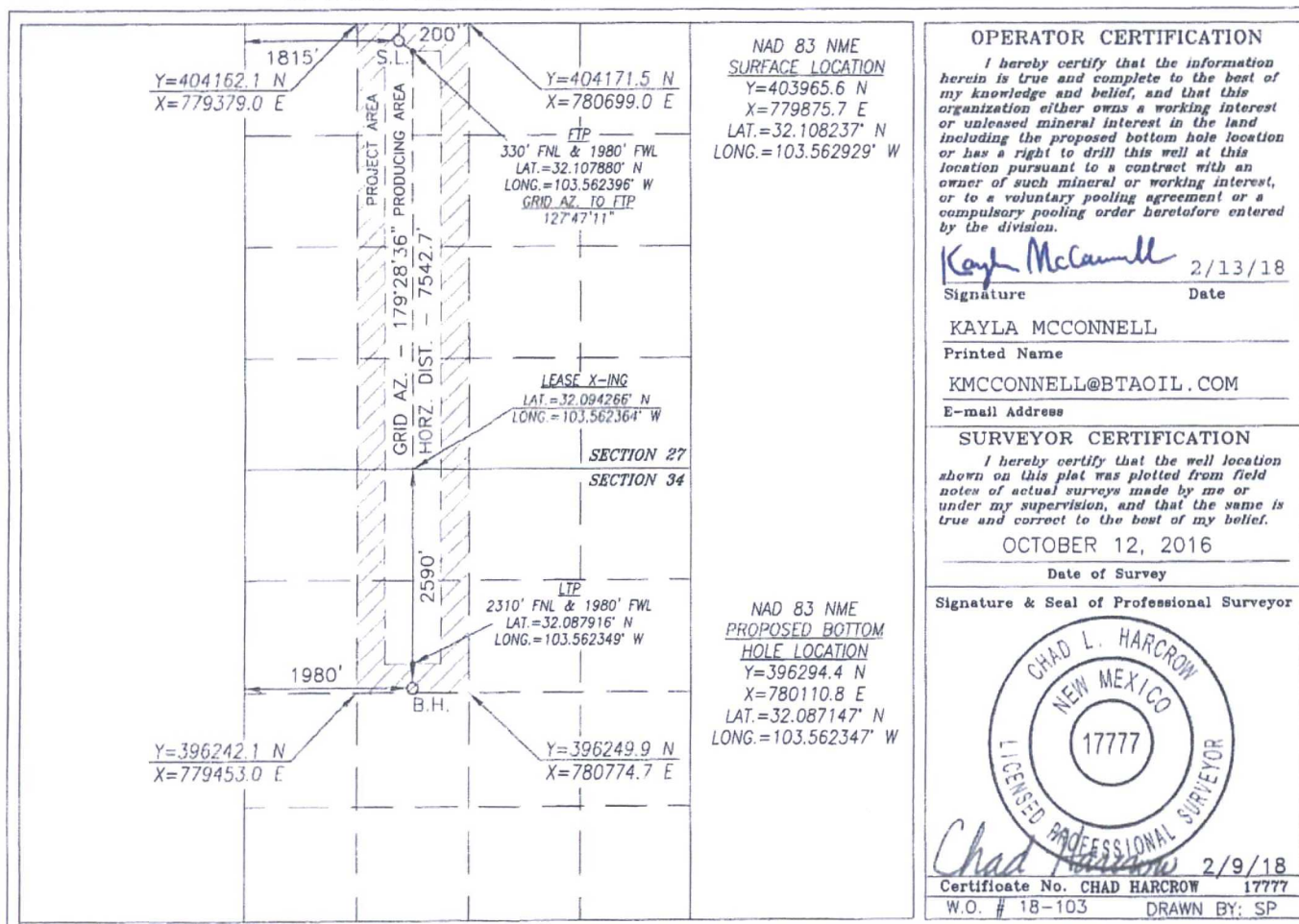
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	25-S	33-E		200	NORTH	1815	WEST	LEA

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
F	34	25-S	33-E		2590	NORTH	1980	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240			

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



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Rojo

Rojo AE #2H

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

12 February, 2018

BTA

Planning Report - Geographic

Database: EDM 5000.1 Single User Db
Company: BTA Oil Producers, LLC
Project: Lea County, NM (NAD 83)
Site: Rojo
Well: Rojo AE #2H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Rojo AE #2H
TVD Reference: KB @ 3369.0usft (Nomac 94)
MD Reference: KB @ 3369.0usft (Nomac 94)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Lea County, NM (NAD 83), Lea County, NM
Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone
System Datum: Ground Level
Using geodetic scale factor

Site Rojo
Site Position: Northing: 399,077.50 usft Latitude: 32° 5' 41.057 N
From: Map Easting: 783,078.55 usft Longitude: 103° 33' 9.721 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16" Grid Convergence: 0.41°

Well Rojo AE #2H
Well Position +N/-S 0.0 usft Northing: 403,965.64 usft Latitude: 32° 6' 29.655 N
+E/-W 0.0 usft Easting: 779,875.68 usft Longitude: 103° 33' 46.546 W
Position Uncertainty 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,344.0 usft

Wellbore Wellbore #1
Magnetics Model Name Sample Date Declination Dip Angle Field Strength
 (°) (°) (nT)
 IGRF200510 12/31/2009 7.74 60.13 48,724

Design Design #1
Audit Notes:
Version: Phase: PROTOTYPE Tie On Depth: 0.0
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
 (usft) (usft) (usft) (°)
 0.0 0.0 0.0 178.25

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,658.8	0.00	0.00	5,658.8	0.0	0.0	0.00	0.00	0.00	0.00	
5,908.8	5.00	42.51	5,908.5	8.0	7.4	2.00	2.00	0.00	42.51	
8,460.3	5.00	42.51	8,450.3	172.0	157.6	0.00	0.00	0.00	0.00	
8,710.3	0.00	0.00	8,700.0	180.0	165.0	2.00	-2.00	0.00	180.00	
8,740.4	0.00	0.00	8,730.0	180.0	165.0	0.00	0.00	0.00	0.00	
9,640.4	90.00	179.49	9,303.0	-392.9	170.1	10.00	10.00	0.00	179.49	
16,919.6	90.00	179.49	9,303.0	-7,671.8	234.3	0.00	0.00	0.00	0.00	Rojo AE BHL #2H

BTA
Planning Report - Geographic

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Company: BTA Oil Producers, LLC
Project: Lea County, NM (NAD 83)
Site: Rojo
Well: Rojo AE #2H
Wellbore: Wellbore #1
Design: Design #1

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MD Reference: KB @ 3369.0usft (Nomac 94)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
100.0	0.00	0.00	100.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
200.0	0.00	0.00	200.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
300.0	0.00	0.00	300.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
400.0	0.00	0.00	400.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
500.0	0.00	0.00	500.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
600.0	0.00	0.00	600.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
700.0	0.00	0.00	700.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
800.0	0.00	0.00	800.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
900.0	0.00	0.00	900.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,100.0	0.00	0.00	2,100.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,300.0	0.00	0.00	2,300.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,400.0	0.00	0.00	2,400.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,600.0	0.00	0.00	2,600.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,700.0	0.00	0.00	2,700.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,800.0	0.00	0.00	2,800.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
2,900.0	0.00	0.00	2,900.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,000.0	0.00	0.00	3,000.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,100.0	0.00	0.00	3,100.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,200.0	0.00	0.00	3,200.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,300.0	0.00	0.00	3,300.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,400.0	0.00	0.00	3,400.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,500.0	0.00	0.00	3,500.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,600.0	0.00	0.00	3,600.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,700.0	0.00	0.00	3,700.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,800.0	0.00	0.00	3,800.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
3,900.0	0.00	0.00	3,900.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,000.0	0.00	0.00	4,000.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,100.0	0.00	0.00	4,100.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,200.0	0.00	0.00	4,200.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,300.0	0.00	0.00	4,300.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,400.0	0.00	0.00	4,400.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,500.0	0.00	0.00	4,500.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,600.0	0.00	0.00	4,600.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,700.0	0.00	0.00	4,700.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,800.0	0.00	0.00	4,800.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
4,900.0	0.00	0.00	4,900.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
5,000.0	0.00	0.00	5,000.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
5,100.0	0.00	0.00	5,100.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
5,200.0	0.00	0.00	5,200.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
5,300.0	0.00	0.00	5,300.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
5,400.0	0.00	0.00	5,400.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W

BTA

Planning Report - Geographic

Database: EDM 5000.1 Single User Db
Company: BTA Oil Producers, LLC
Project: Lea County, NM (NAD 83)
Site: Rojo
Well: Rojo AE #2H
Wellbore: Wellbore #1
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Local Co-ordinate Reference: Well Rojo AE #2H
TVD Reference: KB @ 3369.0usft (Nomac 94)
MD Reference: KB @ 3369.0usft (Nomac 94)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,500.0	0.00	0.00	5,500.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
5,600.0	0.00	0.00	5,600.0	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
5,658.8	0.00	0.00	5,658.8	0.0	0.0	403,965.64	779,875.68	32° 6' 29.655 N	103° 33' 46.546 W
5,700.0	0.82	42.51	5,700.0	0.2	0.2	403,965.86	779,875.88	32° 6' 29.657 N	103° 33' 46.544 W
5,800.0	2.82	42.51	5,799.9	2.6	2.4	403,968.20	779,878.03	32° 6' 29.680 N	103° 33' 46.519 W
5,900.0	4.82	42.51	5,899.7	7.5	6.9	403,973.12	779,882.53	32° 6' 29.728 N	103° 33' 46.466 W
5,908.8	5.00	42.51	5,908.5	8.0	7.4	403,973.67	779,883.04	32° 6' 29.734 N	103° 33' 46.460 W
6,000.0	5.00	42.51	5,999.3	13.9	12.7	403,979.53	779,888.41	32° 6' 29.792 N	103° 33' 46.397 W
6,100.0	5.00	42.51	6,099.0	20.3	18.6	403,985.96	779,894.30	32° 6' 29.855 N	103° 33' 46.328 W
6,200.0	5.00	42.51	6,198.6	26.7	24.5	403,992.38	779,900.19	32° 6' 29.918 N	103° 33' 46.259 W
6,300.0	5.00	42.51	6,298.2	33.2	30.4	403,998.80	779,906.08	32° 6' 29.981 N	103° 33' 46.190 W
6,400.0	5.00	42.51	6,397.8	39.6	36.3	404,005.23	779,911.97	32° 6' 30.044 N	103° 33' 46.121 W
6,500.0	5.00	42.51	6,497.4	46.0	42.2	404,011.65	779,917.86	32° 6' 30.107 N	103° 33' 46.052 W
6,600.0	5.00	42.51	6,597.1	52.4	48.1	404,018.08	779,923.75	32° 6' 30.170 N	103° 33' 45.983 W
6,700.0	5.00	42.51	6,696.7	58.9	54.0	404,024.50	779,929.64	32° 6' 30.234 N	103° 33' 45.914 W
6,800.0	5.00	42.51	6,796.3	65.3	59.9	404,030.93	779,935.53	32° 6' 30.297 N	103° 33' 45.845 W
6,900.0	5.00	42.51	6,895.9	71.7	65.7	404,037.35	779,941.42	32° 6' 30.360 N	103° 33' 45.776 W
7,000.0	5.00	42.51	6,995.5	78.1	71.6	404,043.78	779,947.31	32° 6' 30.423 N	103° 33' 45.707 W
7,100.0	5.00	42.51	7,095.1	84.6	77.5	404,050.20	779,953.20	32° 6' 30.486 N	103° 33' 45.638 W
7,200.0	5.00	42.51	7,194.8	91.0	83.4	404,056.63	779,959.08	32° 6' 30.549 N	103° 33' 45.569 W
7,300.0	5.00	42.51	7,294.4	97.4	89.3	404,063.05	779,964.97	32° 6' 30.613 N	103° 33' 45.500 W
7,400.0	5.00	42.51	7,394.0	103.8	95.2	404,069.47	779,970.86	32° 6' 30.676 N	103° 33' 45.431 W
7,500.0	5.00	42.51	7,493.6	110.3	101.1	404,075.90	779,976.75	32° 6' 30.739 N	103° 33' 45.362 W
7,600.0	5.00	42.51	7,593.2	116.7	107.0	404,082.32	779,982.64	32° 6' 30.802 N	103° 33' 45.293 W
7,700.0	5.00	42.51	7,692.9	123.1	112.9	404,088.75	779,988.53	32° 6' 30.865 N	103° 33' 45.224 W
7,800.0	5.00	42.51	7,792.5	129.5	118.7	404,095.17	779,994.42	32° 6' 30.928 N	103° 33' 45.155 W
7,900.0	5.00	42.51	7,892.1	136.0	124.6	404,101.60	780,000.31	32° 6' 30.991 N	103° 33' 45.086 W
8,000.0	5.00	42.51	7,991.7	142.4	130.5	404,108.02	780,006.20	32° 6' 31.055 N	103° 33' 45.017 W
8,100.0	5.00	42.51	8,091.3	148.8	136.4	404,114.45	780,012.09	32° 6' 31.118 N	103° 33' 44.948 W
8,200.0	5.00	42.51	8,191.0	155.2	142.3	404,120.87	780,017.98	32° 6' 31.181 N	103° 33' 44.879 W
8,300.0	5.00	42.51	8,290.6	161.7	148.2	404,127.30	780,023.87	32° 6' 31.244 N	103° 33' 44.810 W
8,400.0	5.00	42.51	8,390.2	168.1	154.1	404,133.72	780,029.75	32° 6' 31.307 N	103° 33' 44.741 W
8,460.3	5.00	42.51	8,450.3	172.0	157.6	404,137.60	780,033.31	32° 6' 31.345 N	103° 33' 44.699 W
8,500.0	4.21	42.51	8,489.8	174.3	159.8	404,139.94	780,035.46	32° 6' 31.368 N	103° 33' 44.674 W
8,600.0	2.21	42.51	8,589.7	178.4	163.6	404,144.07	780,039.24	32° 6' 31.409 N	103° 33' 44.630 W
8,700.0	0.21	42.51	8,689.7	180.0	165.0	404,145.62	780,040.66	32° 6' 31.424 N	103° 33' 44.613 W
8,710.3	0.00	0.00	8,700.0	180.0	165.0	404,145.63	780,040.67	32° 6' 31.424 N	103° 33' 44.613 W
8,740.4	0.00	0.00	8,730.0	180.0	165.0	404,145.63	780,040.67	32° 6' 31.424 N	103° 33' 44.613 W
8,800.0	5.96	179.49	8,789.5	176.9	165.0	404,142.53	780,040.70	32° 6' 31.394 N	103° 33' 44.613 W
8,900.0	15.96	179.49	8,887.6	157.9	165.2	404,123.55	780,040.87	32° 6' 31.206 N	103° 33' 44.612 W
9,000.0	25.96	179.49	8,980.9	122.2	165.5	404,087.82	780,041.19	32° 6' 30.852 N	103° 33' 44.612 W
9,100.0	35.96	179.49	9,066.5	70.8	166.0	404,036.44	780,041.64	32° 6' 30.344 N	103° 33' 44.611 W
9,200.0	45.96	179.49	9,141.9	5.3	166.5	403,970.97	780,042.22	32° 6' 29.696 N	103° 33' 44.609 W
9,300.0	55.96	179.49	9,204.8	-72.2	167.2	403,893.41	780,042.90	32° 6' 28.928 N	103° 33' 44.608 W
9,400.0	65.96	179.49	9,253.3	-159.5	168.0	403,806.09	780,043.67	32° 6' 28.064 N	103° 33' 44.606 W
9,500.0	75.96	179.49	9,285.9	-254.0	168.8	403,711.69	780,044.51	32° 6' 27.130 N	103° 33' 44.604 W
9,600.0	85.96	179.49	9,301.6	-352.6	169.7	403,613.06	780,045.38	32° 6' 26.154 N	103° 33' 44.602 W
9,640.4	90.00	179.49	9,303.0	-392.9	170.1	403,572.71	780,045.73	32° 6' 25.755 N	103° 33' 44.602 W
9,700.0	90.00	179.49	9,303.0	-452.5	170.6	403,513.10	780,046.26	32° 6' 25.165 N	103° 33' 44.601 W
9,800.0	90.00	179.49	9,303.0	-552.5	171.5	403,413.11	780,047.14	32° 6' 24.175 N	103° 33' 44.599 W
9,900.0	90.00	179.49	9,303.0	-652.5	172.4	403,313.11	780,048.02	32° 6' 23.186 N	103° 33' 44.597 W
10,000.0	90.00	179.49	9,303.0	-752.5	173.2	403,213.12	780,048.91	32° 6' 22.196 N	103° 33' 44.595 W
10,100.0	90.00	179.49	9,303.0	-852.5	174.1	403,113.13	780,049.79	32° 6' 21.207 N	103° 33' 44.593 W
10,200.0	90.00	179.49	9,303.0	-952.5	175.0	403,013.13	780,050.67	32° 6' 20.217 N	103° 33' 44.591 W
10,300.0	90.00	179.49	9,303.0	-1,052.5	175.9	402,913.14	780,051.56	32° 6' 19.228 N	103° 33' 44.589 W

BTA

Planning Report - Geographic

Database: EDM 5000.1 Single User Db
Company: BTA Oil Producers, LLC
Project: Lea County, NM (NAD 83)
Site: Rojo
Well: Rojo AE #2H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Rojo AE #2H
TVD Reference: KB @ 3369.0usft (Nomac 94)
MD Reference: KB @ 3369.0usft (Nomac 94)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,400.0	90.00	179.49	9,303.0	-1,152.5	176.8	402,813.15	780,052.44	32° 6' 18.238 N	103° 33' 44.587 W
10,500.0	90.00	179.49	9,303.0	-1,252.5	177.6	402,713.15	780,053.32	32° 6' 17.249 N	103° 33' 44.585 W
10,600.0	90.00	179.49	9,303.0	-1,352.5	178.5	402,613.16	780,054.20	32° 6' 16.259 N	103° 33' 44.583 W
10,700.0	90.00	179.49	9,303.0	-1,452.5	179.4	402,513.17	780,055.09	32° 6' 15.270 N	103° 33' 44.581 W
10,800.0	90.00	179.49	9,303.0	-1,552.5	180.3	402,413.17	780,055.97	32° 6' 14.280 N	103° 33' 44.579 W
10,900.0	90.00	179.49	9,303.0	-1,652.5	181.2	402,313.18	780,056.85	32° 6' 13.290 N	103° 33' 44.577 W
11,000.0	90.00	179.49	9,303.0	-1,752.5	182.1	402,213.19	780,057.74	32° 6' 12.301 N	103° 33' 44.575 W
11,100.0	90.00	179.49	9,303.0	-1,852.5	182.9	402,113.19	780,058.62	32° 6' 11.311 N	103° 33' 44.573 W
11,200.0	90.00	179.49	9,303.0	-1,952.5	183.8	402,013.20	780,059.50	32° 6' 10.322 N	103° 33' 44.571 W
11,300.0	90.00	179.49	9,303.0	-2,052.5	184.7	401,913.21	780,060.38	32° 6' 9.332 N	103° 33' 44.569 W
11,400.0	90.00	179.49	9,303.0	-2,152.5	185.6	401,813.21	780,061.27	32° 6' 8.343 N	103° 33' 44.567 W
11,500.0	90.00	179.49	9,303.0	-2,252.5	186.5	401,713.22	780,062.15	32° 6' 7.353 N	103° 33' 44.565 W
11,600.0	90.00	179.49	9,303.0	-2,352.5	187.4	401,613.22	780,063.03	32° 6' 6.364 N	103° 33' 44.563 W
11,700.0	90.00	179.49	9,303.0	-2,452.5	188.2	401,513.23	780,063.92	32° 6' 5.374 N	103° 33' 44.562 W
11,800.0	90.00	179.49	9,303.0	-2,552.5	189.1	401,413.24	780,064.80	32° 6' 4.385 N	103° 33' 44.560 W
11,900.0	90.00	179.49	9,303.0	-2,652.5	190.0	401,313.24	780,065.68	32° 6' 3.395 N	103° 33' 44.558 W
12,000.0	90.00	179.49	9,303.0	-2,752.5	190.9	401,213.25	780,066.56	32° 6' 2.406 N	103° 33' 44.556 W
12,100.0	90.00	179.49	9,303.0	-2,852.5	191.8	401,113.26	780,067.45	32° 6' 1.416 N	103° 33' 44.554 W
12,200.0	90.00	179.49	9,303.0	-2,952.4	192.7	401,013.26	780,068.33	32° 6' 0.427 N	103° 33' 44.552 W
12,300.0	90.00	179.49	9,303.0	-3,052.4	193.5	400,913.27	780,069.21	32° 5' 59.437 N	103° 33' 44.550 W
12,400.0	90.00	179.49	9,303.0	-3,152.4	194.4	400,813.28	780,070.10	32° 5' 58.447 N	103° 33' 44.548 W
12,500.0	90.00	179.49	9,303.0	-3,252.4	195.3	400,713.28	780,070.98	32° 5' 57.458 N	103° 33' 44.546 W
12,600.0	90.00	179.49	9,303.0	-3,352.4	196.2	400,613.29	780,071.86	32° 5' 56.468 N	103° 33' 44.544 W
12,700.0	90.00	179.49	9,303.0	-3,452.4	197.1	400,513.30	780,072.74	32° 5' 55.479 N	103° 33' 44.542 W
12,800.0	90.00	179.49	9,303.0	-3,552.4	198.0	400,413.30	780,073.63	32° 5' 54.489 N	103° 33' 44.540 W
12,900.0	90.00	179.49	9,303.0	-3,652.4	198.8	400,313.31	780,074.51	32° 5' 53.500 N	103° 33' 44.538 W
13,000.0	90.00	179.49	9,303.0	-3,752.4	199.7	400,213.32	780,075.39	32° 5' 52.510 N	103° 33' 44.536 W
13,100.0	90.00	179.49	9,303.0	-3,852.4	200.6	400,113.32	780,076.28	32° 5' 51.521 N	103° 33' 44.534 W
13,200.0	90.00	179.49	9,303.0	-3,952.4	201.5	400,013.33	780,077.16	32° 5' 50.531 N	103° 33' 44.532 W
13,300.0	90.00	179.49	9,303.0	-4,052.4	202.4	399,913.33	780,078.04	32° 5' 49.542 N	103° 33' 44.530 W
13,400.0	90.00	179.49	9,303.0	-4,152.4	203.3	399,813.34	780,078.92	32° 5' 48.552 N	103° 33' 44.528 W
13,500.0	90.00	179.49	9,303.0	-4,252.4	204.1	399,713.35	780,079.81	32° 5' 47.563 N	103° 33' 44.526 W
13,600.0	90.00	179.49	9,303.0	-4,352.4	205.0	399,613.35	780,080.69	32° 5' 46.573 N	103° 33' 44.524 W
13,700.0	90.00	179.49	9,303.0	-4,452.4	205.9	399,513.36	780,081.57	32° 5' 45.583 N	103° 33' 44.523 W
13,800.0	90.00	179.49	9,303.0	-4,552.4	206.8	399,413.37	780,082.46	32° 5' 44.594 N	103° 33' 44.521 W
13,900.0	90.00	179.49	9,303.0	-4,652.4	207.7	399,313.37	780,083.34	32° 5' 43.604 N	103° 33' 44.519 W
14,000.0	90.00	179.49	9,303.0	-4,752.4	208.5	399,213.38	780,084.22	32° 5' 42.615 N	103° 33' 44.517 W
14,100.0	90.00	179.49	9,303.0	-4,852.4	209.4	399,113.39	780,085.10	32° 5' 41.625 N	103° 33' 44.515 W
14,200.0	90.00	179.49	9,303.0	-4,952.4	210.3	399,013.39	780,085.99	32° 5' 40.636 N	103° 33' 44.513 W
14,300.0	90.00	179.49	9,303.0	-5,052.4	211.2	398,913.40	780,086.87	32° 5' 39.646 N	103° 33' 44.511 W
14,400.0	90.00	179.49	9,303.0	-5,152.4	212.1	398,813.41	780,087.75	32° 5' 38.657 N	103° 33' 44.509 W
14,500.0	90.00	179.49	9,303.0	-5,252.4	213.0	398,713.41	780,088.64	32° 5' 37.667 N	103° 33' 44.507 W
14,600.0	90.00	179.49	9,303.0	-5,352.4	213.8	398,613.42	780,089.52	32° 5' 36.678 N	103° 33' 44.505 W
14,700.0	90.00	179.49	9,303.0	-5,452.4	214.7	398,513.43	780,090.40	32° 5' 35.688 N	103° 33' 44.503 W
14,800.0	90.00	179.49	9,303.0	-5,552.3	215.6	398,413.43	780,091.28	32° 5' 34.699 N	103° 33' 44.501 W
14,900.0	90.00	179.49	9,303.0	-5,652.3	216.5	398,313.44	780,092.17	32° 5' 33.709 N	103° 33' 44.499 W
15,000.0	90.00	179.49	9,303.0	-5,752.3	217.4	398,213.44	780,093.05	32° 5' 32.720 N	103° 33' 44.497 W
15,100.0	90.00	179.49	9,303.0	-5,852.3	218.3	398,113.45	780,093.93	32° 5' 31.730 N	103° 33' 44.495 W
15,200.0	90.00	179.49	9,303.0	-5,952.3	219.1	398,013.46	780,094.82	32° 5' 30.740 N	103° 33' 44.493 W
15,300.0	90.00	179.49	9,303.0	-6,052.3	220.0	397,913.46	780,095.70	32° 5' 29.751 N	103° 33' 44.491 W
15,400.0	90.00	179.49	9,303.0	-6,152.3	220.9	397,813.47	780,096.58	32° 5' 28.761 N	103° 33' 44.489 W
15,500.0	90.00	179.49	9,303.0	-6,252.3	221.8	397,713.48	780,097.46	32° 5' 27.772 N	103° 33' 44.487 W
15,600.0	90.00	179.49	9,303.0	-6,352.3	222.7	397,613.48	780,098.35	32° 5' 26.782 N	103° 33' 44.485 W
15,700.0	90.00	179.49	9,303.0	-6,452.3	223.6	397,513.49	780,099.23	32° 5' 25.793 N	103° 33' 44.483 W
15,800.0	90.00	179.49	9,303.0	-6,552.3	224.4	397,413.50	780,100.11	32° 5' 24.803 N	103° 33' 44.482 W

BTA
Planning Report - Geographic

Database: EDM 5000.1 Single User Db
Company: BTA Oil Producers, LLC
Project: Lea County, NM (NAD 83)
Site: Rojo
Well: Rojo AE #2H
Wellbore: Wellbore #1
Design: Design #1

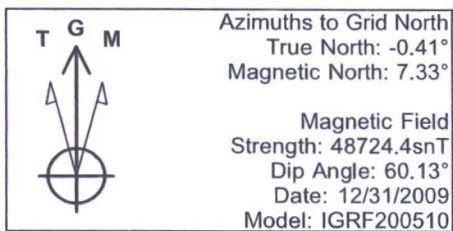
Local Co-ordinate Reference: Well Rojo AE #2H
TVD Reference: KB @ 3369.0usft (Nomac 94)
MD Reference: KB @ 3369.0usft (Nomac 94)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,900.0	90.00	179.49	9,303.0	-6,652.3	225.3	397,313.50	780,101.00	32° 5' 23.814 N	103° 33' 44.480 W
16,000.0	90.00	179.49	9,303.0	-6,752.3	226.2	397,213.51	780,101.88	32° 5' 22.824 N	103° 33' 44.478 W
16,100.0	90.00	179.49	9,303.0	-6,852.3	227.1	397,113.52	780,102.76	32° 5' 21.835 N	103° 33' 44.476 W
16,200.0	90.00	179.49	9,303.0	-6,952.3	228.0	397,013.52	780,103.64	32° 5' 20.845 N	103° 33' 44.474 W
16,300.0	90.00	179.49	9,303.0	-7,052.3	228.9	396,913.53	780,104.53	32° 5' 19.856 N	103° 33' 44.472 W
16,400.0	90.00	179.49	9,303.0	-7,152.3	229.7	396,813.54	780,105.41	32° 5' 18.866 N	103° 33' 44.470 W
16,500.0	90.00	179.49	9,303.0	-7,252.3	230.6	396,713.54	780,106.29	32° 5' 17.876 N	103° 33' 44.468 W
16,600.0	90.00	179.49	9,303.0	-7,352.3	231.5	396,613.55	780,107.18	32° 5' 16.887 N	103° 33' 44.466 W
16,700.0	90.00	179.49	9,303.0	-7,452.3	232.4	396,513.55	780,108.06	32° 5' 15.897 N	103° 33' 44.464 W
16,800.0	90.00	179.49	9,303.0	-7,552.3	233.3	396,413.56	780,108.94	32° 5' 14.908 N	103° 33' 44.462 W
16,900.0	90.00	179.49	9,303.0	-7,652.3	234.2	396,313.57	780,109.82	32° 5' 13.918 N	103° 33' 44.460 W
16,919.6	90.00	179.49	9,303.0	-7,671.8	234.3	396,294.00	780,110.00	32° 5' 13.725 N	103° 33' 44.460 W

Design Targets

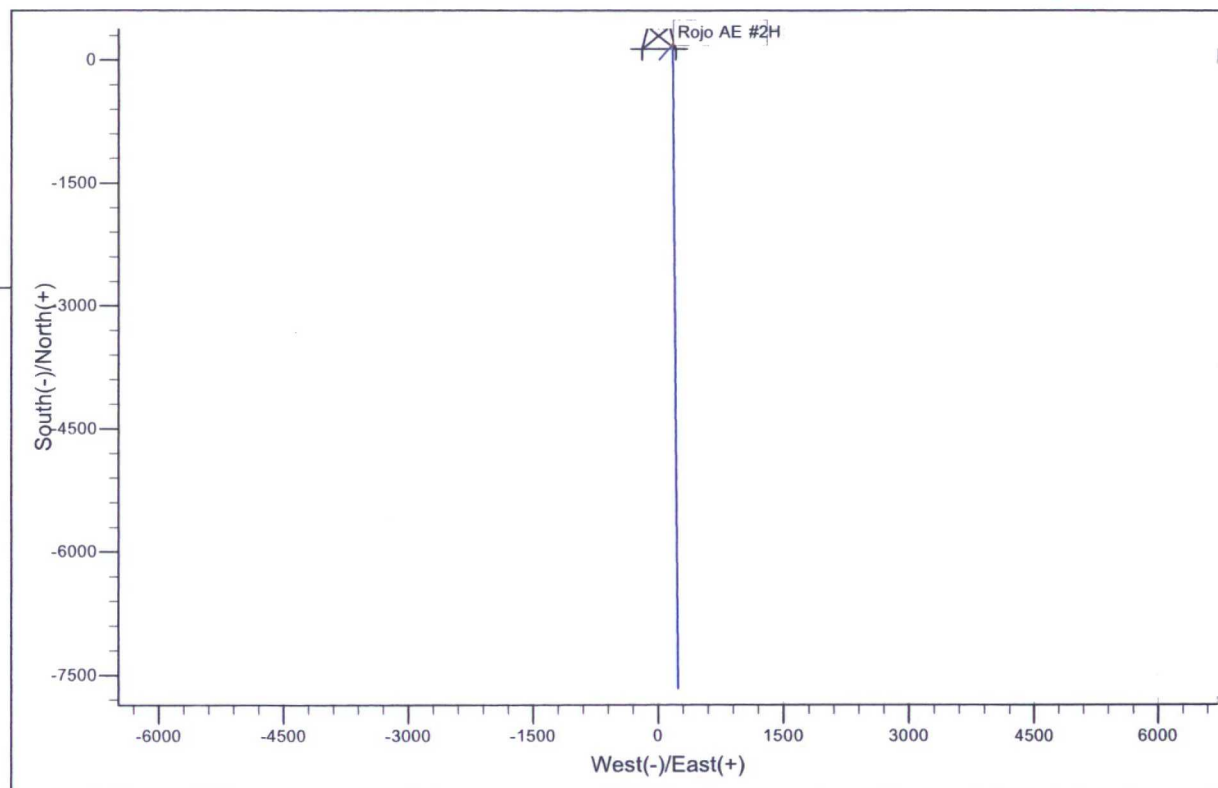
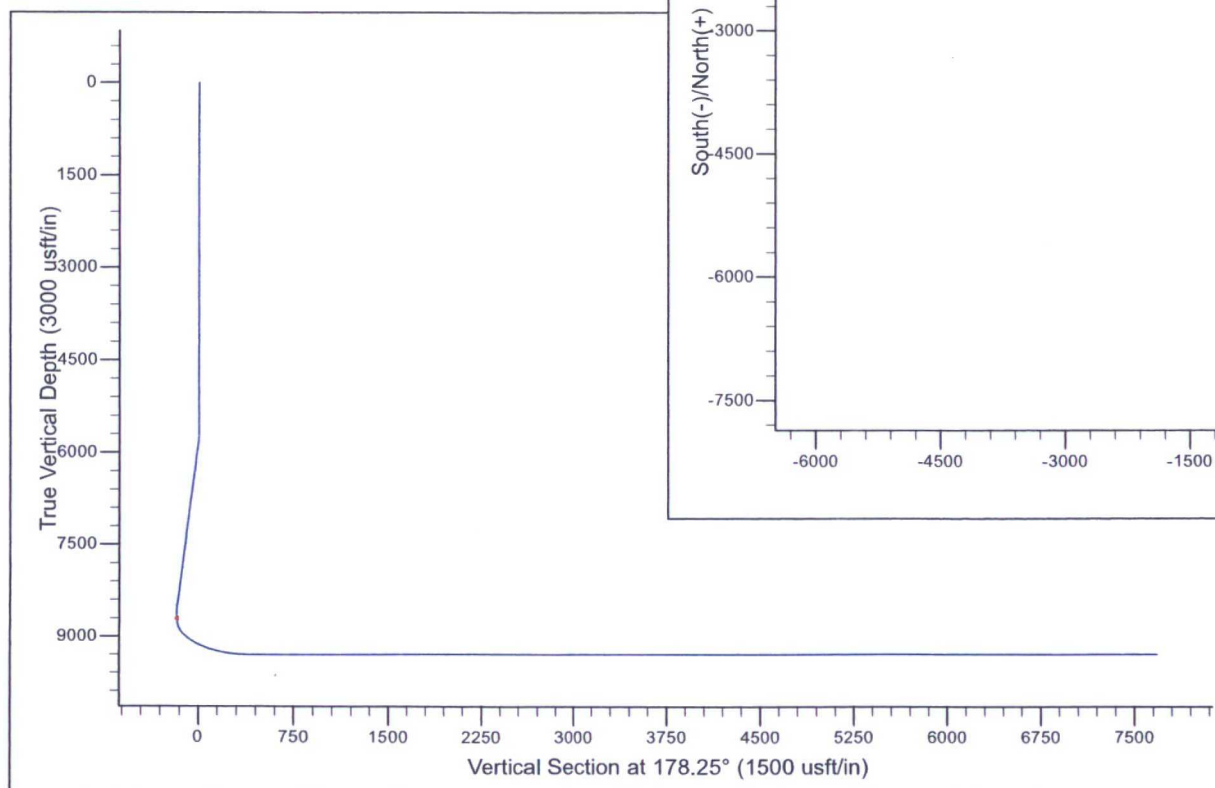
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Rojo AE BHL #2H - plan hits target center - Point	0.00	0.07	9,303.0	-7,671.8	234.3	396,294.00	780,110.00	32° 5' 13.725 N	103° 33' 44.460 W



WELL DETAILS: Rojo AE #2H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	403965.64	779875.68	32° 6' 29.655 N	103° 33' 46.546 W

SITE DETAILS: Rojo	
Site Centre Northing:	399077.50
Easting:	783078.55
Positional Uncertainty:	0.0
Convergence:	0.41
Local North:	Grid

BTA Oil Producers, LLC



PROJECT DETAILS: Lea County, NM (NAD 83)	
Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico Eastern Zone
System Datum:	Ground Level