

Well Name: MAXUS 8026 FED	Well Location: T22S / R34E / SEC 34 / NWNW / 32.354707 / -103.463085	County or Parish/State: LEA / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM019143, NMNM19143	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546814	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 02/19/2021	Time Sundry Submitted: 09:05
Date proposed operation will begin: 02/18/2021	

Procedure Description: BTA Oil Producers LLC respectfully requests the following footage, casing depth, and drill plan changes to the original APD as approved. Please see attachment documents for more details OLD FOOTAGES: SHL: 260' FNL & 1050'FWL (NO CHANGE) FTP: 100' FNL & 1780'FWL LTP: 2540' FNL & 1780'FWL BHL: 2590' FNL & 1780'FWL NEW FOOTAGES FTP: 100' FNL & 1980' FWL LTP: 2540' FNL & 1980' FWL BHL: 2590' FNL & 1980' FWL

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- Maxus_2H_Revised_Drill_Plan_for_BLM_Sundry_20210219090324.pdf
 - Maxus_02H_Wall_plot_NEW_20210219090312.pdf
 - Maxus_02H_directional_plan_New_20210219090312.pdf
 - Signed_Revised_Maxus_2H_c102_20210219090242.pdf

Well Name: MAXUS 8026 FED	Well Location: T22S / R34E / SEC 34 / NWNW / 32.354707 / -103.463085	County or Parish/State: LEA / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM019143, NMNM19143	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546814	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

Conditions of Approval

Additional Reviews

MAXUS_8026_FED_2H_Drilling_1515881_COA_OTA_20210304114255.pdf

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: HAJAR
Signed on: FEB 19, 2021 09:03 AM
Name: BTA OIL PRODUCERS LLC
Title: Regulatory Analyst
Street Address: 104 S. Pecos
City: Midland **State:** TX
Phone: (432) 682-3753
Email address: NOT ENTERED

Field Representative

Representative Name:
Street Address:
City: **State:** **Zip:**
Phone:
Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS
BLM POC Phone: 5752342234
Disposition: Approved
Signature: Chris Walls
BLM POC Title: Petroleum Engineer
BLM POC Email Address: cwalls@blm.gov
Disposition Date: 03/19/2021

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BTA Oil Producers LLC
LEASE NO.:	NMNM019143
WELL NAME & NO.:	MAXUS 8026 FED 2H
SURFACE HOLE FOOTAGE:	260'/N & 1050'/W
BOTTOM HOLE FOOTAGE:	2590'/N & 1980'/W
LOCATION:	Section 34, T.22 S., R.34 E., NMPPM
COUNTY:	Lea County, New Mexico

COA

H2S	☐ Yes	☒ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Other	☐ 4 String Area	☒ Capitan Reef	☐ WIPP
Other	☒ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☐ COM	☐ Unit

All Previous COAs Still Apply.

A. CASING

Casing Design:

1. The 13-3/8 inch surface casing shall be set at approximately **1700** feet (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength,

whichever is greater.

- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The 9-5/8 inch intermediate casing shall be set at approximately **5594** feet. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
 - ❖ In Capitan Reef Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
 - ❖ **Special Capitan Reef requirements.** If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following:
(Use this for 3 string wells in the Capitan Reef, if 4 string well ensure FW based mud used across the capitan interval)
 - Switch to fresh water mud to protect the Capitan Reef and use fresh water mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.
 - Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.
3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least **50 feet** on top of Capitan Reef top. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
Excess cement calculates to -1%, additional cement might be required.

B. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

OTA03042021

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

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

AMENDED REPORT

**OJO CHISO; BONE
SPRING, SOUTH**

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-46814	Pool Code 97293	Pool Name Antelope Ridge; Bone Spring
Property Code	Property Name MAXUS 8026 FED	Well Number 2H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 3403'

Surface Location

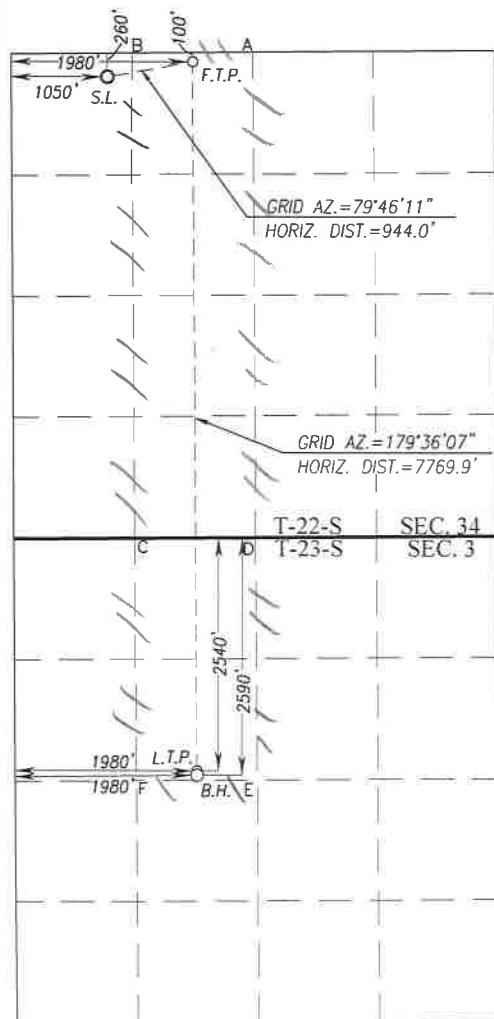
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	22-S	34-E		260	NORTH	1050	WEST	LEA

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	3	23-S	34-E		2590	NORTH	1980	WEST	LEA
Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No.						

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

SCALE: 1"=2000'



GEODETTIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 493866.4 N
X= 810064.7 E
LAT.=32.354707° N
LONG.=103.463085° W
FIRST TAKE POINT
NAD 83 NME
Y= 494034.1 N
X= 810993.5 E
LAT.=32.355147° N
LONG.=103.460073° W
GEODETTIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 493806.2 N
X= 768881.4 E
LAT.=32.354583° N
LONG.=103.462606° W
FIRST TAKE POINT
NAD 27 NME
Y= 493973.8 N
X= 769810.2 E
LAT.=32.355023° N
LONG.=103.459594° W

CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 494079.2 N, X= 770466.9 E
B - Y= 494068.1 N, X= 769150.2 E
C - Y= 488789.6 N, X= 769181.5 E
D - Y= 488800.4 N, X= 770502.1 E
E - Y= 486157.2 N, X= 770524.7 E
F - Y= 486147.7 N, X= 769204.6 E

CORNER COORDINATES TABLE
NAD 83 NME

A - Y= 494139.5 N, X= 811650.3 E
B - Y= 494128.3 N, X= 810333.6 E
C - Y= 488849.7 N, X= 810365.0 E
D - Y= 488860.5 N, X= 811685.5 E
E - Y= 486217.2 N, X= 811708.2 E
F - Y= 486207.7 N, X= 810388.1 E

LAST TAKE POINT
NAD 83 NME
Y= 486315.6 N
X= 811047.1 E
LAT.=32.333931° N
LONG.=103.460104° W
LAST TAKE POINT
NAD 27 NME
Y= 486255.6 N
X= 769863.5 E
LAT.=32.333807° N
LONG.=103.459625° W

BOTTOM HOLE LOCATION
NAD 83 NME
Y= 486265.6 N
X= 811047.5 E
LAT.=32.333794° N
LONG.=103.460104° W
BOTTOM HOLE LOCATION
NAD 27 NME
Y= 486205.6 N
X= 769864.0 E
LAT.=32.333670° N
LONG.=103.459625° W

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.

Signature: *Sammy Hajar* Date: 2/19/21
Printed Name: **Sammy Hajar**
E-mail Address: **SHAJAR@BTAOIL.COM**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or other surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge.

Signature: *Ronald J. Eidson* Date: 12/22/2020
Certificate Number: 3239
Gary G. Eidson 12641
Ronald J. Eidson 3239
LSL Rel W O: 19 11 0173 JWSC W O: 20 13 0576

BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Maxus

Maxus #02H

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

25 January, 2021

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Maxus #02H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3403.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3403.0usft
Site:	Maxus	North Reference:	Grid
Well:	Maxus #02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	Maxus					
Site Position:		Northing:	486,041.54	usft	Latitude:	32° 19' 59.511 N
From:	Map	Easting:	810,169.59	usft	Longitude:	103° 27' 46.626 W
Position Uncertainty:		0.0	usft	Slot Radius:	13-3/16	"

Well	Maxus #02H					
Well Position	+N/-S	0.0 usft	Northing:	493,866.40 usft	Latitude:	32° 21' 16.945 N
	+E/-W	0.0 usft	Easting:	810,064.70 usft	Longitude:	103° 27' 47.108 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,403.0 usft
Grid Convergence:		0.47 °				

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.71	60.38	48,884.79330374

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	172.63

Plan Survey Tool Program	Date	1/25/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,058.0 Design #1 (Wellbore #1)		

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Maxus #02H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3403.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3403.0usft
Site:	Maxus	North Reference:	Grid
Well:	Maxus #02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,400.0	8.00	75.53	2,398.7	7.0	27.0	2.00	2.00	0.00	75.53	
8,900.6	8.00	75.53	8,836.0	233.0	903.0	0.00	0.00	0.00	0.00	
9,300.6	0.00	0.00	9,234.7	240.0	930.0	2.00	-2.00	0.00	180.00	
9,839.9	0.00	0.00	9,774.0	240.0	930.0	0.00	0.00	0.00	0.00	
9,889.9	0.00	0.00	9,824.0	240.0	930.0	0.00	0.00	0.00	0.00	
10,789.9	90.00	179.61	10,397.0	-332.9	933.9	10.00	10.00	0.00	179.61	
18,058.0	90.00	179.61	10,397.0	-7,600.9	982.8	0.00	0.00	0.00	0.00	Maxus #2H BHL

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Maxus #02H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3403.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3403.0usft
Site:	Maxus	North Reference:	Grid
Well:	Maxus #02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
100.0	0.00	0.00	100.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
200.0	0.00	0.00	200.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
300.0	0.00	0.00	300.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
400.0	0.00	0.00	400.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
500.0	0.00	0.00	500.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
600.0	0.00	0.00	600.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
700.0	0.00	0.00	700.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
800.0	0.00	0.00	800.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
900.0	0.00	0.00	900.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	493,866.40	810,064.70	32° 21' 16.945 N	103° 27' 47.108 W
2,100.0	2.00	75.53	2,100.0	0.4	1.7	493,866.84	810,066.39	32° 21' 16.949 N	103° 27' 47.088 W
2,200.0	4.00	75.53	2,199.8	1.7	6.8	493,868.14	810,071.46	32° 21' 16.962 N	103° 27' 47.029 W
2,300.0	6.00	75.53	2,299.5	3.9	15.2	493,870.32	810,079.89	32° 21' 16.982 N	103° 27' 46.930 W
2,400.0	8.00	75.53	2,398.7	7.0	27.0	493,873.37	810,091.69	32° 21' 17.012 N	103° 27' 46.792 W
2,500.0	8.00	75.53	2,497.7	10.4	40.5	493,876.85	810,105.17	32° 21' 17.045 N	103° 27' 46.635 W
2,600.0	8.00	75.53	2,596.8	13.9	53.9	493,880.32	810,118.64	32° 21' 17.078 N	103° 27' 46.477 W
2,700.0	8.00	75.53	2,695.8	17.4	67.4	493,883.80	810,132.12	32° 21' 17.112 N	103° 27' 46.320 W
2,800.0	8.00	75.53	2,794.8	20.9	80.9	493,887.28	810,145.60	32° 21' 17.145 N	103° 27' 46.163 W
2,900.0	8.00	75.53	2,893.8	24.4	94.4	493,890.76	810,159.07	32° 21' 17.178 N	103° 27' 46.005 W
3,000.0	8.00	75.53	2,992.9	27.8	107.9	493,894.23	810,172.55	32° 21' 17.212 N	103° 27' 45.848 W
3,100.0	8.00	75.53	3,091.9	31.3	121.3	493,897.71	810,186.02	32° 21' 17.245 N	103° 27' 45.690 W
3,200.0	8.00	75.53	3,190.9	34.8	134.8	493,901.19	810,199.50	32° 21' 17.278 N	103° 27' 45.533 W
3,300.0	8.00	75.53	3,289.9	38.3	148.3	493,904.67	810,212.97	32° 21' 17.312 N	103° 27' 45.375 W
3,400.0	8.00	75.53	3,389.0	41.7	161.8	493,908.14	810,226.45	32° 21' 17.345 N	103° 27' 45.218 W
3,500.0	8.00	75.53	3,488.0	45.2	175.2	493,911.62	810,239.93	32° 21' 17.378 N	103° 27' 45.061 W
3,600.0	8.00	75.53	3,587.0	48.7	188.7	493,915.10	810,253.40	32° 21' 17.411 N	103° 27' 44.903 W
3,700.0	8.00	75.53	3,686.0	52.2	202.2	493,918.58	810,266.88	32° 21' 17.445 N	103° 27' 44.746 W
3,800.0	8.00	75.53	3,785.1	55.7	215.7	493,922.05	810,280.35	32° 21' 17.478 N	103° 27' 44.588 W
3,900.0	8.00	75.53	3,884.1	59.1	229.1	493,925.53	810,293.83	32° 21' 17.511 N	103° 27' 44.431 W
4,000.0	8.00	75.53	3,983.1	62.6	242.6	493,929.01	810,307.30	32° 21' 17.545 N	103° 27' 44.274 W
4,100.0	8.00	75.53	4,082.2	66.1	256.1	493,932.49	810,320.78	32° 21' 17.578 N	103° 27' 44.116 W
4,200.0	8.00	75.53	4,181.2	69.6	269.6	493,935.96	810,334.26	32° 21' 17.611 N	103° 27' 43.959 W
4,300.0	8.00	75.53	4,280.2	73.0	283.0	493,939.44	810,347.73	32° 21' 17.645 N	103° 27' 43.801 W
4,400.0	8.00	75.53	4,379.2	76.5	296.5	493,942.92	810,361.21	32° 21' 17.678 N	103° 27' 43.644 W
4,500.0	8.00	75.53	4,478.3	80.0	310.0	493,946.40	810,374.68	32° 21' 17.711 N	103° 27' 43.486 W
4,600.0	8.00	75.53	4,577.3	83.5	323.5	493,949.87	810,388.16	32° 21' 17.745 N	103° 27' 43.329 W
4,700.0	8.00	75.53	4,676.3	87.0	336.9	493,953.35	810,401.63	32° 21' 17.778 N	103° 27' 43.172 W
4,800.0	8.00	75.53	4,775.3	90.4	350.4	493,956.83	810,415.11	32° 21' 17.811 N	103° 27' 43.014 W
4,900.0	8.00	75.53	4,874.4	93.9	363.9	493,960.31	810,428.59	32° 21' 17.845 N	103° 27' 42.857 W
5,000.0	8.00	75.53	4,973.4	97.4	377.4	493,963.79	810,442.06	32° 21' 17.878 N	103° 27' 42.699 W
5,100.0	8.00	75.53	5,072.4	100.9	390.8	493,967.26	810,455.54	32° 21' 17.911 N	103° 27' 42.542 W
5,200.0	8.00	75.53	5,171.5	104.3	404.3	493,970.74	810,469.01	32° 21' 17.945 N	103° 27' 42.385 W
5,300.0	8.00	75.53	5,270.5	107.8	417.8	493,974.22	810,482.49	32° 21' 17.978 N	103° 27' 42.227 W
5,400.0	8.00	75.53	5,369.5	111.3	431.3	493,977.70	810,495.96	32° 21' 18.011 N	103° 27' 42.070 W

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Maxus #02H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3403.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3403.0usft
Site:	Maxus	North Reference:	Grid
Well:	Maxus #02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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	8.00	75.53	5,468.5	114.8	444.7	493,981.17	810,509.44	32° 21' 18.045 N	103° 27' 41.912 W	
5,600.0	8.00	75.53	5,567.6	118.3	458.2	493,984.65	810,522.92	32° 21' 18.078 N	103° 27' 41.755 W	
5,700.0	8.00	75.53	5,666.6	121.7	471.7	493,988.13	810,536.39	32° 21' 18.111 N	103° 27' 41.597 W	
5,800.0	8.00	75.53	5,765.6	125.2	485.2	493,991.61	810,549.87	32° 21' 18.145 N	103° 27' 41.440 W	
5,900.0	8.00	75.53	5,864.6	128.7	498.6	493,995.08	810,563.34	32° 21' 18.178 N	103° 27' 41.283 W	
6,000.0	8.00	75.53	5,963.7	132.2	512.1	493,998.56	810,576.82	32° 21' 18.211 N	103° 27' 41.125 W	
6,100.0	8.00	75.53	6,062.7	135.6	525.6	494,002.04	810,590.29	32° 21' 18.245 N	103° 27' 40.968 W	
6,200.0	8.00	75.53	6,161.7	139.1	539.1	494,005.52	810,603.77	32° 21' 18.278 N	103° 27' 40.810 W	
6,300.0	8.00	75.53	6,260.7	142.6	552.6	494,008.99	810,617.25	32° 21' 18.311 N	103° 27' 40.653 W	
6,400.0	8.00	75.53	6,359.8	146.1	566.0	494,012.47	810,630.72	32° 21' 18.345 N	103° 27' 40.496 W	
6,500.0	8.00	75.53	6,458.8	149.5	579.5	494,015.95	810,644.20	32° 21' 18.378 N	103° 27' 40.338 W	
6,600.0	8.00	75.53	6,557.8	153.0	593.0	494,019.43	810,657.67	32° 21' 18.411 N	103° 27' 40.181 W	
6,700.0	8.00	75.53	6,656.9	156.5	606.5	494,022.90	810,671.15	32° 21' 18.445 N	103° 27' 40.023 W	
6,800.0	8.00	75.53	6,755.9	160.0	619.9	494,026.38	810,684.62	32° 21' 18.478 N	103° 27' 39.866 W	
6,900.0	8.00	75.53	6,854.9	163.5	633.4	494,029.86	810,698.10	32° 21' 18.511 N	103° 27' 39.708 W	
7,000.0	8.00	75.53	6,953.9	166.9	646.9	494,033.34	810,711.58	32° 21' 18.545 N	103° 27' 39.551 W	
7,100.0	8.00	75.53	7,053.0	170.4	660.4	494,036.81	810,725.05	32° 21' 18.578 N	103° 27' 39.394 W	
7,200.0	8.00	75.53	7,152.0	173.9	673.8	494,040.29	810,738.53	32° 21' 18.611 N	103° 27' 39.236 W	
7,300.0	8.00	75.53	7,251.0	177.4	687.3	494,043.77	810,752.00	32° 21' 18.644 N	103° 27' 39.079 W	
7,400.0	8.00	75.53	7,350.0	180.8	700.8	494,047.25	810,765.48	32° 21' 18.678 N	103° 27' 38.921 W	
7,500.0	8.00	75.53	7,449.1	184.3	714.3	494,050.73	810,778.95	32° 21' 18.711 N	103° 27' 38.764 W	
7,600.0	8.00	75.53	7,548.1	187.8	727.7	494,054.20	810,792.43	32° 21' 18.744 N	103° 27' 38.607 W	
7,700.0	8.00	75.53	7,647.1	191.3	741.2	494,057.68	810,805.91	32° 21' 18.778 N	103° 27' 38.449 W	
7,800.0	8.00	75.53	7,746.1	194.8	754.7	494,061.16	810,819.38	32° 21' 18.811 N	103° 27' 38.292 W	
7,900.0	8.00	75.53	7,845.2	198.2	768.2	494,064.64	810,832.86	32° 21' 18.844 N	103° 27' 38.134 W	
8,000.0	8.00	75.53	7,944.2	201.7	781.6	494,068.11	810,846.33	32° 21' 18.878 N	103° 27' 37.977 W	
8,100.0	8.00	75.53	8,043.2	205.2	795.1	494,071.59	810,859.81	32° 21' 18.911 N	103° 27' 37.819 W	
8,200.0	8.00	75.53	8,142.3	208.7	808.6	494,075.07	810,873.28	32° 21' 18.944 N	103° 27' 37.662 W	
8,300.0	8.00	75.53	8,241.3	212.1	822.1	494,078.55	810,886.76	32° 21' 18.978 N	103° 27' 37.505 W	
8,400.0	8.00	75.53	8,340.3	215.6	835.5	494,082.02	810,900.24	32° 21' 19.011 N	103° 27' 37.347 W	
8,500.0	8.00	75.53	8,439.3	219.1	849.0	494,085.50	810,913.71	32° 21' 19.044 N	103° 27' 37.190 W	
8,600.0	8.00	75.53	8,538.4	222.6	862.5	494,088.98	810,927.19	32° 21' 19.078 N	103° 27' 37.032 W	
8,700.0	8.00	75.53	8,637.4	226.1	876.0	494,092.46	810,940.66	32° 21' 19.111 N	103° 27' 36.875 W	
8,800.0	8.00	75.53	8,736.4	229.5	889.4	494,095.93	810,954.14	32° 21' 19.144 N	103° 27' 36.717 W	
8,900.0	8.00	75.53	8,835.4	233.0	902.9	494,099.41	810,967.61	32° 21' 19.178 N	103° 27' 36.560 W	
8,900.6	8.00	75.53	8,836.0	233.0	903.0	494,099.43	810,967.70	32° 21' 19.178 N	103° 27' 36.559 W	
9,000.0	6.01	75.53	8,934.7	236.1	914.7	494,102.46	810,979.43	32° 21' 19.207 N	103° 27' 36.422 W	
9,100.0	4.01	75.53	9,034.3	238.2	923.2	494,104.64	810,987.89	32° 21' 19.228 N	103° 27' 36.323 W	
9,200.0	2.01	75.53	9,134.2	239.6	928.3	494,105.96	810,992.98	32° 21' 19.240 N	103° 27' 36.264 W	
9,300.0	0.01	75.53	9,234.1	240.0	930.0	494,106.40	810,994.69	32° 21' 19.245 N	103° 27' 36.244 W	
9,300.6	0.00	0.00	9,234.7	240.0	930.0	494,106.40	810,994.69	32° 21' 19.245 N	103° 27' 36.244 W	
9,400.0	0.00	0.00	9,334.1	240.0	930.0	494,106.40	810,994.69	32° 21' 19.245 N	103° 27' 36.244 W	
9,500.0	0.00	0.00	9,434.1	240.0	930.0	494,106.40	810,994.69	32° 21' 19.245 N	103° 27' 36.244 W	
9,600.0	0.00	0.00	9,534.1	240.0	930.0	494,106.40	810,994.69	32° 21' 19.245 N	103° 27' 36.244 W	
9,700.0	0.00	0.00	9,634.1	240.0	930.0	494,106.40	810,994.69	32° 21' 19.245 N	103° 27' 36.244 W	
9,800.0	0.00	0.00	9,734.1	240.0	930.0	494,106.40	810,994.69	32° 21' 19.245 N	103° 27' 36.244 W	
9,839.9	0.00	0.00	9,774.0	240.0	930.0	494,106.40	810,994.69	32° 21' 19.245 N	103° 27' 36.244 W	
9,889.9	0.00	0.00	9,824.0	240.0	930.0	494,106.40	810,994.69	32° 21' 19.245 N	103° 27' 36.244 W	
9,900.0	1.01	179.61	9,834.1	239.9	930.0	494,106.31	810,994.69	32° 21' 19.244 N	103° 27' 36.244 W	
10,000.0	11.01	179.61	9,933.5	229.5	930.1	494,095.85	810,994.76	32° 21' 19.140 N	103° 27' 36.244 W	
10,100.0	21.01	179.61	10,029.5	201.9	930.3	494,068.31	810,994.95	32° 21' 18.868 N	103° 27' 36.244 W	
10,200.0	31.01	179.61	10,119.2	158.1	930.6	494,024.51	810,995.24	32° 21' 18.434 N	103° 27' 36.245 W	
10,300.0	41.01	179.61	10,200.0	99.4	930.9	493,965.80	810,995.64	32° 21' 17.853 N	103° 27' 36.246 W	
10,400.0	51.01	179.61	10,269.4	27.5	931.4	493,893.95	810,996.12	32° 21' 17.142 N	103° 27' 36.247 W	
10,500.0	61.01	179.61	10,325.2	-55.3	932.0	493,811.14	810,996.68	32° 21' 16.323 N	103° 27' 36.249 W	

Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Maxus #02H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3403.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3403.0usft
Site:	Maxus	North Reference:	Grid
Well:	Maxus #02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
10,600.0	71.01	179.61	10,365.8	-146.5	932.6	493,719.90	810,997.29	32° 21' 15.420 N	103° 27' 36.250 W	
10,700.0	81.01	179.61	10,390.0	-243.4	933.3	493,622.99	810,997.95	32° 21' 14.461 N	103° 27' 36.252 W	
10,789.9	90.00	179.61	10,397.0	-332.9	933.9	493,533.46	810,998.55	32° 21' 13.575 N	103° 27' 36.253 W	
10,800.0	90.00	179.61	10,397.0	-343.0	933.9	493,523.36	810,998.62	32° 21' 13.475 N	103° 27' 36.253 W	
10,900.0	90.00	179.61	10,397.0	-443.0	934.6	493,423.36	810,999.29	32° 21' 12.486 N	103° 27' 36.255 W	
11,000.0	90.00	179.61	10,397.0	-543.0	935.3	493,323.37	810,999.96	32° 21' 11.496 N	103° 27' 36.257 W	
11,100.0	90.00	179.61	10,397.0	-643.0	935.9	493,223.37	811,000.64	32° 21' 10.507 N	103° 27' 36.258 W	
11,200.0	90.00	179.61	10,397.0	-743.0	936.6	493,123.37	811,001.31	32° 21' 9.517 N	103° 27' 36.260 W	
11,300.0	90.00	179.61	10,397.0	-843.0	937.3	493,023.38	811,001.98	32° 21' 8.528 N	103° 27' 36.262 W	
11,400.0	90.00	179.61	10,397.0	-943.0	938.0	492,923.38	811,002.66	32° 21' 7.538 N	103° 27' 36.263 W	
11,500.0	90.00	179.61	10,397.0	-1,043.0	938.6	492,823.38	811,003.33	32° 21' 6.549 N	103° 27' 36.265 W	
11,600.0	90.00	179.61	10,397.0	-1,143.0	939.3	492,723.39	811,004.01	32° 21' 5.559 N	103° 27' 36.267 W	
11,700.0	90.00	179.61	10,397.0	-1,243.0	940.0	492,623.39	811,004.68	32° 21' 4.570 N	103° 27' 36.268 W	
11,800.0	90.00	179.61	10,397.0	-1,343.0	940.7	492,523.39	811,005.35	32° 21' 3.580 N	103° 27' 36.270 W	
11,900.0	90.00	179.61	10,397.0	-1,443.0	941.3	492,423.40	811,006.03	32° 21' 2.591 N	103° 27' 36.272 W	
12,000.0	90.00	179.61	10,397.0	-1,543.0	942.0	492,323.40	811,006.70	32° 21' 1.601 N	103° 27' 36.273 W	
12,100.0	90.00	179.61	10,397.0	-1,643.0	942.7	492,223.40	811,007.37	32° 21' 0.612 N	103° 27' 36.275 W	
12,200.0	90.00	179.61	10,397.0	-1,743.0	943.4	492,123.40	811,008.05	32° 20' 59.622 N	103° 27' 36.277 W	
12,300.0	90.00	179.61	10,397.0	-1,843.0	944.0	492,023.41	811,008.72	32° 20' 58.633 N	103° 27' 36.278 W	
12,400.0	90.00	179.61	10,397.0	-1,943.0	944.7	491,923.41	811,009.39	32° 20' 57.643 N	103° 27' 36.280 W	
12,500.0	90.00	179.61	10,397.0	-2,043.0	945.4	491,823.41	811,010.07	32° 20' 56.654 N	103° 27' 36.282 W	
12,600.0	90.00	179.61	10,397.0	-2,143.0	946.0	491,723.42	811,010.74	32° 20' 55.664 N	103° 27' 36.283 W	
12,700.0	90.00	179.61	10,397.0	-2,243.0	946.7	491,623.42	811,011.41	32° 20' 54.675 N	103° 27' 36.285 W	
12,800.0	90.00	179.61	10,397.0	-2,343.0	947.4	491,523.42	811,012.09	32° 20' 53.685 N	103° 27' 36.287 W	
12,900.0	90.00	179.61	10,397.0	-2,443.0	948.1	491,423.43	811,012.76	32° 20' 52.696 N	103° 27' 36.288 W	
13,000.0	90.00	179.61	10,397.0	-2,543.0	948.7	491,323.43	811,013.43	32° 20' 51.706 N	103° 27' 36.290 W	
13,100.0	90.00	179.61	10,397.0	-2,643.0	949.4	491,223.43	811,014.11	32° 20' 50.717 N	103° 27' 36.292 W	
13,200.0	90.00	179.61	10,397.0	-2,743.0	950.1	491,123.44	811,014.78	32° 20' 49.727 N	103° 27' 36.293 W	
13,300.0	90.00	179.61	10,397.0	-2,843.0	950.8	491,023.44	811,015.45	32° 20' 48.738 N	103° 27' 36.295 W	
13,400.0	90.00	179.61	10,397.0	-2,943.0	951.4	490,923.44	811,016.13	32° 20' 47.748 N	103° 27' 36.296 W	
13,500.0	90.00	179.61	10,397.0	-3,043.0	952.1	490,823.45	811,016.80	32° 20' 46.759 N	103° 27' 36.298 W	
13,600.0	90.00	179.61	10,397.0	-3,143.0	952.8	490,723.45	811,017.47	32° 20' 45.769 N	103° 27' 36.300 W	
13,700.0	90.00	179.61	10,397.0	-3,243.0	953.5	490,623.45	811,018.15	32° 20' 44.780 N	103° 27' 36.301 W	
13,800.0	90.00	179.61	10,397.0	-3,343.0	954.1	490,523.45	811,018.82	32° 20' 43.790 N	103° 27' 36.303 W	
13,900.0	90.00	179.61	10,397.0	-3,443.0	954.8	490,423.46	811,019.50	32° 20' 42.801 N	103° 27' 36.305 W	
14,000.0	90.00	179.61	10,397.0	-3,543.0	955.5	490,323.46	811,020.17	32° 20' 41.811 N	103° 27' 36.306 W	
14,100.0	90.00	179.61	10,397.0	-3,643.0	956.2	490,223.46	811,020.84	32° 20' 40.822 N	103° 27' 36.308 W	
14,200.0	90.00	179.61	10,397.0	-3,743.0	956.8	490,123.47	811,021.52	32° 20' 39.832 N	103° 27' 36.310 W	
14,300.0	90.00	179.61	10,397.0	-3,843.0	957.5	490,023.47	811,022.19	32° 20' 38.843 N	103° 27' 36.311 W	
14,400.0	90.00	179.61	10,397.0	-3,943.0	958.2	489,923.47	811,022.86	32° 20' 37.853 N	103° 27' 36.313 W	
14,500.0	90.00	179.61	10,397.0	-4,043.0	958.8	489,823.48	811,023.54	32° 20' 36.864 N	103° 27' 36.315 W	
14,600.0	90.00	179.61	10,397.0	-4,143.0	959.5	489,723.48	811,024.21	32° 20' 35.874 N	103° 27' 36.316 W	
14,700.0	90.00	179.61	10,397.0	-4,243.0	960.2	489,623.48	811,024.88	32° 20' 34.885 N	103° 27' 36.318 W	
14,800.0	90.00	179.61	10,397.0	-4,343.0	960.9	489,523.49	811,025.56	32° 20' 33.895 N	103° 27' 36.320 W	
14,900.0	90.00	179.61	10,397.0	-4,442.9	961.5	489,423.49	811,026.23	32° 20' 32.906 N	103° 27' 36.321 W	
15,000.0	90.00	179.61	10,397.0	-4,542.9	962.2	489,323.49	811,026.90	32° 20' 31.916 N	103° 27' 36.323 W	
15,100.0	90.00	179.61	10,397.0	-4,642.9	962.9	489,223.49	811,027.58	32° 20' 30.927 N	103° 27' 36.325 W	
15,200.0	90.00	179.61	10,397.0	-4,742.9	963.6	489,123.50	811,028.25	32° 20' 29.937 N	103° 27' 36.326 W	
15,300.0	90.00	179.61	10,397.0	-4,842.9	964.2	489,023.50	811,028.92	32° 20' 28.948 N	103° 27' 36.328 W	
15,400.0	90.00	179.61	10,397.0	-4,942.9	964.9	488,923.50	811,029.60	32° 20' 27.958 N	103° 27' 36.330 W	
15,500.0	90.00	179.61	10,397.0	-5,042.9	965.6	488,823.51	811,030.27	32° 20' 26.969 N	103° 27' 36.331 W	
15,600.0	90.00	179.61	10,397.0	-5,142.9	966.3	488,723.51	811,030.94	32° 20' 25.980 N	103° 27' 36.333 W	
15,700.0	90.00	179.61	10,397.0	-5,242.9	966.9	488,623.51	811,031.62	32° 20' 24.990 N	103° 27' 36.335 W	
15,800.0	90.00	179.61	10,397.0	-5,342.9	967.6	488,523.52	811,032.29	32° 20' 24.001 N	103° 27' 36.336 W	
15,900.0	90.00	179.61	10,397.0	-5,442.9	968.3	488,423.52	811,032.96	32° 20' 23.011 N	103° 27' 36.338 W	

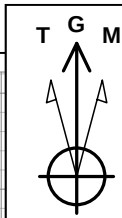
Microsoft
Planning Report - Geographic

Database:	EDM16	Local Co-ordinate Reference:	Well Maxus #02H
Company:	BTA Oil Producers, LLC	TVD Reference:	GL @ 3403.0usft
Project:	Lea County, NM (NAD 83)	MD Reference:	GL @ 3403.0usft
Site:	Maxus	North Reference:	Grid
Well:	Maxus #02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
16,000.0	90.00	179.61	10,397.0	-5,542.9	968.9	488,323.52	811,033.64	32° 20' 22.022 N	103° 27' 36.340 W	
16,100.0	90.00	179.61	10,397.0	-5,642.9	969.6	488,223.53	811,034.31	32° 20' 21.032 N	103° 27' 36.341 W	
16,200.0	90.00	179.61	10,397.0	-5,742.9	970.3	488,123.53	811,034.99	32° 20' 20.043 N	103° 27' 36.343 W	
16,300.0	90.00	179.61	10,397.0	-5,842.9	971.0	488,023.53	811,035.66	32° 20' 19.053 N	103° 27' 36.344 W	
16,400.0	90.00	179.61	10,397.0	-5,942.9	971.6	487,923.53	811,036.33	32° 20' 18.064 N	103° 27' 36.346 W	
16,500.0	90.00	179.61	10,397.0	-6,042.9	972.3	487,823.54	811,037.01	32° 20' 17.074 N	103° 27' 36.348 W	
16,600.0	90.00	179.61	10,397.0	-6,142.9	973.0	487,723.54	811,037.68	32° 20' 16.085 N	103° 27' 36.349 W	
16,700.0	90.00	179.61	10,397.0	-6,242.9	973.7	487,623.54	811,038.35	32° 20' 15.095 N	103° 27' 36.351 W	
16,800.0	90.00	179.61	10,397.0	-6,342.9	974.3	487,523.55	811,039.03	32° 20' 14.106 N	103° 27' 36.353 W	
16,900.0	90.00	179.61	10,397.0	-6,442.9	975.0	487,423.55	811,039.70	32° 20' 13.116 N	103° 27' 36.354 W	
17,000.0	90.00	179.61	10,397.0	-6,542.9	975.7	487,323.55	811,040.37	32° 20' 12.127 N	103° 27' 36.356 W	
17,100.0	90.00	179.61	10,397.0	-6,642.9	976.4	487,223.56	811,041.05	32° 20' 11.137 N	103° 27' 36.358 W	
17,200.0	90.00	179.61	10,397.0	-6,742.9	977.0	487,123.56	811,041.72	32° 20' 10.148 N	103° 27' 36.359 W	
17,300.0	90.00	179.61	10,397.0	-6,842.9	977.7	487,023.56	811,042.39	32° 20' 9.158 N	103° 27' 36.361 W	
17,400.0	90.00	179.61	10,397.0	-6,942.9	978.4	486,923.57	811,043.07	32° 20' 8.169 N	103° 27' 36.363 W	
17,500.0	90.00	179.61	10,397.0	-7,042.9	979.1	486,823.57	811,043.74	32° 20' 7.179 N	103° 27' 36.364 W	
17,600.0	90.00	179.61	10,397.0	-7,142.9	979.7	486,723.57	811,044.41	32° 20' 6.190 N	103° 27' 36.366 W	
17,700.0	90.00	179.61	10,397.0	-7,242.9	980.4	486,623.57	811,045.09	32° 20' 5.200 N	103° 27' 36.368 W	
17,800.0	90.00	179.61	10,397.0	-7,342.9	981.1	486,523.58	811,045.76	32° 20' 4.211 N	103° 27' 36.369 W	
17,900.0	90.00	179.61	10,397.0	-7,442.9	981.7	486,423.58	811,046.43	32° 20' 3.221 N	103° 27' 36.371 W	
18,000.0	90.00	179.61	10,397.0	-7,542.9	982.4	486,323.58	811,047.11	32° 20' 2.232 N	103° 27' 36.373 W	
18,058.0	90.00	179.61	10,397.0	-7,600.9	982.8	486,265.60	811,047.50	32° 20' 1.658 N	103° 27' 36.374 W	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Maxus #2H BHL	0.00	0.00	10,397.0	-7,600.9	982.8	486,265.60	811,047.50	32° 20' 1.658 N	103° 27' 36.374 W	
- plan hits target center										
- Point										

BTA Oil Producers, LLC



Azimuths to Grid North
True North: -0.47°
Magnetic North: 7.24°

Magnetic Field
Strength: 48884.8nT
Dip Angle: 60.38°
Date: 12/31/2009
Model: IGRF200510

WELL DETAILS: Maxus #02H

+N/-S	+E/-W	Northing	Ground Level Easting	3403.0 Latitude	Longitude
0.0	0.0	493866.40	810064.70	32° 21' 16.945 N	103° 27' 47.108 W

SITE DETAILS: Maxus

Site Centre Northing: 486041.54
Easting: 810169.59

Positional Uncertainty: 0.0
Convergence: 0.47
Local North: Grid

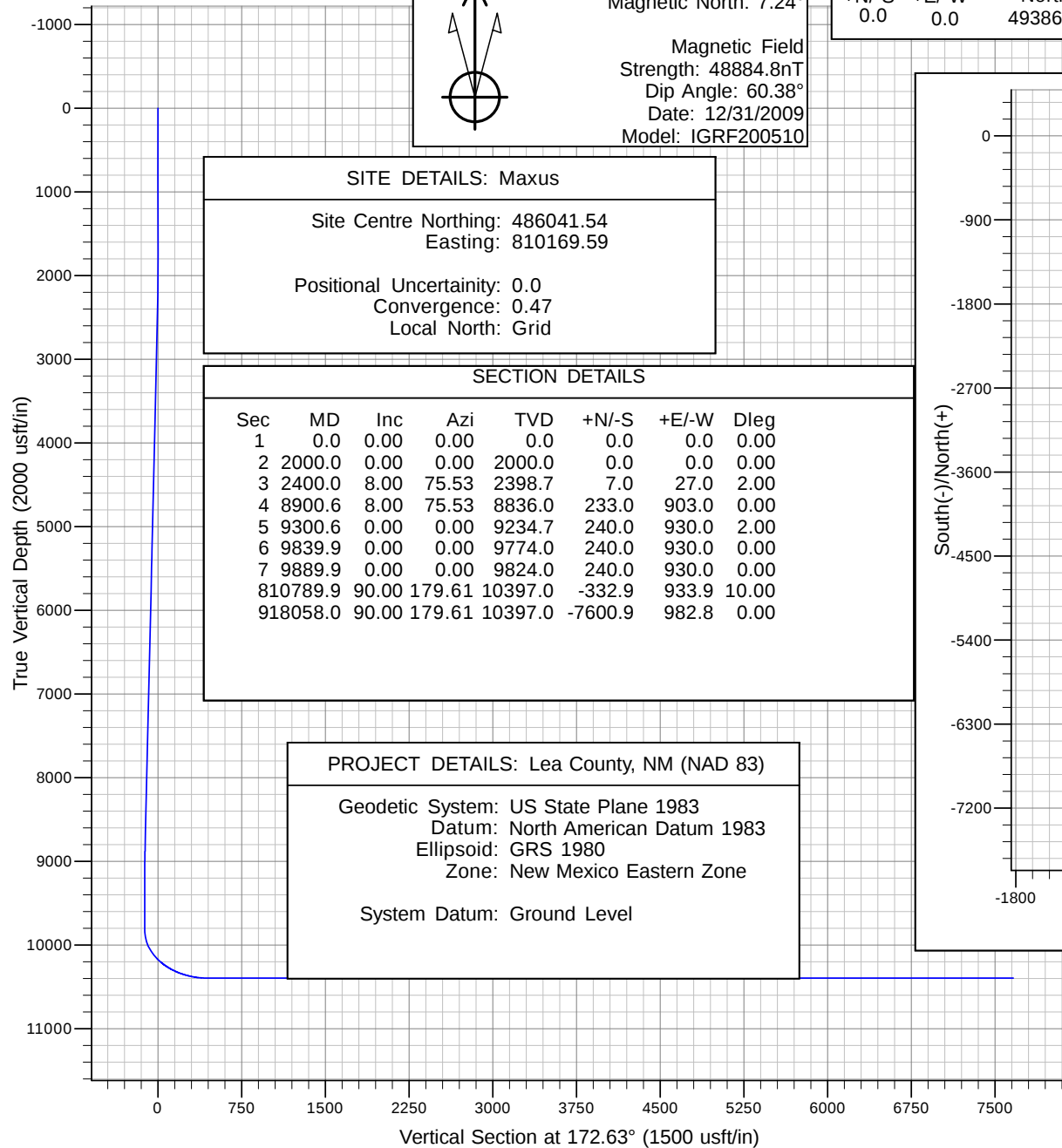
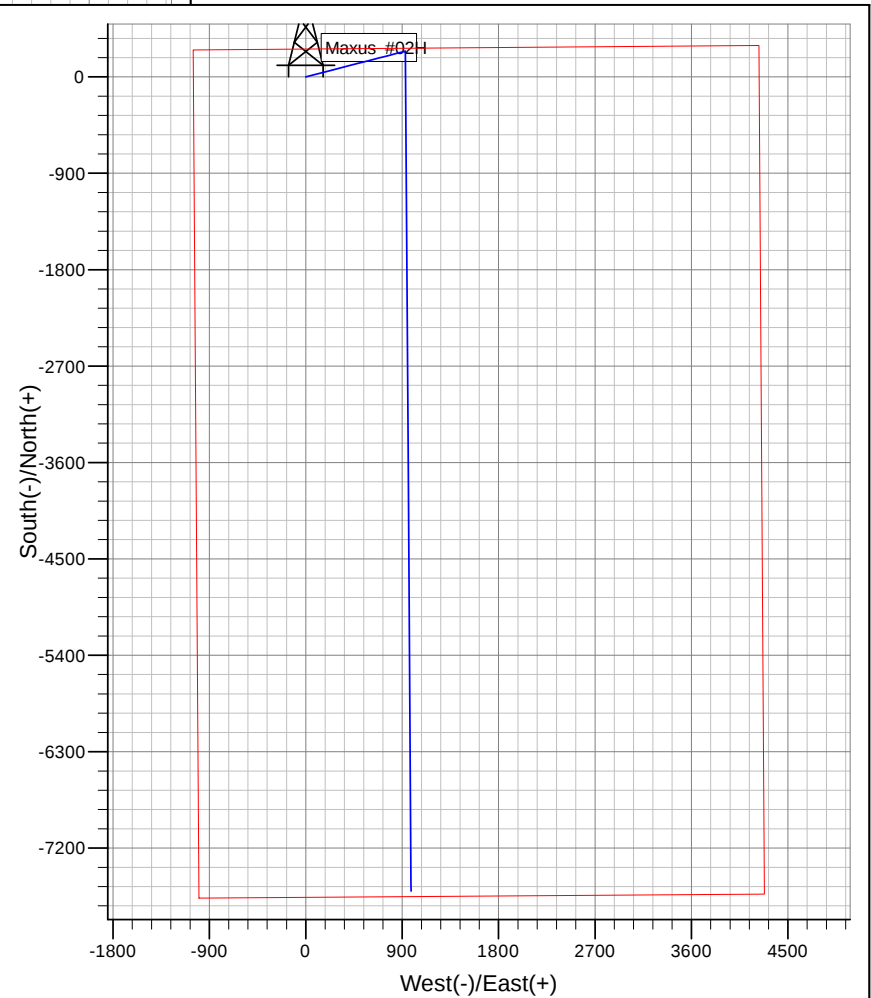
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00
3	2400.0	8.00	75.53	2398.7	7.0	27.0	2.00
4	8900.6	8.00	75.53	8836.0	233.0	903.0	0.00
5	9300.6	0.00	0.00	9234.7	240.0	930.0	2.00
6	9839.9	0.00	0.00	9774.0	240.0	930.0	0.00
7	9889.9	0.00	0.00	9824.0	240.0	930.0	0.00
8	10789.9	90.00	179.61	10397.0	-332.9	933.9	10.00
9	18058.0	90.00	179.61	10397.0	-7600.9	982.8	0.00

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





BTA Oil Producers, LLC
104 S Pecos
Midland, TX 79701

WELL: Maxus #02H
TVD: 10397
MD: 18058

DRILLING PLAN

Casing Program

Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/Buoyant	Mud Weight (ppg)
17 1/2	13 3/8	0	1700	0	1700	No	54.5	J-55	STC	1.5	3.7	9.2	5.5	Dry	8.3
12 1/4	9 5/8	0	5594	0	5562	No	40	J-55	LTC	1.7	1.5	2.8	2.3	Dry	9.4
8 3/4	5.5	0	18058	0	10397	No	17	P110	Buttress	1.5	2.1	1.8	1.9	Dry	9.4

Cementing Program

Csg. Size		Stage Tool Depth	Top MD of Segment	Bottom MD of Segment	Cement Type	Quantity (sk)	Yield (cu. Ft./sk)	Density (lbs. gal)	Volume (cu.ft.)	% Excess	Additives
13 3/8	Lead		0	1365	Class C	1100	1.73	13.5	1903	100%	2% CaCl2
	Tail		1365	1700	Class C	340	1.35	14.8	459	100%	2% CaCl2
9 5/8	Lead		0	5035	Class C	1485	2.46	12.8	3653.1	100%	0.5% CaCl2
	Tail		5035	5594	Class C	200	1.34	14.8	268	25%	1% CaCl2
5 1/2	Lead		4594	9910	25% Poz 75% Class C	515	3.9	10.5	2008.5	60%	0.4% Fluid Loss
	Tail		9910	18058	Class H	2060	1.25	14.4	2575	25%	0.2% LT Retarder

BOP/CHOKE

Pressure Rating: 5M

Rating Depth:14000

Requesting Variance?Choke Hose
Multi Bowl Wellhead

Pressure

Anticipated Bottom Hole Pressure:5,082 psi

Anticipated Bottom Hole Temperature:163 °F

Anticipated abnormal pressures, temperatures, or potential geologic hazards?None

Anticipated Surface Hole Pressure:2794.7136 psi

Hydrogen sulfide drilling operations plan required?Yes

Circulating Medium Table			
Depth (TVD)		Type	Weight (ppg)
From	To		
0	1700	FW Spud	8.3 – 8.4
1700	5562	FW Gel	9.0 – 9.4
5562	10397	Cut Brine	8.7 – 9.4

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 21504

CONDITIONS OF APPROVAL

Operator:	BTA OIL PRODUCERS, LLC	104 S Pecos	Midland, TX79701	OGRID:	260297	Action Number:	21504	Action Type:	C-103X
OCD Reviewer	Condition								
pkautz	Next time use correct pool name on form								