

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELL**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMMN15091
6. Condition, Location or Tribe Name**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Under CA/Agreement, Name and/or No.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. ROJO D 7811 JV P COM 3H ✓
2. Name of Operator BTA OIL PRODUCERS ✓		9. API Well No. 30-025-42899-00-X1
3a. Address 104 SOUTH PECOS STREET MIDLAND, TX 79701		10. Field and Pool, or Exploratory RED HILLS
3b. Phone No. (include area code) Ph: 432-682-3753 Ext: 139 Fx: 432-683-0325		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T25S R33E NWNE 210FNL 2178FEL ✓		11. County or Parish, and State LEA COUNTY, NM

12. CHECK 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	☐ Fracture Treat	☐ 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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Well was permitted as a one-mile horizontal - proposal is to amend to a two-mile horizontal.

Note: Surface location, as approved, is unchanged

BHL was: UL O 330' FSL & 2178' FEL, Sec 22 T25S-R33E, Lea Co
BHL is now: UL O 50' FSL & 2178' FEL, Sec 27 T25S-R33E, Lea CoProposed TVD was: 9345'
Proposed TVD is now: 9325'
Proposed MD was: 13873'
Proposed MD is now: 19381'**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #357075 verified by the BLM Well Information System For BTA OIL PRODUCERS, sent to the Hobbs Committed to AFMSS for processing by MUSTAFA HAQUE on 11/07/2016 (17MH0006SE)	
Name (Printed/Typed) PAM INSKEEP	Title REGULATORY ADMINISTRATOR
Signature (Electronic Submission)	Date 11/04/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>MUSTAFA HAQUE</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>11/07/2016</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 <u>Hobbs</u>

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.

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

MSB/OCD 11/16/2016

Additional data for EC transaction #357075 that would not fit on the form

32. Additional remarks, continued

Casing Program:

13-3/8" same as permitted

8-5/8" same as permitted

Change 5-1/2" as follows:

Hole	Csg	From MD	To MD	From TVD	To TVD	Wt	Grade	Conn	Collapse	Burst
8-3/4"	5-1/2"	0	19381'	0	9325'	17	P-110	LTC	3.04	4.32

Body Tensile Jt Tensile Dry/Buoy Mud Wt

3.37	2.74	Dry	8.9
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Cementing Program:

Surf Csg same as permitted

Int Csg same as permitted

Change Prod Csg as follows:

Csg Size	Top MD	Btm MD	Cmt Type	Qty	Yield	Density	Volume	
5-1/2"	Lead	4000'	7000'	50:50 H	360	4.41	10.5	1367
Tail	7000'	19381'	50:50 H	2870	1.22	14.4	1464	

% Excess Additive

Lead	15	1/4#/sk	Cello Flake
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Tail	15	50:50	CI H 0.004 GPS CF-41L
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Anticipated BHP was: 4115 psi @ 9360' TVD

Anticipated BHP is now: 4461 psi @ 9325' TVD

Pressure Control Equipment:

BOP/BOPE same as permitted

New: A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold

New: A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days.

If any seal subject to test pressure is broken, the system must be tested.

No abnormal pressure anticipated, same as permitted

No anticipated H2S, same as permitted

Mud Program:

Same as permitted

Testing and Coring Program:

Same as permitted

Attachments: Revised Plat

Revised Drilling Plan and Wall Plot

Flex Variance specs and hydrostatic test chart

Multibowl schematics

Revised one-mile radius map and data

**PECOS DISTRICT
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	BTA Oil Producers, LLC
LEASE NO.:	NMNM-15091
WELL NAME & NO.:	Rojo D 7811 JV-P Com 3H
SURFACE HOLE FOOTAGE:	0210' FNL & 2178' FEL
BOTTOM HOLE FOOTAGE:	050' FSL & 2178' FEL
LOCATION:	Section 22, T. 25 S., R 33 E., NMPM
COUNTY:	Lea County, New Mexico

All previous COAs still apply except the following:

A. CASING

1. The minimum required fill of cement behind the **5-1/2** inch production casing is:

☒ Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. **Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
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 3000 (3M) 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. **Operator shall perform the intermediate casing integrity test to 70% of the casing burst. This will test the multi-bowl seals.**
- e. **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.**

MHH 11072016

BTA Oil Producers, LLC

Lea County, NM

Rojo

Rojo D #3H

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

24 October, 2016

BTA
Planning Report - Geographic

Database: EDM 5000.1 Single User Db
Company: BTA Oil Producers, LLC
Project: Lea County, NM
Site: Rojo
Well: Rojo D #3H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Rojo D #3H
TVD Reference: KB @ 3390.0usft (Nomac 94)
MD Reference: KB @ 3390.0usft (Nomac 94)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM, Lea County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		Using geodetic scale factor

Site	Rojo			
Site Position:		Northing:	399,019.90 usft	Latitude: 32° 5' 40.608 N
From: Map		Easting:	741,892.00 usft	Longitude: 103° 33' 8.030 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.42 °

Well	Rojo D #3H			
Well Position	+N/-S	0.0 usft	Northing:	409,185.60 usft
	+E/-W	0.0 usft	Easting:	739,962.20 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,357.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.74	60.15	48,734

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	179.58

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	

BTA
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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	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
100.0	0.00	0.00	100.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
200.0	0.00	0.00	200.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
300.0	0.00	0.00	300.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
400.0	0.00	0.00	400.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
500.0	0.00	0.00	500.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
600.0	0.00	0.00	600.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
700.0	0.00	0.00	700.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
800.0	0.00	0.00	800.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
900.0	0.00	0.00	900.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,100.0	0.00	0.00	2,100.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,300.0	0.00	0.00	2,300.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,400.0	0.00	0.00	2,400.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,600.0	0.00	0.00	2,600.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,700.0	0.00	0.00	2,700.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,800.0	0.00	0.00	2,800.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
2,900.0	0.00	0.00	2,900.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
3,000.0	0.00	0.00	3,000.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
3,100.0	0.00	0.00	3,100.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
3,200.0	0.00	0.00	3,200.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
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3,400.0	0.00	0.00	3,400.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
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3,700.0	0.00	0.00	3,700.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
3,800.0	0.00	0.00	3,800.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
3,900.0	0.00	0.00	3,900.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
4,000.0	0.00	0.00	4,000.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
4,100.0	0.00	0.00	4,100.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
4,200.0	0.00	0.00	4,200.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
4,300.0	0.00	0.00	4,300.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
4,400.0	0.00	0.00	4,400.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
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4,600.0	0.00	0.00	4,600.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
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4,800.0	0.00	0.00	4,800.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
4,900.0	0.00	0.00	4,900.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
5,000.0	0.00	0.00	5,000.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
5,100.0	0.00	0.00	5,100.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
5,200.0	0.00	0.00	5,200.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
5,300.0	0.00	0.00	5,300.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
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BTA
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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	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
5,600.0	0.00	0.00	5,600.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
5,700.0	0.00	0.00	5,700.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
5,800.0	0.00	0.00	5,800.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
5,900.0	0.00	0.00	5,900.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,000.0	0.00	0.00	6,000.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,100.0	0.00	0.00	6,100.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,200.0	0.00	0.00	6,200.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,300.0	0.00	0.00	6,300.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,400.0	0.00	0.00	6,400.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,500.0	0.00	0.00	6,500.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,600.0	0.00	0.00	6,600.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,700.0	0.00	0.00	6,700.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,800.0	0.00	0.00	6,800.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
6,900.0	0.00	0.00	6,900.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,000.0	0.00	0.00	7,000.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,100.0	0.00	0.00	7,100.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,200.0	0.00	0.00	7,200.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,300.0	0.00	0.00	7,300.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,400.0	0.00	0.00	7,400.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,500.0	0.00	0.00	7,500.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,600.0	0.00	0.00	7,600.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,700.0	0.00	0.00	7,700.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,800.0	0.00	0.00	7,800.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
7,900.0	0.00	0.00	7,900.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,000.0	0.00	0.00	8,000.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,100.0	0.00	0.00	8,100.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,200.0	0.00	0.00	8,200.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,300.0	0.00	0.00	8,300.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,400.0	0.00	0.00	8,400.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,500.0	0.00	0.00	8,500.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,600.0	0.00	0.00	8,600.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,700.0	0.00	0.00	8,700.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,752.0	0.00	0.00	8,752.0	0.0	0.0	409,185.60	739,962.20	32° 7' 21.342 N	103° 33' 29.613 W
8,800.0	4.80	179.58	8,799.9	-2.0	0.0	409,183.59	739,962.21	32° 7' 21.322 N	103° 33' 29.613 W
8,900.0	14.80	179.58	8,898.4	-19.0	0.1	409,166.60	739,962.34	32° 7' 21.154 N	103° 33' 29.613 W
9,000.0	24.80	179.58	8,992.3	-52.8	0.4	409,132.78	739,962.59	32° 7' 20.819 N	103° 33' 29.612 W
9,100.0	34.80	179.58	9,079.0	-102.4	0.8	409,083.15	739,962.95	32° 7' 20.328 N	103° 33' 29.612 W
9,200.0	44.80	179.58	9,155.7	-166.4	1.2	409,019.23	739,963.42	32° 7' 19.696 N	103° 33' 29.612 W
9,300.0	54.80	179.58	9,220.2	-242.6	1.8	408,942.96	739,963.98	32° 7' 18.941 N	103° 33' 29.612 W
9,400.0	64.80	179.58	9,270.5	-329.0	2.4	408,856.65	739,964.62	32° 7' 18.087 N	103° 33' 29.612 W
9,500.0	74.80	179.58	9,304.9	-422.7	3.1	408,762.93	739,965.31	32° 7' 17.159 N	103° 33' 29.612 W
9,600.0	84.80	179.58	9,322.6	-521.0	3.8	408,664.64	739,966.03	32° 7' 16.186 N	103° 33' 29.612 W
9,652.0	90.00	179.58	9,325.0	-572.9	4.2	408,612.67	739,966.41	32° 7' 15.672 N	103° 33' 29.611 W
9,700.0	90.00	179.58	9,325.0	-620.9	4.6	408,564.72	739,966.77	32° 7' 15.198 N	103° 33' 29.611 W
9,800.0	90.00	179.58	9,325.0	-720.9	5.3	408,464.72	739,967.50	32° 7' 14.208 N	103° 33' 29.611 W
9,900.0	90.00	179.58	9,325.0	-820.9	6.0	408,364.73	739,968.24	32° 7' 13.218 N	103° 33' 29.611 W
10,000.0	90.00	179.58	9,325.0	-920.9	6.8	408,264.73	739,968.97	32° 7' 12.229 N	103° 33' 29.611 W
10,100.0	90.00	179.58	9,325.0	-1,020.9	7.5	408,164.74	739,969.71	32° 7' 11.239 N	103° 33' 29.611 W
10,200.0	90.00	179.58	9,325.0	-1,120.9	8.2	408,064.74	739,970.44	32° 7' 10.250 N	103° 33' 29.610 W
10,300.0	90.00	179.58	9,325.0	-1,220.9	9.0	407,964.75	739,971.18	32° 7' 9.260 N	103° 33' 29.610 W
10,400.0	90.00	179.58	9,325.0	-1,320.9	9.7	407,864.75	739,971.92	32° 7' 8.271 N	103° 33' 29.610 W
10,500.0	90.00	179.58	9,325.0	-1,420.9	10.5	407,764.76	739,972.65	32° 7' 7.281 N	103° 33' 29.610 W
10,600.0	90.00	179.58	9,325.0	-1,520.9	11.2	407,664.76	739,973.39	32° 7' 6.291 N	103° 33' 29.610 W
10,700.0	90.00	179.58	9,325.0	-1,620.9	11.9	407,564.77	739,974.12	32° 7' 5.302 N	103° 33' 29.609 W

BTA
Planning Report - Geographic

Database: EDM 5000.1 Single User Db
Company: BTA Oil Producers, LLC
Project: Lea County, NM
Site: Rojo
Well: Rojo D #3H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Rojo D #3H
TVD Reference: KB @ 3390.0usft (Nomac 94)
MD Reference: KB @ 3390.0usft (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	
10,800.0	90.00	179.58	9,325.0	-1,720.9	12.7	407,464.77	739,974.86	32° 7' 4.312 N	103° 33' 29.609 W	
10,900.0	90.00	179.58	9,325.0	-1,820.9	13.4	407,364.78	739,975.59	32° 7' 3.323 N	103° 33' 29.609 W	
11,000.0	90.00	179.58	9,325.0	-1,920.9	14.1	407,264.78	739,976.33	32° 7' 2.333 N	103° 33' 29.609 W	
11,100.0	90.00	179.58	9,325.0	-2,020.9	14.9	407,164.79	739,977.07	32° 7' 1.344 N	103° 33' 29.609 W	
11,200.0	90.00	179.58	9,325.0	-2,120.9	15.6	407,064.79	739,977.80	32° 7' 0.354 N	103° 33' 29.609 W	
11,300.0	90.00	179.58	9,325.0	-2,220.9	16.3	406,964.80	739,978.54	32° 6' 59.365 N	103° 33' 29.608 W	
11,400.0	90.00	179.58	9,325.0	-2,320.9	17.1	406,864.80	739,979.27	32° 6' 58.375 N	103° 33' 29.608 W	
11,500.0	90.00	179.58	9,325.0	-2,420.9	17.8	406,764.81	739,980.01	32° 6' 57.385 N	103° 33' 29.608 W	
11,600.0	90.00	179.58	9,325.0	-2,520.8	18.5	406,664.81	739,980.75	32° 6' 56.396 N	103° 33' 29.608 W	
11,700.0	90.00	179.58	9,325.0	-2,620.8	19.3	406,564.82	739,981.48	32° 6' 55.406 N	103° 33' 29.608 W	
11,800.0	90.00	179.58	9,325.0	-2,720.8	20.0	406,464.83	739,982.22	32° 6' 54.417 N	103° 33' 29.607 W	
11,900.0	90.00	179.58	9,325.0	-2,820.8	20.8	406,364.83	739,982.95	32° 6' 53.427 N	103° 33' 29.607 W	
12,000.0	90.00	179.58	9,325.0	-2,920.8	21.5	406,264.84	739,983.69	32° 6' 52.438 N	103° 33' 29.607 W	
12,100.0	90.00	179.58	9,325.0	-3,020.8	22.2	406,164.84	739,984.42	32° 6' 51.448 N	103° 33' 29.607 W	
12,200.0	90.00	179.58	9,325.0	-3,120.8	23.0	406,064.85	739,985.16	32° 6' 50.458 N	103° 33' 29.607 W	
12,300.0	90.00	179.58	9,325.0	-3,220.8	23.7	405,964.85	739,985.90	32° 6' 49.469 N	103° 33' 29.606 W	
12,400.0	90.00	179.58	9,325.0	-3,320.8	24.4	405,864.86	739,986.63	32° 6' 48.479 N	103° 33' 29.606 W	
12,500.0	90.00	179.58	9,325.0	-3,420.8	25.2	405,764.86	739,987.37	32° 6' 47.490 N	103° 33' 29.606 W	
12,600.0	90.00	179.58	9,325.0	-3,520.8	25.9	405,664.87	739,988.10	32° 6' 46.500 N	103° 33' 29.606 W	
12,700.0	90.00	179.58	9,325.0	-3,620.8	26.6	405,564.87	739,988.84	32° 6' 45.511 N	103° 33' 29.606 W	
12,800.0	90.00	179.58	9,325.0	-3,720.8	27.4	405,464.88	739,989.57	32° 6' 44.521 N	103° 33' 29.605 W	
12,900.0	90.00	179.58	9,325.0	-3,820.8	28.1	405,364.88	739,990.31	32° 6' 43.531 N	103° 33' 29.605 W	
13,000.0	90.00	179.58	9,325.0	-3,920.8	28.9	405,264.89	739,991.05	32° 6' 42.542 N	103° 33' 29.605 W	
13,100.0	90.00	179.58	9,325.0	-4,020.8	29.6	405,164.89	739,991.78	32° 6' 41.552 N	103° 33' 29.605 W	
13,200.0	90.00	179.58	9,325.0	-4,120.8	30.3	405,064.90	739,992.52	32° 6' 40.563 N	103° 33' 29.605 W	
13,300.0	90.00	179.58	9,325.0	-4,220.8	31.1	404,964.90	739,993.25	32° 6' 39.573 N	103° 33' 29.604 W	
13,400.0	90.00	179.58	9,325.0	-4,320.8	31.8	404,864.91	739,993.99	32° 6' 38.584 N	103° 33' 29.604 W	
13,500.0	90.00	179.58	9,325.0	-4,420.8	32.5	404,764.91	739,994.72	32° 6' 37.594 N	103° 33' 29.604 W	
13,600.0	90.00	179.58	9,325.0	-4,520.8	33.3	404,664.92	739,995.46	32° 6' 36.605 N	103° 33' 29.604 W	
13,700.0	90.00	179.58	9,325.0	-4,620.8	34.0	404,564.92	739,996.20	32° 6' 35.615 N	103° 33' 29.604 W	
13,800.0	90.00	179.58	9,325.0	-4,720.8	34.7	404,464.93	739,996.93	32° 6' 34.625 N	103° 33' 29.603 W	
13,900.0	90.00	179.58	9,325.0	-4,820.8	35.5	404,364.93	739,997.67	32° 6' 33.636 N	103° 33' 29.603 W	
14,000.0	90.00	179.58	9,325.0	-4,920.8	36.2	404,264.94	739,998.40	32° 6' 32.646 N	103° 33' 29.603 W	
14,100.0	90.00	179.58	9,325.0	-5,020.8	36.9	404,164.94	739,999.14	32° 6' 31.657 N	103° 33' 29.603 W	
14,200.0	90.00	179.58	9,325.0	-5,120.8	37.7	404,064.95	739,999.88	32° 6' 30.667 N	103° 33' 29.603 W	
14,300.0	90.00	179.58	9,325.0	-5,220.8	38.4	403,964.96	740,000.61	32° 6' 29.678 N	103° 33' 29.603 W	
14,400.0	90.00	179.58	9,325.0	-5,320.8	39.2	403,864.96	740,001.35	32° 6' 28.688 N	103° 33' 29.602 W	
14,500.0	90.00	179.58	9,325.0	-5,420.8	39.9	403,764.97	740,002.08	32° 6' 27.698 N	103° 33' 29.602 W	
14,600.0	90.00	179.58	9,325.0	-5,520.8	40.6	403,664.97	740,002.82	32° 6' 26.709 N	103° 33' 29.602 W	
14,700.0	90.00	179.58	9,325.0	-5,620.8	41.4	403,564.98	740,003.55	32° 6' 25.719 N	103° 33' 29.602 W	
14,800.0	90.00	179.58	9,325.0	-5,720.8	42.1	403,464.98	740,004.29	32° 6' 24.730 N	103° 33' 29.602 W	
14,900.0	90.00	179.58	9,325.0	-5,820.8	42.8	403,364.99	740,005.03	32° 6' 23.740 N	103° 33' 29.601 W	
15,000.0	90.00	179.58	9,325.0	-5,920.8	43.6	403,264.99	740,005.76	32° 6' 22.751 N	103° 33' 29.601 W	
15,100.0	90.00	179.58	9,325.0	-6,020.8	44.3	403,165.00	740,006.50	32° 6' 21.761 N	103° 33' 29.601 W	
15,200.0	90.00	179.58	9,325.0	-6,120.7	45.0	403,065.00	740,007.23	32° 6' 20.771 N	103° 33' 29.601 W	
15,300.0	90.00	179.58	9,325.0	-6,220.7	45.8	402,965.01	740,007.97	32° 6' 19.782 N	103° 33' 29.601 W	
15,400.0	90.00	179.58	9,325.0	-6,320.7	46.5	402,865.01	740,008.70	32° 6' 18.792 N	103° 33' 29.600 W	
15,500.0	90.00	179.58	9,325.0	-6,420.7	47.2	402,765.02	740,009.44	32° 6' 17.803 N	103° 33' 29.600 W	
15,600.0	90.00	179.58	9,325.0	-6,520.7	48.0	402,665.02	740,010.18	32° 6' 16.813 N	103° 33' 29.600 W	
15,700.0	90.00	179.58	9,325.0	-6,620.7	48.7	402,565.03	740,010.91	32° 6' 15.824 N	103° 33' 29.600 W	
15,800.0	90.00	179.58	9,325.0	-6,720.7	49.5	402,465.03	740,011.65	32° 6' 14.834 N	103° 33' 29.600 W	
15,900.0	90.00	179.58	9,325.0	-6,820.7	50.2	402,365.04	740,012.38	32° 6' 13.844 N	103° 33' 29.599 W	
16,000.0	90.00	179.58	9,325.0	-6,920.7	50.9	402,265.04	740,013.12	32° 6' 12.855 N	103° 33' 29.599 W	
16,100.0	90.00	179.58	9,325.0	-7,020.7	51.7	402,165.05	740,013.86	32° 6' 11.865 N	103° 33' 29.599 W	
16,200.0	90.00	179.58	9,325.0	-7,120.7	52.4	402,065.05	740,014.59	32° 6' 10.876 N	103° 33' 29.599 W	

BTA
Planning Report - Geographic

Database: EDM 5000.1 Single User Db
Company: BTA Oil Producers, LLC
Project: Lea County, NM
Site: Rojo
Well: Rojo D #3H
Wellbore: Wellbore #1
Design: Design #1

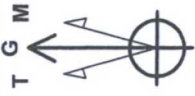
Local Co-ordinate Reference: Well Rojo D #3H
TVD Reference: KB @ 3390.0usft (Nomac 94)
MD Reference: KB @ 3390.0usft (Nomac 94)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,300.0	90.00	179.58	9,325.0	-7,220.7	53.1	401,965.06	740,015.33	32° 6' 9.886 N	103° 33' 29.599 W
16,400.0	90.00	179.58	9,325.0	-7,320.7	53.9	401,865.06	740,016.06	32° 6' 8.897 N	103° 33' 29.598 W
16,500.0	90.00	179.58	9,325.0	-7,420.7	54.6	401,765.07	740,016.80	32° 6' 7.907 N	103° 33' 29.598 W
16,600.0	90.00	179.58	9,325.0	-7,520.7	55.3	401,665.07	740,017.53	32° 6' 6.918 N	103° 33' 29.598 W
16,700.0	90.00	179.58	9,325.0	-7,620.7	56.1	401,565.08	740,018.27	32° 6' 5.928 N	103° 33' 29.598 W
16,800.0	90.00	179.58	9,325.0	-7,720.7	56.8	401,465.09	740,019.01	32° 6' 4.938 N	103° 33' 29.598 W
16,900.0	90.00	179.58	9,325.0	-7,820.7	57.5	401,365.09	740,019.74	32° 6' 3.949 N	103° 33' 29.597 W
17,000.0	90.00	179.58	9,325.0	-7,920.7	58.3	401,265.10	740,020.48	32° 6' 2.959 N	103° 33' 29.597 W
17,100.0	90.00	179.58	9,325.0	-8,020.7	59.0	401,165.10	740,021.21	32° 6' 1.970 N	103° 33' 29.597 W
17,200.0	90.00	179.58	9,325.0	-8,120.7	59.8	401,065.11	740,021.95	32° 6' 0.980 N	103° 33' 29.597 W
17,300.0	90.00	179.58	9,325.0	-8,220.7	60.5	400,965.11	740,022.68	32° 5' 59.991 N	103° 33' 29.597 W
17,400.0	90.00	179.58	9,325.0	-8,320.7	61.2	400,865.12	740,023.42	32° 5' 59.001 N	103° 33' 29.596 W
17,500.0	90.00	179.58	9,325.0	-8,420.7	62.0	400,765.12	740,024.16	32° 5' 58.011 N	103° 33' 29.596 W
17,600.0	90.00	179.58	9,325.0	-8,520.7	62.7	400,665.13	740,024.89	32° 5' 57.022 N	103° 33' 29.596 W
17,700.0	90.00	179.58	9,325.0	-8,620.7	63.4	400,565.13	740,025.63	32° 5' 56.032 N	103° 33' 29.596 W
17,800.0	90.00	179.58	9,325.0	-8,720.7	64.2	400,465.14	740,026.36	32° 5' 55.043 N	103° 33' 29.596 W
17,900.0	90.00	179.58	9,325.0	-8,820.7	64.9	400,365.14	740,027.10	32° 5' 54.053 N	103° 33' 29.595 W
18,000.0	90.00	179.58	9,325.0	-8,920.7	65.6	400,265.15	740,027.84	32° 5' 53.064 N	103° 33' 29.595 W
18,100.0	90.00	179.58	9,325.0	-9,020.7	66.4	400,165.15	740,028.57	32° 5' 52.074 N	103° 33' 29.595 W
18,200.0	90.00	179.58	9,325.0	-9,120.7	67.1	400,065.16	740,029.31	32° 5' 51.084 N	103° 33' 29.595 W
18,300.0	90.00	179.58	9,325.0	-9,220.7	67.8	399,965.16	740,030.04	32° 5' 50.095 N	103° 33' 29.595 W
18,400.0	90.00	179.58	9,325.0	-9,320.7	68.6	399,865.17	740,030.78	32° 5' 49.105 N	103° 33' 29.594 W
18,500.0	90.00	179.58	9,325.0	-9,420.7	69.3	399,765.17	740,031.51	32° 5' 48.116 N	103° 33' 29.594 W
18,600.0	90.00	179.58	9,325.0	-9,520.7	70.1	399,665.18	740,032.25	32° 5' 47.126 N	103° 33' 29.594 W
18,700.0	90.00	179.58	9,325.0	-9,620.7	70.8	399,565.18	740,032.99	32° 5' 46.137 N	103° 33' 29.594 W
18,800.0	90.00	179.58	9,325.0	-9,720.7	71.5	399,465.19	740,033.72	32° 5' 45.147 N	103° 33' 29.594 W
18,900.0	90.00	179.58	9,325.0	-9,820.6	72.3	399,365.19	740,034.46	32° 5' 44.157 N	103° 33' 29.593 W
19,000.0	90.00	179.58	9,325.0	-9,920.6	73.0	399,265.20	740,035.19	32° 5' 43.168 N	103° 33' 29.593 W
19,100.0	90.00	179.58	9,325.0	-10,020.6	73.7	399,165.20	740,035.93	32° 5' 42.178 N	103° 33' 29.593 W
19,200.0	90.00	179.58	9,325.0	-10,120.6	74.5	399,065.21	740,036.66	32° 5' 41.189 N	103° 33' 29.593 W
19,300.0	90.00	179.58	9,325.0	-10,220.6	75.2	398,965.22	740,037.40	32° 5' 40.199 N	103° 33' 29.593 W
19,381.0	90.00	179.58	9,325.0	-10,301.7	75.8	398,884.20	740,038.00	32° 5' 39.397 N	103° 33' 29.593 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									
Rojo D #3H BHL	0.00	0.01	9,325.0	-10,301.7	75.8	398,884.20	740,038.00	32° 5' 39.397 N	103° 33' 29.593 W
- plan hits target center									
- Point									



T G M
 Azimuths to Grid North
 True North: -0.41°
 Magnetic North: 7.32°

Magnetic Field
 Strength: 48733.8nT
 Dip Angle: 60.15°
 Date: 12/31/2009
 Model: IGRF200510

WELL DETAILS: Rojo D #3H

+N/-S	+E/-W	Ground Level:	Longitude
0.0	0.0	Easting	103° 33' 29.613 W
		739962.20	32° 7' 21.342 N

SITE DETAILS: Rojo

Site Centre Northing: 399019.90
 Easting: 741892.00

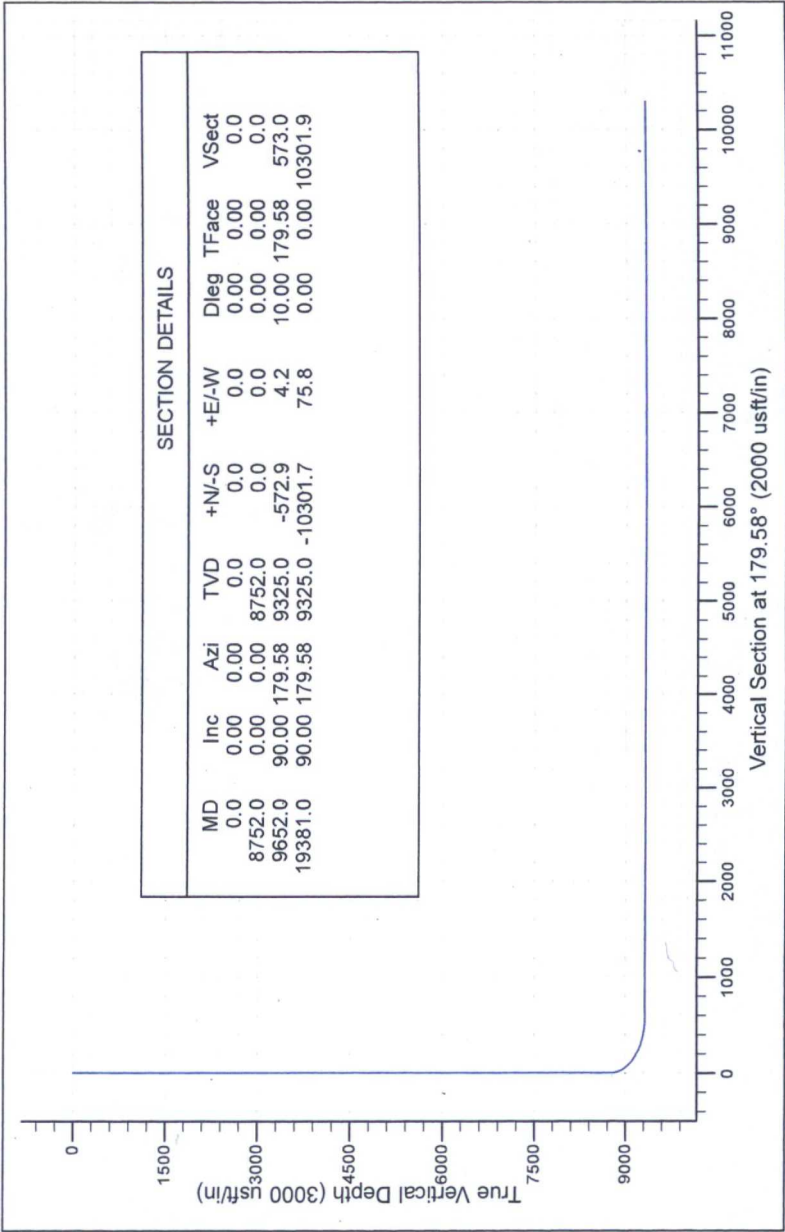
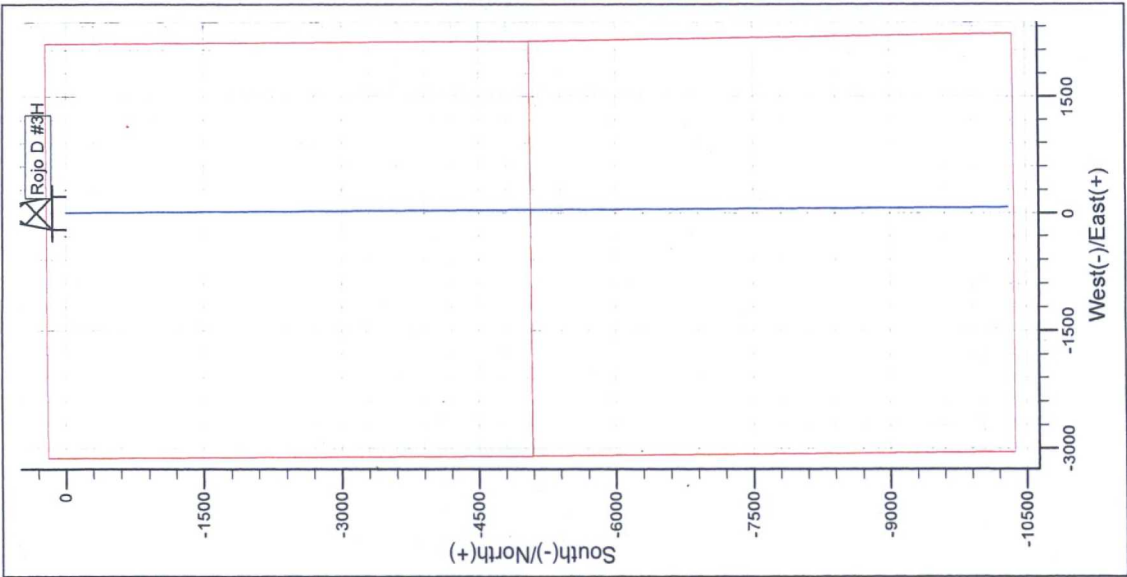
Positional Uncertainty: 0.0
 Convergence: 0.42
 Local North: Grid

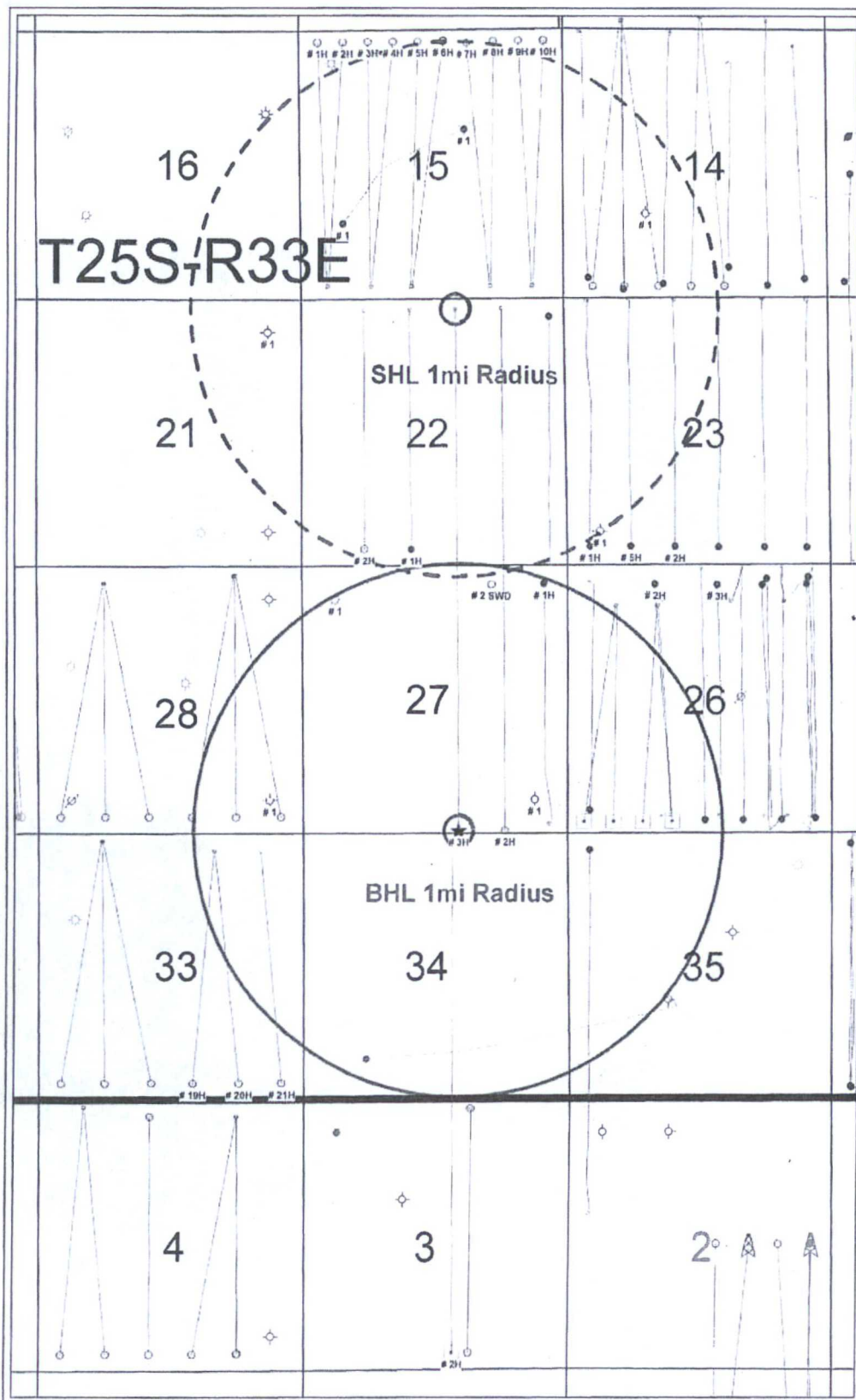
BTA Oil Producers, LLC

PROJECT DETAILS: Lea County, NM

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

System Datum: Ground Level





BTA Oil Producers, LLC	
Rojo D 7811 JV-P Com #3H-1mi Radius Map	
SHL: 210° FNL & 2178° FEL Sec. 22, T25S-R33E BHL: 50° FSL & 2178° FEL Sec. 27, T25S-R33E	
Lea County, New Mexico	
WELL SYMBOLS ★ Proposed Location ○ Location Only Drilling Well Drilled, Waiting on Completion Oil Well Gas Well Dry Hole Injection Well Plugged & Abandoned Oil Well Plugged & Abandoned Gas Well Plugged And Abandoned Oil and Gas Well	
REMARKS Rojo D 7811 JV-P Com #3H Highlighted In Yellow Surface Hole Location 1 Mile Radius In Red Dash Bottom Hole Location 1 Mile Radius In Red Only Surface Locations Inside 1mi Radius Labeled	
By: JHB	
October 20, 2016	

Rojo D 7811 JV-P Com #3H - 1mi Radius Well Data

UWI (APINum)	Operator	Well Name	Well #	Sec	Twp	Rng	Surf Lat	Surf Lon	Bot Lat	Bot Lon	SHL Flg Calls	TD	Status
30025341180000	ENRON OIL & GAS CO	VACA 14 FED	1	14	25S	33E	32.1276596	-103.5458945	0	0	1650'FSL & 1650'FWL	12602	DRY
30025276230000	EOG RESOURCES INC	OCHOA FED	1	15	25S	33E	32.1322743	-103.5576199	0	0	1980'FNL & 1980'FEL	16335	INACTIVE
30025276230100	EOG RESOURCES INC	OCHOA FED	1	15	25S	33E	32.1322743	-103.5576199	32.1271688	-103.5655106	1980'FNL & 1980'FEL	15185	ACTIVE
30025428600000	EOG RESOURCES INC	STREETCAR 15 FEDERAL	1H	15	25S	33E	32.1237849	-103.5665605	32.1370256	-103.5671276	250'FSL & 530'FWL		PERMITTED LOC
30025428610000	EOG RESOURCES INC	STREETCAR 15 FEDERAL	3H	15	25S	33E	32.1237924	-103.5637505	32.1370459	-103.5638682	250'FSL & 1400'FWL		PERMITTED LOC
30025428620000	EOG RESOURCES INC	STREETCAR 15 FEDERAL	4H	15	25S	33E	32.1237927	-103.5636536	32.137056	-103.5622369	250'FSL & 1430'FWL		PERMITTED LOC
30025428630000	EOG RESOURCES INC	STREETCAR 15 FED	6H	15	25S	33E	32.1237997	-103.5610212	32.1370763	-103.5589706	250'FSL & 2245'FWL		PERMITTED LOC
30025428640000	EOG RESOURCES INC	STREETCAR 15 FED	7H	15	25S	33E	32.1238129	-103.5560044	32.1369932	-103.557445	250'FSL & 1480'FEL		PERMITTED LOC
30025428650000	EOG RESOURCES INC	STREETCAR 15 FED	9H	15	25S	33E	32.1238199	-103.5532912	32.1371064	-103.554083	250'FSL & 640'FEL		PERMITTED LOC
30025428660000	EOG RESOURCES INC	STREETCAR 15 FED	10H	15	25S	33E	32.1238202	-103.5531943	32.1371164	-103.5524516	250'FSL & 610'FEL		PERMITTED LOC
30025428670000	EOG RESOURCES INC	STREETCAR 15 FEDERAL	2H	15	25S	33E	32.1237851	-103.5664636	32.1370358	-103.5654963	250'FSL & 560'FWL		PERMITTED LOC
30025428680000	EOG RESOURCES INC	STREETCAR 15 FED	5H	15	25S	33E	32.1237994	-103.5611181	32.1370661	-103.5606089	250'FSL & 2215'FWL		PERMITTED LOC
30025428770000	EOG RESOURCES INC	STREETCAR 15 FED	8H	15	25S	33E	32.1238131	-103.5559075	32.1370964	-103.5557111	250'FSL & 1450'FEL		PERMITTED LOC
30025428790000	EOG RESOURCES INC	FEDERAL-MARSHALL	1	21	25S	33E	32.1212906	-103.5704035	0	0	660'FNL & 660'FEL	5087	DRY
30025083860000	BUCKLES GEO L CO	ROJO B 7811 JV-P	1H	22	25S	33E	32.1225347	-103.5612346	32.1095179	-103.5611917	210'FNL & 2178'FWL	13819	ACTIVE
30025428970100	BTA OIL PRODUCERS, LLC	ROJO B 7811 JV-P	2H	22	25S	33E	32.1225268	-103.564219	32.1095539	-103.5642465	210'FNL & 1254'FWL		PERMITTED LOC
30025428980000	BTA OIL PRODUCERS, LLC	ROJO D 7811 JV-P COM	3H	22	25S	33E	32.1225426	-103.5582533	32.0942362	-103.5581949	210'FNL & 2178'FEL		PERMITTED LOC
30025428990000	BTA OIL PRODUCERS, LLC	ROJO D 7811 JV-P COM	2H	22	25S	33E	32.1225503	-103.5552687	32.0942309	-103.5552114	210'FNL & 1254'FEL		PERMITTED LOC
30025429180000	BTA OIL PRODUCERS, LLC	MUSE-FEDERAL	1	23	25S	33E	32.1104685	-103.5489718	0	0	660'FSL & 660'FWL	5159	DRY
30025083870000	HILL & MEEKER	CABALLO 23 FEDERAL	1H	23	25S	33E	32.122997	-103.5498015	32.1096603	-103.5495246	50'FNL & 440'FWL	13985	ACTIVE
30025400500000	EOG RESOURCES INC	CABALLO 23 FEDERAL	2H	23	25S	33E	32.1229823	-103.5441166	32.1096208	-103.5440489	50'FNL & 2200'FWL	14110	ACTIVE
30025402470000	EOG RESOURCES INC	CABALLO 23 FEDERAL	5H	23	25S	33E	32.1230174	-103.5470401	32.1096566	-103.5468892	40'FNL & 1295'FWL	14025	ACTIVE
30025397010100	EOG RESOURCES INC	LOMAS ROJAS 26 STATE COM	2H	26	25S	33E	32.0949826	-103.5451848	32.1075976	-103.5455673	330'FSL & 1850'FWL	13792	ACTIVE
30025397020000	EOG RESOURCES INC	LOMAS ROJAS 26 STATE COM	3H	26	25S	33E	32.0949757	-103.541404	32.1075503	-103.5415455	330'FSL & 2262'FEL	13742	ACTIVE
30025227860000	DEAN ROBERT A	DICKSON HARRY	1	27	25S	33E	32.0959041	-103.5532846	0	0	660'FSL & 660'FEL	5150	DRY
30025261880000	BTA OIL PRODUCERS, LLC	7811 JV-P ROJO	1	27	25S	33E	32.106831	-103.5661591	0	0	660'FNL & 660'FWL	17535	ACTIVE
30025424580100	BTA OIL PRODUCERS, LLC	ROJO C 7811 JV-P	1H	27	25S	33E	32.0946106	-103.5523873	32.1076519	-103.5526219	190'FSL & 380'FEL	13858	ACTIVE
30025427040000	BTA OIL PRODUCERS, LLC	ROJO SWD 7811 JV-P	2 SWD	27	25S	33E	32.1076233	-103.5560164	0	0	375'FNL & 1525'FEL		PERMITTED LOC
30025083910000	TIDEWATER OIL CO	ANNIE R BASS-FED	1	28	25S	33E	32.0959381	-103.5703759	0	0	660'FSL & 660'FEL	5081	DRY
30025423260000	CIMAREX ENERGY OF CO	RED HILLS UNIT	19H	33	25S	33E	32.0932297	-103.5739359	32.080556	-103.5753395	330'FNL & 1765'FEL		ACTIVE
30025423270100	CIMAREX ENERGY OF CO	RED HILLS UNIT	21H	33	25S	33E	32.0932189	-103.5709815	32.0805457	-103.5696575	330'FNL & 850'FEL		ACTIVE
30025425720000	CIMAREX ENERGY OF CO	RED HILLS UNIT	20H	33	25S	33E	32.0932294	-103.5738713	32.0805458	-103.572392	330'FNL & 1745'FEL		ACTIVE
30025428220000	COG OPERATING LLC	COLUMBUS FEE	2H	34	25S	33E	32.0935222	-103.5586161	32.0660422	-103.5586388	210'FNL & 2310'FEL	19224	ACTIVE

Asset 24455

CERT. NO. 1592

P.O. N°: 4500461753

HOSE TYPE:	3" ID	Choke & Kill Hose
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NOMINAL / ACTUAL LENGTH: 7,62 m / 7,66 m

Pressure test with water at ambient temperature

See attachment. (1 page)

→ 10 Min.
↑ 50 MPa

Not Designed For Well Testing
Fire Rated

API Spec 16 C

Temperature rate:"B"

All metal parts are flawless

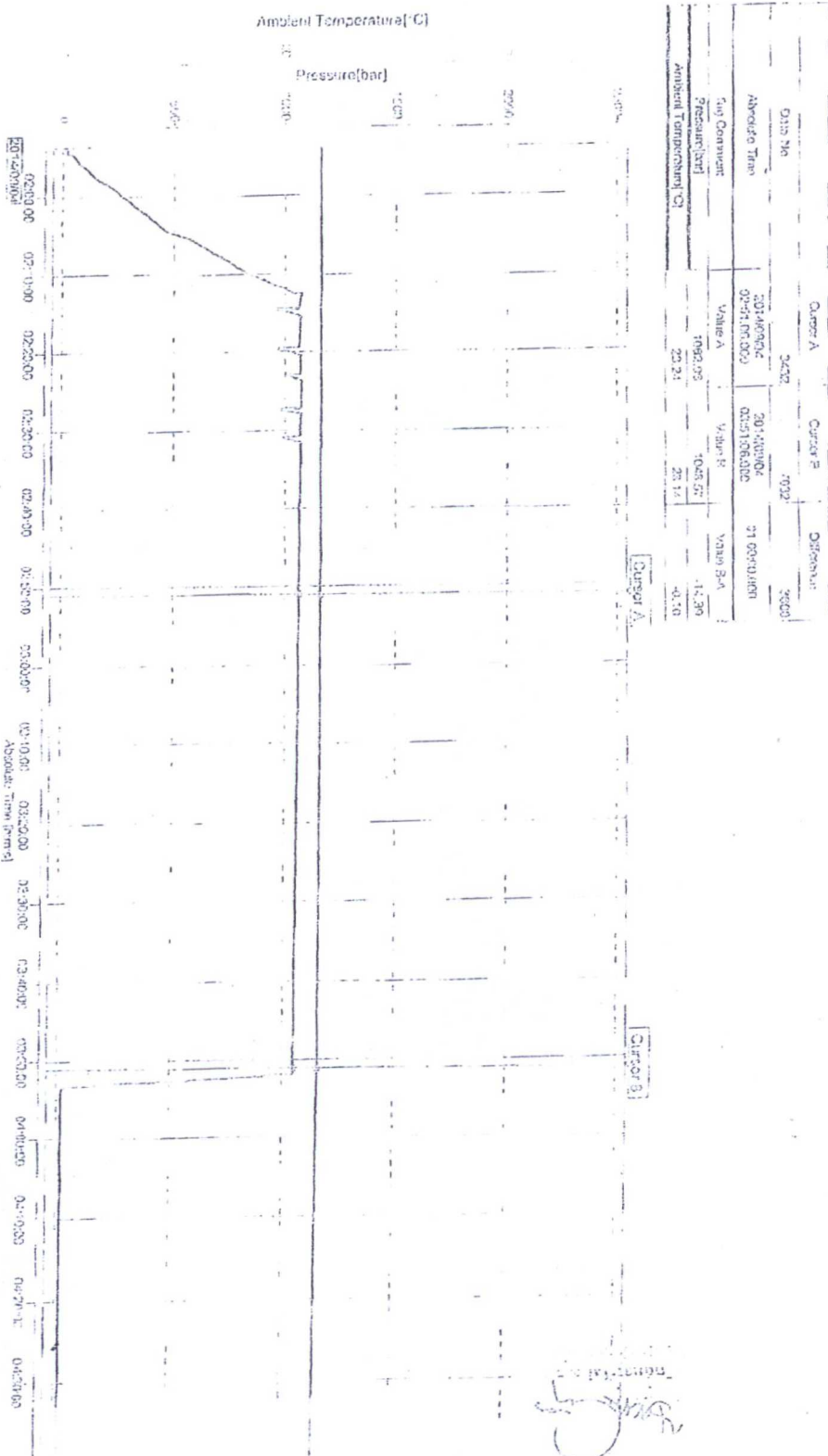
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER
INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.

STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated, inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.

Quality Control

04 September 2014.

10mm/s

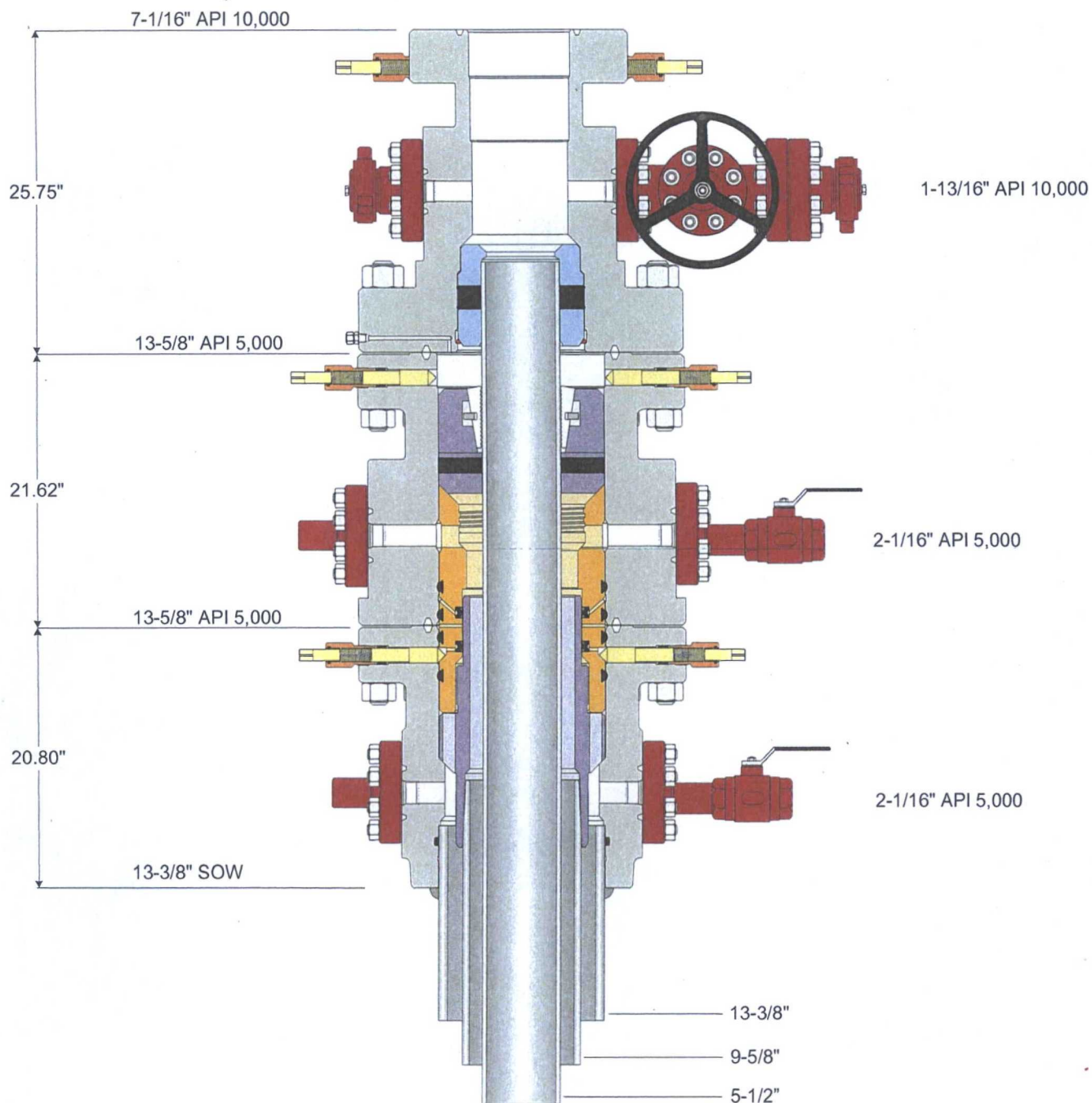


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 Serial No.: 88543, 88545, 88547
 Data Count: 88543, 88545, 88547
 Part Group: 88543, 88545, 88547
 Part Range: 88543, 88545, 88547
 Comment: 88543, 88545, 88547

Sampling In: 1.000 sec
 Start Time: 2014/09/04 01:53:54.000
 Stop Time: 2014/09/04 04:00:00.000

Curve A	Curve B	Difference
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2014/09/04 02:05:00	2014/09/04 02:05:00	21.000000
2014/09/04 02:10:00	2014/09/04 02:10:00	21.000000
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NOTE: THIS DRAWING IS NOT TO SCALE. THE DIMENSIONS REFLECTED ON THIS DRAWING ARE ESTIMATED DIMENSIONS AND ARE FOR REFERENCE ONLY.



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Customer: BTA OIL PRODUCERS

Project No.: 146245

Quote No.: 291545 v2

Project Name: WEST TEXAS

Date: 07/06/16

Drawn By: JL