

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCDA Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.*

5. Lease Serial No.  
NMNM02952B

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
891000558X

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.  
JAMES RANCH UNIT 139H

2. Name of Operator  
BOPCO LP

Contact: WHITNEY MCKEE  
E-Mail: wbmckee@basspet.com

9. API Well No.  
30-015-39793-00-X1

3a. Address

MIDLAND, TX 79702

3b. Phone No. (include area code)  
Ph: 432-221-7353

10. Field and Pool, or Exploratory  
QUAHADA RIDGE SE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 25 T22S R30E NESW 2365FSL 2050FWL

11. County or Parish, and State

EDDY COUNTY, NM

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

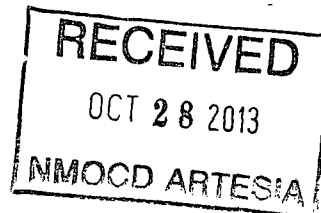
| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |                                           |                                                    |                                           |
|------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------|-------------------------------------------|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | Change to Original A                      |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> 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 recomple 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.)

BOPCO, L.P. requests to extend the lateral and alter the bottom hole location of the James Ranch Unit D12 #139H to 660' FSL and 2,310' FEL of Section 28-T22S-R30E. This move is being requested to better optimize the development of the JRU Field. The 4-1/2" Open Hole Completion System will be extended to a depth of 22,268' to match the extended lateral. Cement will not be needed for this system. The updated directional plan and updated plats are attached.

Accepted for record  
NMOCD

TES 10/28/2013



14. I hereby certify that the foregoing is true and correct.

Electronic Submission #223289 verified by the BLM Well Information System

For BOPCO LP, sent to the Carlsbad

Committed to AFMSS for processing by JERRY BLAKLEY on 10/22/2013 (14JDB0243SE)

Name (Printed/Typed) CHRISTOPHER GIESE

Title DRILLING ENGINEER

Signature (Electronic Submission)

Date 10/17/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By CHRISTOPHER WALLS

Title PETROLEUM ENGINEER

Date 10/22/2013

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.

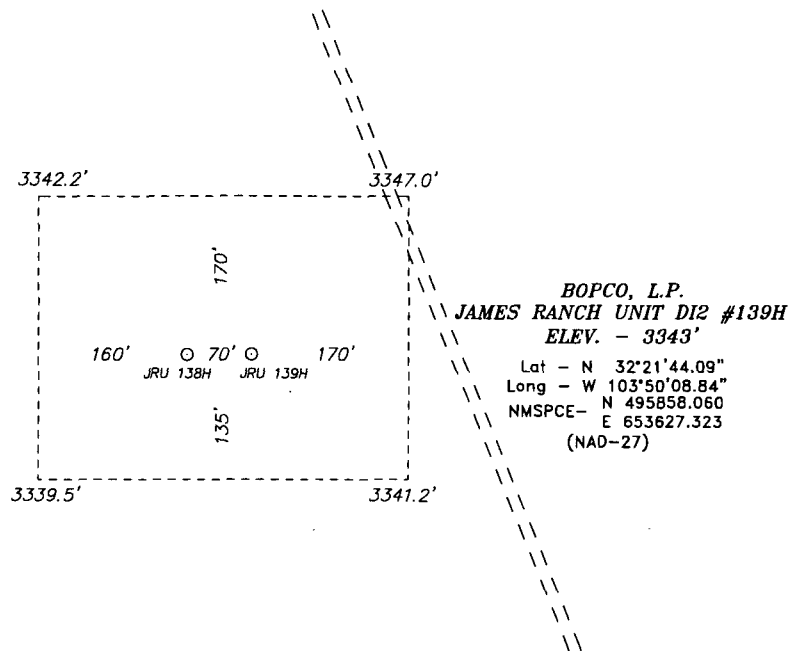
Office Carlsbad

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 \*\***

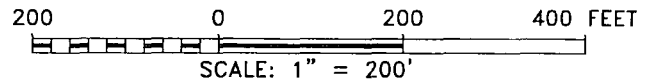
SCALE 1"=4000'

SECTION 25, TOWNSHIP 22 SOUTH, RANGE 30 EAST, N.M.P.M.,  
EDDY COUNTY, WELL PAD LAYOUT NEW MEXICO.



Directions to Location:

FROM THE WIPP SITE, GO NORTH 1.0 MILES TO LEASE ROAD, ON LEASE ROAD GO SOUTHWESTERLY FOR 1.8 MILES TO LEASE ROAD, ON LEASE ROAD GO SOUTH 0.9 MILES TO LEASE ROAD, ON LEASE ROAD GO SOUTHWESTERLY FOR 0.3 MILES TO LEASE ROAD, ON LEASE ROAD GO NORTH 0.1 MILES TO PROPOSED WELL PAD.



**BASIN SURVEYS** P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 25272 Drawn By: J. SMALL

Date: 09-07-2011 Disk: JMS 25272

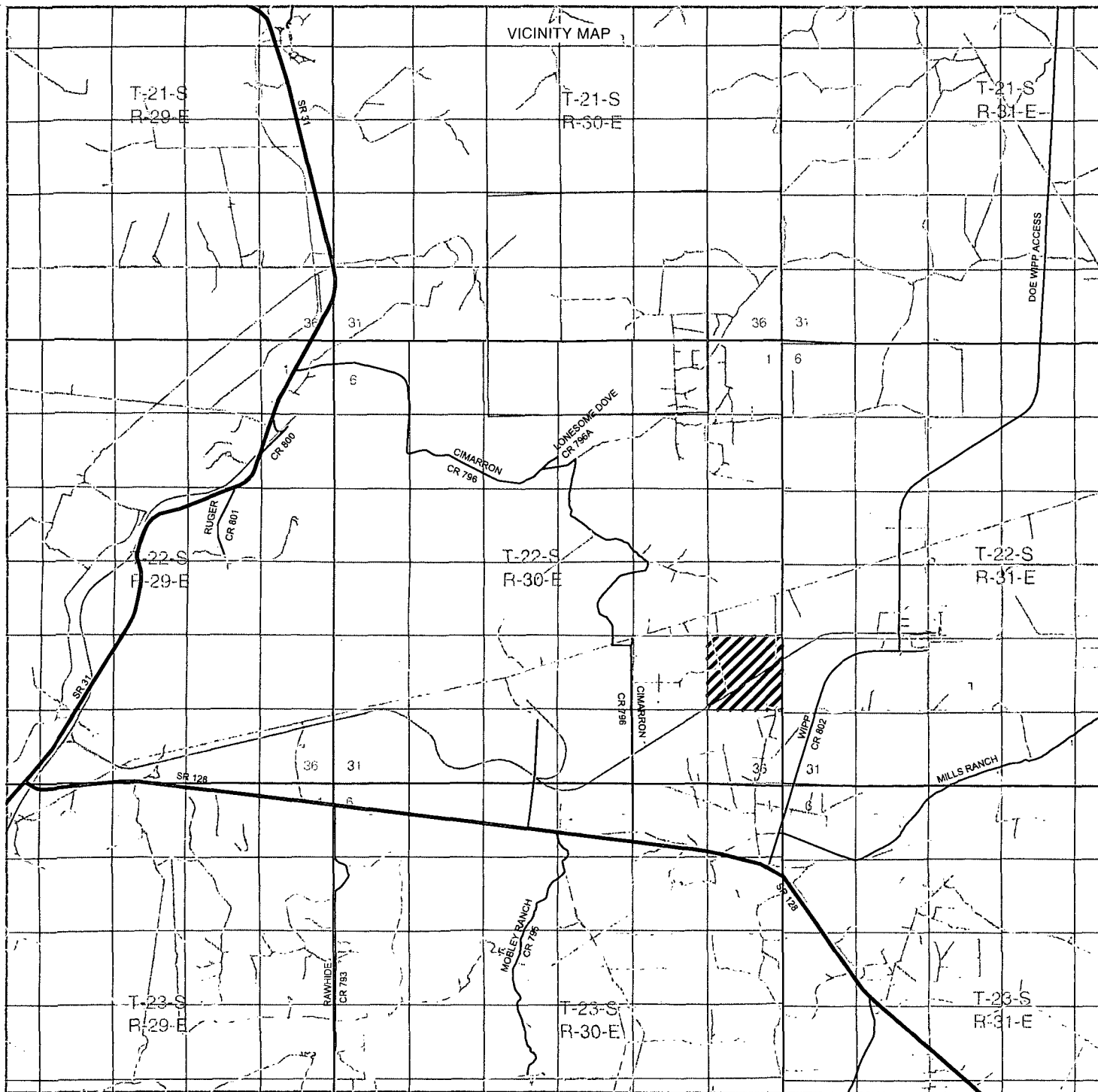
REF: JAMES RANCH UNIT D12 #139H / WELL PAD TOPO

**BOPCO, L.P.**

THE JAMES RANCH UNIT D12 #139H LOCATED 2365'  
FROM THE SOUTH LINE AND 2050' FROM THE WEST LINE OF  
SECTION 25, TOWNSHIP 22 SOUTH, RANGE 30 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 09-06-2011 Sheet 1 of 6 Sheets

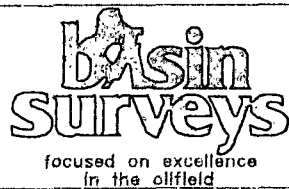




# **JAMES RANCH UNIT DI2 #139H**

Located 2365' FSL and 2050' FWL

Section 25, Township 22 South, Range 30 East,  
N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786  
1120 N. West County Rd.  
Hobbs, New Mexico 88241  
(575) 393-7316 - Office  
(575) 392-2206 - Fax  
basinsurveys.com

W.O. Number: JMS 25272

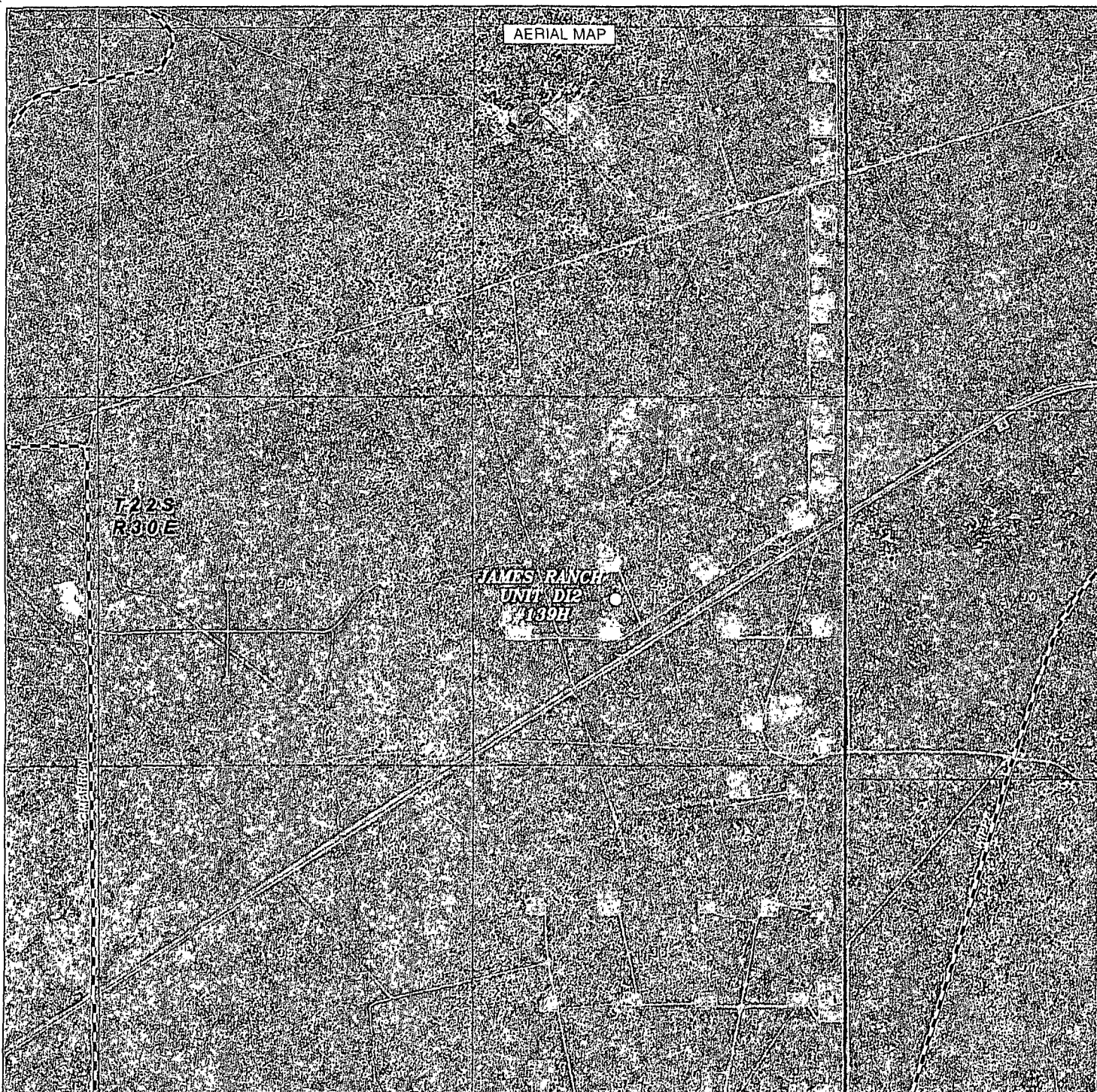
Survey Date: 09-06-2011

Scale: 1" = 2 Miles

Date: 09-07-2011

**BOPCO, L.P.**

Sheet 3 of 6 Sheets



# JAMES RANCH UNIT DI2 #139H

Located 2365' FSL and 2050' FWL

Section 25, Township 22 South, Range 30 East,  
N.M.P.M., Eddy County, New Mexico.

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Hobbs, New Mexico 88241  
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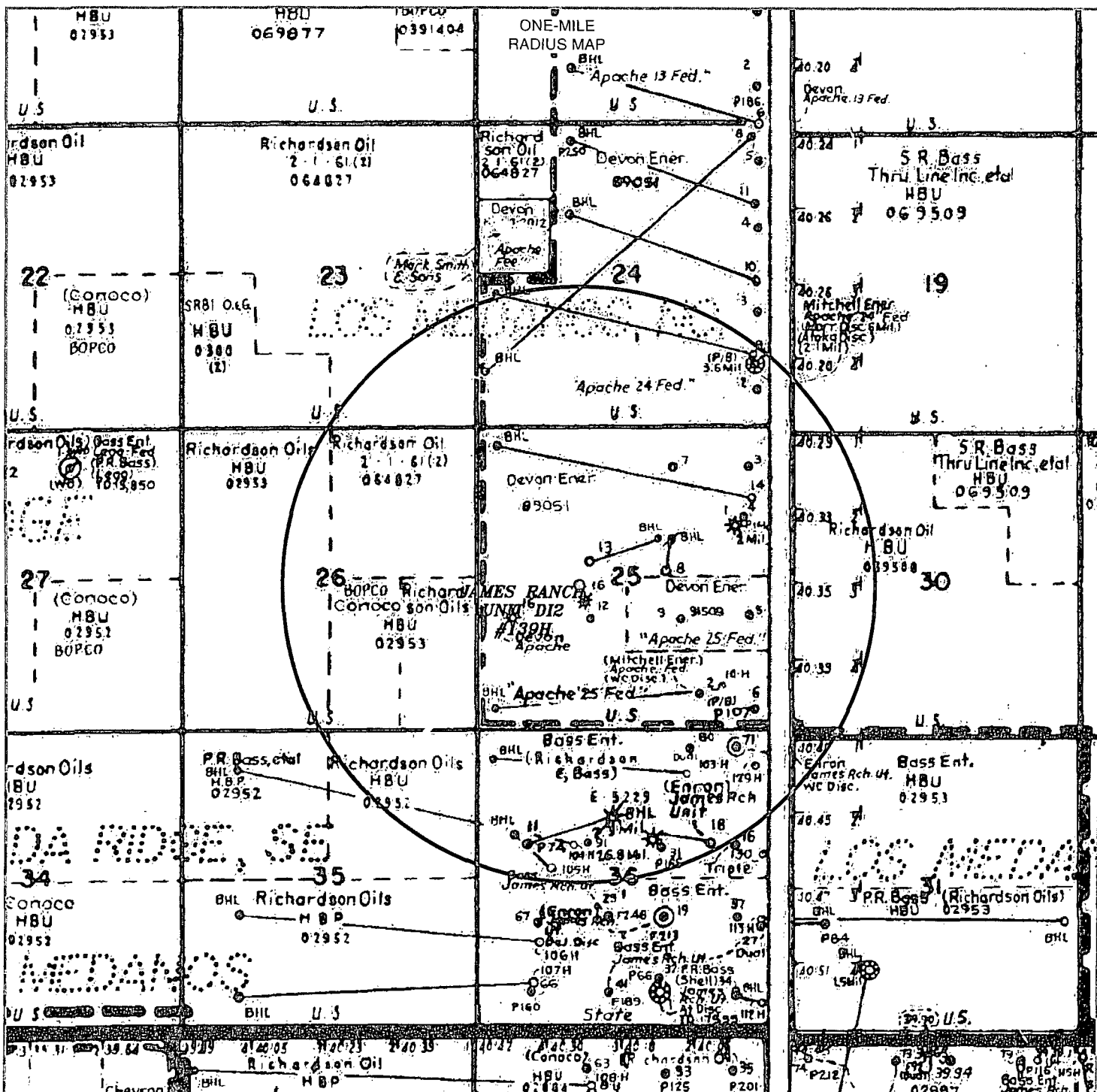
W.O. Number: JMS 25272

Scale: 1" = 2000'

YELLOW TINT - USA LAND  
BLUE TINT - STATE LAND  
NATURAL COLOR - FEE LAND

*BOPCO, L.P.*

Sheet 4 of 6 Sheets



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 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (575) 393-7316 - Office  
 (575) 392-2206 - Fax  
 basin-surveys.com

W.O. Number: JMS 25989

Scale: None

YELLOW TINT - USA LAND  
 BLUE TINT - STATE LAND  
 NATURAL COLOR - FEE LAND

**BOPCO, L.P.**

Sheet 5 of 6 Sheets



RIG LAYOUT SCHEMATIC  
INCLUSIVE OF CLOSED-LOOP DESIGN PLAN

- 1) Roll Off Bin
- 2) Steel Tank
- 3) Mud Cleaner
- 4) Shaker
- 5) Centrifuge
- 6) Dewatering Unit
- 7) Catch Tank
- 8) Choke Manifold
- A) Bleed line from choke manifold

A) Bleed line from choke manifold 100' away from location outside H2S

Water, and Mud Storage

EDGE OF LOCATION W/ BERM

SOLIDS CONTROL MUD LOGGER

6 7

1 1

2 2 4

5 3

8

MUD 2

MUD PUMPS

FLOW LINE

135'

170'

PIPE RACKS

SUBSTRUCTURE

DOG HOUSE

165'

170'

100'

50'

LIGHT PLANT

BOTTOM DOG

WATER TANK

WATER TANK

FUEL TANK

PARTS HOUSE

TRAILER HOUSES

N

**JAMES RANCH UNIT D12 #139H**  
 Located 2365' FSL and 2050' FWL  
 Section 25, Township 22 South, Range 30 East,  
 N.M.P.M., Eddy County, New Mexico.

**JAMES RANCH UNIT D12 #139H**  
 Located 2365' FSL and 2050' FWL  
 Section 25, Township 22 South, Range 30 East,  
 N.M.P.M., Eddy County, New Mexico. TRAILER HOUSES

Wtd-ser/Drilling/DrillingDiagrams/McVay#5 Rig.Pad deminsions - Closed Loop Location size with extended frac tank pad. Exhibit D.xlsRes.Pit Exhibit D w-rig



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1120 N. West County Rd.  
Hobbs, New Mexico 88241  
(575) 393-7316 - Office  
(575) 392-2206 - Fax  
basinsurveys.com

W.O. Number: JMS 25989

Survey Date: 03-17-2011

Scale: 1" = 2000'

Date: 03-24--2011

*BOPCO, L.P.*

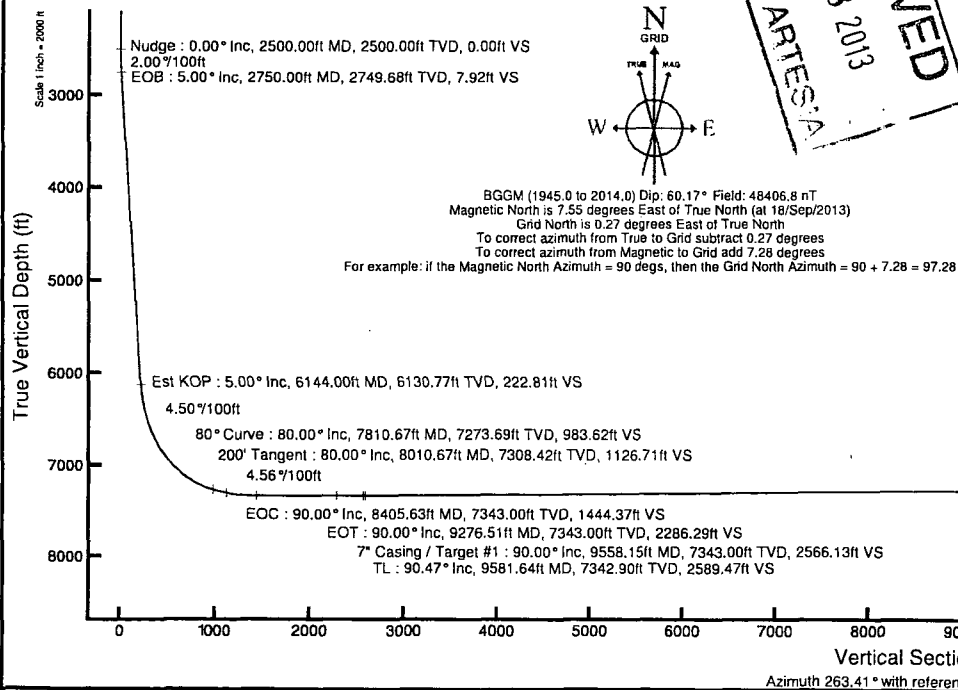
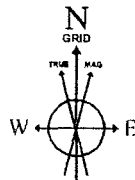
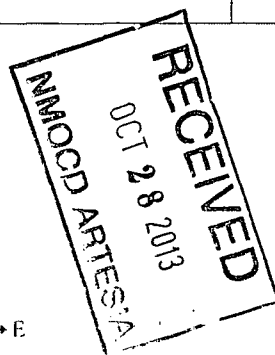
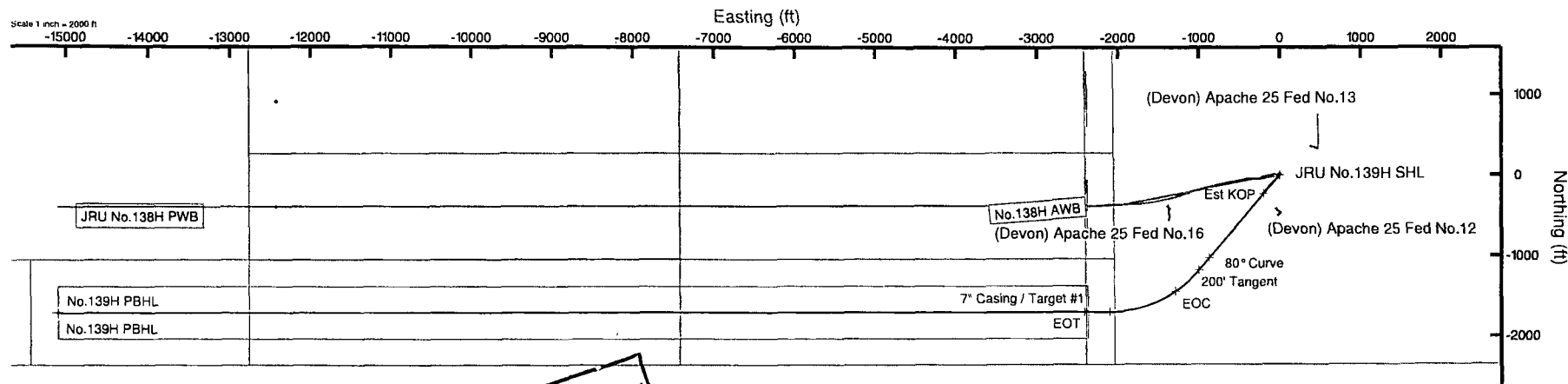
Sheet 6 of 6 Sheets



# BOPCO, L.P.

Location: Eddy County, NM  
Field: JRU NAD27  
Facility: (JRU) No.138 & No.139

Slot: JRU No.139H SHL  
Well: JRU No.139H  
Wellbore: JRU No.139H PWB



| Well Profile Data     |          |         |         |          |              |              |               |          |
|-----------------------|----------|---------|---------|----------|--------------|--------------|---------------|----------|
| Design Comment        | MD (ft)  | Inc (°) | Az (°)  | TVD (ft) | Local N (ft) | Local E (ft) | DLS (°/100ft) | VS (ft)  |
| Tie On                | 30.00    | 0.000   | 220.000 | 30.00    | 0.00         | 0.00         | 0.00          | 0.00     |
| Nudge                 | 2500.00  | 0.000   | 220.000 | 2500.00  | 0.00         | 0.00         | 0.00          | 0.00     |
| EOB                   | 2750.00  | 5.000   | 220.000 | 2749.68  | -8.35        | -7.01        | 2.00          | 7.92     |
| Est KOP               | 6144.00  | 5.000   | 220.000 | 6130.77  | -234.95      | -197.15      | 0.00          | 222.81   |
| 80° Curve             | 7810.67  | 80.000  | 220.000 | 7273.69  | -1037.23     | -870.34      | 4.50          | 983.62   |
| 200' Tangent          | 8010.67  | 80.000  | 220.000 | 7308.42  | -1188.11     | -996.94      | 0.00          | 1126.71  |
| EOC                   | 8405.63  | 90.000  | 235.042 | 7343.00  | -1452.42     | -1286.18     | 4.56          | 1444.37  |
| EOT                   | 9276.51  | 90.000  | 269.877 | 7343.00  | -1710.87     | -2103.84     | 4.00          | 2286.29  |
| 7" Casing / Target #1 | 9558.15  | 90.000  | 269.877 | 7343.00  | -1711.47     | -2385.48     | 0.00          | 2566.13  |
| TL                    | 9581.64  | 90.469  | 269.854 | 7342.90  | -1711.53     | -2408.97     | 2.00          | 2589.47  |
| No.139H PBHL          | 22268.05 | 90.469  | 269.854 | 7239.00  | -1743.87     | -15094.91    | 0.00          | 15195.31 |

|                                                                |                                                                     |
|----------------------------------------------------------------|---------------------------------------------------------------------|
| Plot reference wellpath is Rev-B.0                             |                                                                     |
| True vertical depths are referenced to Rig on JRU No.139H (KB) | Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet |
| Measured depths are referenced to Rig on JRU No.139H (KB)      | North Reference: Grid north                                         |
| Rig on JRU No.139H (KB) to Mean Sea Level: 3373 feet           | Scale: True distance                                                |
| Mean Sea Level to Mud line (At Slot: JRU No.139H SHL): 0 feet  | Depths are in feet                                                  |
| Coordinates are in feet referenced to Slot                     | Created by: gentry on 30/Sep/2013                                   |

No.139H PBHL

No.139H PBHL : 90.47° Inc, 22268.05ft MD, 7239.00ft TVD, 15195.31ft VS

Scale 1 inch = 2000 ft

Rev-B.0



# Planned Wellpath Report

Rev-B.0  
Page 1 of 8

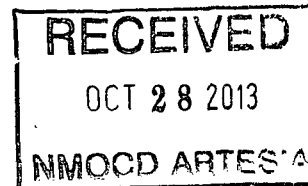


| REFERENCE WELLPATH IDENTIFICATION |                       |          |                 |
|-----------------------------------|-----------------------|----------|-----------------|
| Operator                          | BOPCO, L.P.           | Slot     | JRU No.139H SHL |
| Area                              | Eddy County, NM       | Well     | JRU No.139H     |
| Field                             | JRU NAD27             | Wellbore | JRU No.139H PWB |
| Facility                          | (JRU) No.138 & No.139 |          |                 |

| REPORT SETUP INFORMATION |                                                        |                      |                                |
|--------------------------|--------------------------------------------------------|----------------------|--------------------------------|
| Projection System        | NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet | Software System      | WellArchitect@ 3.0.0           |
| North Reference          | Grid                                                   | User                 | Gentbry                        |
| Scale                    | 0.999936                                               | Report Generated     | 30/Sep/2013 at 14:26           |
| Convergence at slot      | 0.27° East                                             | Database/Source file | Midland DB/JRU_No.139H_PWB.xml |

| WELLPATH LOCATION     |                   |          |                  |                 |                        |                 |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
|                       | Local coordinates |          | Grid coordinates |                 | Geographic coordinates |                 |
|                       | North[ft]         | East[ft] | Easting[US ft]   | Northing[US ft] | Latitude               | Longitude       |
| Slot Location         | 953.20            | 1131.96  | 653627.32        | 495858.06       | 32°21'44.091"N         | 103°50'08.842"W |
| Facility Reference Pt |                   |          | 652495.44        | 494904.92       | 32°21'34.711"N         | 103°50'22.090"W |
| Field Reference Pt    |                   |          | 652495.44        | 494904.92       | 32°21'34.711"N         | 103°50'22.090"W |

| WELLPATH DATUM           |                         |                                                               |                   |
|--------------------------|-------------------------|---------------------------------------------------------------|-------------------|
| Calculation method       | Minimum curvature       | Rig on JRU No.139H (KB) to Facility Vertical Datum            | 3373.00ft         |
| Horizontal Reference Pt  | Slot                    | Rig on JRU No.139H (KB) to Mean Sea Level                     | 3373.00ft         |
| Vertical Reference Pt    | Rig on JRU No.139H (KB) | Rig on JRU No.139H (KB) to Mud Line at Slot (JRU No.139H SHL) | 3373.00ft         |
| MD Reference Pt          | Rig on JRU No.139H (KB) | Section Origin                                                | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level          | Section Azimuth                                               | 263.41°           |





# Planned Wellpath Report

Rev-B.0

Page 2 of 8



| REFERENCE WELLPATH IDENTIFICATION |                       |          |                 |
|-----------------------------------|-----------------------|----------|-----------------|
| Operator                          | BOPCO, L.P.           | Slot     | JRU No.139H SHL |
| Area                              | Eddy County, NM       | Well     | JRU No.139H     |
| Field                             | JRU NAD27             | Wellbore | JRU No.139H PWB |
| Facility                          | (JRU) No.138 & No.139 |          |                 |

| WELLPATH DATA (242 stations)      † = interpolated/extrapolated station |                    |                |             |                   |               |              |                      |                       |                |                 |                  |          |
|-------------------------------------------------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|----------|
| MD<br>[ft]                                                              | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
| 0.00†                                                                   | 0.000              | 220.000        | 0.00        | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 30.00                                                                   | 0.000              | 220.000        | 30.00       | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             | Tie On   |
| 130.00†                                                                 | 0.000              | 220.000        | 130.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 204.00†                                                                 | 0.000              | 220.000        | 204.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             | Rustler  |
| 230.00†                                                                 | 0.000              | 220.000        | 230.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 330.00†                                                                 | 0.000              | 220.000        | 330.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 430.00†                                                                 | 0.000              | 220.000        | 430.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 530.00†                                                                 | 0.000              | 220.000        | 530.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 630.00†                                                                 | 0.000              | 220.000        | 630.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 702.00†                                                                 | 0.000              | 220.000        | 702.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             | Salado   |
| 730.00†                                                                 | 0.000              | 220.000        | 730.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 830.00†                                                                 | 0.000              | 220.000        | 830.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 930.00†                                                                 | 0.000              | 220.000        | 930.00      | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1030.00†                                                                | 0.000              | 220.000        | 1030.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1130.00†                                                                | 0.000              | 220.000        | 1130.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1230.00†                                                                | 0.000              | 220.000        | 1230.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1330.00†                                                                | 0.000              | 220.000        | 1330.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1430.00†                                                                | 0.000              | 220.000        | 1430.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1530.00†                                                                | 0.000              | 220.000        | 1530.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1630.00†                                                                | 0.000              | 220.000        | 1630.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1730.00†                                                                | 0.000              | 220.000        | 1730.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1830.00†                                                                | 0.000              | 220.000        | 1830.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 1930.00†                                                                | 0.000              | 220.000        | 1930.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 2030.00†                                                                | 0.000              | 220.000        | 2030.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 2130.00†                                                                | 0.000              | 220.000        | 2130.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 2230.00†                                                                | 0.000              | 220.000        | 2230.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 2330.00†                                                                | 0.000              | 220.000        | 2330.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 2430.00†                                                                | 0.000              | 220.000        | 2430.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             |          |
| 2500.00                                                                 | 0.000              | 220.000        | 2500.00     | 0.00              | 0.00          | 0.00         | 653627.32            | 495858.06             | 32°21'44.091"N | 103°50'08.842"W | 0.00             | Nudge    |
| 2530.00†                                                                | 0.600              | 220.000        | 2530.00     | 0.11              | -0.12         | -0.10        | 653627.22            | 495857.94             | 32°21'44.090"N | 103°50'08.843"W | 2.00             |          |
| 2630.00†                                                                | 2.600              | 220.000        | 2629.96     | 2.14              | -2.26         | -1.90        | 653625.42            | 495855.80             | 32°21'44.069"N | 103°50'08.864"W | 2.00             |          |
| 2730.00†                                                                | 4.600              | 220.000        | 2729.75     | 6.70              | -7.07         | -5.93        | 653621.39            | 495850.99             | 32°21'44.022"N | 103°50'08.912"W | 2.00             |          |
| 2750.00                                                                 | 5.000              | 220.000        | 2749.68     | 7.92              | -8.35         | -7.01        | 653620.31            | 495849.71             | 32°21'44.009"N | 103°50'08.924"W | 2.00             | EOB      |
| 2830.00†                                                                | 5.000              | 220.000        | 2829.38     | 12.98             | -13.69        | -11.49       | 653615.83            | 495844.37             | 32°21'43.956"N | 103°50'08.977"W | 0.00             |          |
| 2930.00†                                                                | 5.000              | 220.000        | 2929.00     | 19.32             | -20.37        | -17.09       | 653610.23            | 495837.69             | 32°21'43.891"N | 103°50'09.043"W | 0.00             |          |
| 3030.00†                                                                | 5.000              | 220.000        | 3028.62     | 25.65             | -27.05        | -22.69       | 653604.63            | 495831.02             | 32°21'43.825"N | 103°50'09.108"W | 0.00             |          |
| 3130.00†                                                                | 5.000              | 220.000        | 3128.24     | 31.98             | -33.72        | -28.30       | 653599.03            | 495824.34             | 32°21'43.759"N | 103°50'09.174"W | 0.00             |          |
| 3230.00†                                                                | 5.000              | 220.000        | 3227.86     | 38.31             | -40.40        | -33.90       | 653593.42            | 495817.66             | 32°21'43.693"N | 103°50'09.240"W | 0.00             |          |
| 3330.00†                                                                | 5.000              | 220.000        | 3327.48     | 44.64             | -47.07        | -39.50       | 653587.82            | 495810.99             | 32°21'43.627"N | 103°50'09.305"W | 0.00             |          |
| 3430.00†                                                                | 5.000              | 220.000        | 3427.10     | 50.97             | -53.75        | -45.10       | 653582.22            | 495804.31             | 32°21'43.562"N | 103°50'09.371"W | 0.00             |          |
| 3530.00†                                                                | 5.000              | 220.000        | 3526.71     | 57.30             | -60.43        | -50.70       | 653576.62            | 495797.64             | 32°21'43.496"N | 103°50'09.437"W | 0.00             |          |
| 3630.00†                                                                | 5.000              | 220.000        | 3626.33     | 63.64             | -67.10        | -56.31       | 653571.02            | 495790.96             | 32°21'43.430"N | 103°50'09.502"W | 0.00             |          |
| 3730.00†                                                                | 5.000              | 220.000        | 3725.95     | 69.97             | -73.78        | -61.91       | 653565.41            | 495784.28             | 32°21'43.364"N | 103°50'09.568"W | 0.00             |          |
| 3830.00†                                                                | 5.000              | 220.000        | 3825.57     | 76.30             | -80.46        | -67.51       | 653559.81            | 495777.61             | 32°21'43.298"N | 103°50'09.634"W | 0.00             |          |
| 3868.57†                                                                | 5.000              | 220.000        | 3864.00     | 78.74             | -83.03        | -69.67       | 653557.65            | 495775.03             | 32°21'43.273"N | 103°50'09.659"W | 0.00             | Lamar    |



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| REFERENCE WELLPATH IDENTIFICATION |                       |          |                 |
|-----------------------------------|-----------------------|----------|-----------------|
| Operator                          | BOPCO, L.P.           | Slot     | JRU No.139H SHL |
| Area                              | Eddy County, NM       | Well     | JRU No.139H     |
| Field                             | JRU NAD27             | Wellbore | JRU No.139H PWB |
| Facility                          | (JRU) No.138 & No.139 |          |                 |

| WELLPATH DATA (242 stations)      = interpolated/extrapolated station |                    |                |             |                   |               |              |                      |                       |                |                 |                  |                      |
|-----------------------------------------------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|----------------------|
| MD<br>[ft]                                                            | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments             |
| 3892.67+                                                              | 5.000              | 220.000        | 3888.00     | 80.27             | -84.64        | -71.02       | 653556.30            | 495773.42             | 32°21'43.257"N | 103°50'09.675"W | 0.00             | Delaware Sands       |
| 3930.00+                                                              | 5.000              | 220.000        | 3925.19     | 82.63             | -87.13        | -73.11       | 653554.21            | 495770.93             | 32°21'43.233"N | 103°50'09.699"W | 0.00             |                      |
| 4030.00+                                                              | 5.000              | 220.000        | 4024.81     | 88.96             | -93.81        | -78.72       | 653548.61            | 495764.26             | 32°21'43.167"N | 103°50'09.765"W | 0.00             |                      |
| 4130.00+                                                              | 5.000              | 220.000        | 4124.43     | 95.29             | -100.49       | -84.32       | 653543.01            | 495757.58             | 32°21'43.101"N | 103°50'09.831"W | 0.00             |                      |
| 4230.00+                                                              | 5.000              | 220.000        | 4224.05     | 101.63            | -107.16       | -89.92       | 653537.41            | 495750.90             | 32°21'43.035"N | 103°50'09.896"W | 0.00             |                      |
| 4330.00+                                                              | 5.000              | 220.000        | 4323.67     | 107.96            | -113.84       | -95.52       | 653531.80            | 495744.23             | 32°21'42.969"N | 103°50'09.962"W | 0.00             |                      |
| 4430.00+                                                              | 5.000              | 220.000        | 4423.29     | 114.29            | -120.52       | -101.13      | 653526.20            | 495737.55             | 32°21'42.904"N | 103°50'10.028"W | 0.00             |                      |
| 4530.00+                                                              | 5.000              | 220.000        | 4522.91     | 120.62            | -127.19       | -106.73      | 653520.60            | 495730.88             | 32°21'42.838"N | 103°50'10.093"W | 0.00             |                      |
| 4630.00+                                                              | 5.000              | 220.000        | 4622.53     | 126.95            | -133.87       | -112.33      | 653515.00            | 495724.20             | 32°21'42.772"N | 103°50'10.159"W | 0.00             |                      |
| 4730.00+                                                              | 5.000              | 220.000        | 4722.15     | 133.28            | -140.55       | -117.93      | 653509.40            | 495717.52             | 32°21'42.706"N | 103°50'10.225"W | 0.00             |                      |
| 4830.00+                                                              | 5.000              | 220.000        | 4821.77     | 139.61            | -147.22       | -123.53      | 653503.79            | 495710.85             | 32°21'42.640"N | 103°50'10.290"W | 0.00             |                      |
| 4930.00+                                                              | 5.000              | 220.000        | 4921.39     | 145.95            | -153.90       | -129.14      | 653498.19            | 495704.17             | 32°21'42.574"N | 103°50'10.356"W | 0.00             |                      |
| 5030.00+                                                              | 5.000              | 220.000        | 5021.01     | 152.28            | -160.58       | -134.74      | 653492.59            | 495697.50             | 32°21'42.509"N | 103°50'10.422"W | 0.00             |                      |
| 5130.00+                                                              | 5.000              | 220.000        | 5120.63     | 158.61            | -167.25       | -140.34      | 653486.99            | 495690.82             | 32°21'42.443"N | 103°50'10.487"W | 0.00             |                      |
| 5230.00+                                                              | 5.000              | 220.000        | 5220.25     | 164.94            | -173.93       | -145.94      | 653481.39            | 495684.14             | 32°21'42.377"N | 103°50'10.553"W | 0.00             |                      |
| 5330.00+                                                              | 5.000              | 220.000        | 5319.87     | 171.27            | -180.61       | -151.55      | 653475.78            | 495677.47             | 32°21'42.311"N | 103°50'10.619"W | 0.00             |                      |
| 5430.00+                                                              | 5.000              | 220.000        | 5419.48     | 177.60            | -187.28       | -157.15      | 653470.18            | 495670.79             | 32°21'42.245"N | 103°50'10.684"W | 0.00             |                      |
| 5530.00+                                                              | 5.000              | 220.000        | 5519.10     | 183.93            | -193.96       | -162.75      | 653464.58            | 495664.11             | 32°21'42.180"N | 103°50'10.750"W | 0.00             |                      |
| 5630.00+                                                              | 5.000              | 220.000        | 5618.72     | 190.27            | -200.63       | -168.35      | 653458.98            | 495657.44             | 32°21'42.114"N | 103°50'10.816"W | 0.00             |                      |
| 5730.00+                                                              | 5.000              | 220.000        | 5718.34     | 196.60            | -207.31       | -173.95      | 653453.38            | 495650.76             | 32°21'42.048"N | 103°50'10.881"W | 0.00             |                      |
| 5830.00+                                                              | 5.000              | 220.000        | 5817.96     | 202.93            | -213.99       | -179.56      | 653447.77            | 495644.09             | 32°21'41.982"N | 103°50'10.947"W | 0.00             |                      |
| 5930.00+                                                              | 5.000              | 220.000        | 5917.58     | 209.26            | -220.66       | -185.16      | 653442.17            | 495637.41             | 32°21'41.916"N | 103°50'11.013"W | 0.00             |                      |
| 6030.00+                                                              | 5.000              | 220.000        | 6017.20     | 215.59            | -227.34       | -190.76      | 653436.57            | 495630.73             | 32°21'41.851"N | 103°50'11.078"W | 0.00             |                      |
| 6130.00+                                                              | 5.000              | 220.000        | 6116.82     | 221.92            | -234.02       | -196.36      | 653430.97            | 495624.06             | 32°21'41.785"N | 103°50'11.144"W | 0.00             |                      |
| 6144.00+                                                              | 5.000              | 220.000        | 6130.77     | 222.81            | -234.95       | -197.15      | 653430.18            | 495623.12             | 32°21'41.776"N | 103°50'11.153"W | 0.00             | Est KOP              |
| 6169.35+                                                              | 6.141              | 220.000        | 6156.00     | 224.60            | -236.84       | -198.73      | 653428.60            | 495621.24             | 32°21'41.757"N | 103°50'11.172"W | 4.50             | Lower Cherry Canyon  |
| 6230.00+                                                              | 8.870              | 220.000        | 6216.12     | 230.35            | -242.90       | -203.82      | 653423.51            | 495615.17             | 32°21'41.697"N | 103°50'11.232"W | 4.50             |                      |
| 6330.00+                                                              | 13.370             | 220.000        | 6314.22     | 244.36            | -257.68       | -216.22      | 653411.12            | 495600.40             | 32°21'41.552"N | 103°50'11.377"W | 4.50             |                      |
| 6430.00+                                                              | 17.870             | 220.000        | 6410.50     | 263.91            | -278.30       | -233.52      | 653393.82            | 495579.78             | 32°21'41.348"N | 103°50'11.580"W | 4.50             |                      |
| 6530.00+                                                              | 22.370             | 220.000        | 6504.37     | 288.90            | -304.64       | -255.62      | 653371.71            | 495553.44             | 32°21'41.089"N | 103°50'11.839"W | 4.50             |                      |
| 6630.00+                                                              | 26.870             | 220.000        | 6595.26     | 319.15            | -336.55       | -282.40      | 653344.94            | 495521.54             | 32°21'40.774"N | 103°50'12.153"W | 4.50             |                      |
| 6730.00+                                                              | 31.370             | 220.000        | 6682.60     | 354.50            | -373.81       | -313.67      | 653313.67            | 495484.27             | 32°21'40.407"N | 103°50'12.519"W | 4.50             |                      |
| 6830.00+                                                              | 35.870             | 220.000        | 6765.85     | 394.71            | -416.22       | -349.25      | 653278.09            | 495441.87             | 32°21'39.989"N | 103°50'12.936"W | 4.50             |                      |
| 6930.00+                                                              | 40.370             | 220.000        | 6844.50     | 439.54            | -463.50       | -388.92      | 653238.43            | 495394.60             | 32°21'39.523"N | 103°50'13.401"W | 4.50             |                      |
| 7030.00+                                                              | 44.870             | 220.000        | 6918.07     | 488.72            | -515.35       | -432.43      | 653194.92            | 495342.74             | 32°21'39.012"N | 103°50'13.911"W | 4.50             |                      |
| 7130.00+                                                              | 49.370             | 220.000        | 6986.10     | 541.94            | -571.47       | -479.52      | 653147.83            | 495286.62             | 32°21'38.459"N | 103°50'14.463"W | 4.50             |                      |
| 7230.00+                                                              | 53.870             | 220.000        | 7048.17     | 598.87            | -631.51       | -529.90      | 653097.46            | 495226.59             | 32°21'37.867"N | 103°50'15.054"W | 4.50             |                      |
| 7330.00+                                                              | 58.370             | 220.000        | 7103.90     | 659.17            | -695.09       | -583.25      | 653044.11            | 495163.02             | 32°21'37.240"N | 103°50'15.679"W | 4.50             |                      |
| 7430.00+                                                              | 62.870             | 220.000        | 7152.95     | 722.45            | -761.82       | -639.25      | 652988.12            | 495096.29             | 32°21'36.582"N | 103°50'16.336"W | 4.50             |                      |
| 7530.00+                                                              | 67.370             | 220.000        | 7195.01     | 788.34            | -831.30       | -697.54      | 652929.82            | 495026.81             | 32°21'35.898"N | 103°50'17.019"W | 4.50             |                      |
| 7614.77+                                                              | 71.185             | 220.000        | 7225.00     | 845.93            | -892.03       | -748.50      | 652878.87            | 494966.09             | 32°21'35.299"N | 103°50'17.616"W | 4.50             | Brushy Canyon Up "U" |
| 7630.00+                                                              | 71.870             | 220.000        | 7229.82     | 856.42            | -903.09       | -757.78      | 652869.59            | 494955.03             | 32°21'35.190"N | 103°50'17.725"W | 4.50             |                      |
| 7730.00+                                                              | 76.370             | 220.000        | 7257.18     | 926.28            | -976.75       | -819.59      | 652807.78            | 494881.37             | 32°21'34.464"N | 103°50'18.450"W | 4.50             |                      |
| 7810.67                                                               | 80.000             | 220.000        | 7273.69     | 983.62            | -1037.23      | -870.34      | 652757.04            | 494820.90             | 32°21'33.868"N | 103°50'19.045"W | 4.50             | 80° Curve            |
| 7830.00+                                                              | 80.000             | 220.000        | 7277.05     | 997.46            | -1051.81      | -882.58      | 652744.80            | 494806.31             | 32°21'33.724"N | 103°50'19.188"W | 0.00             |                      |



# Planned Wellpath Report

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| REFERENCE WELLPATH IDENTIFICATION |                       |          |                 |
|-----------------------------------|-----------------------|----------|-----------------|
| Operator                          | BOPCO, L.P.           | Slot     | JRU No.139H SHL |
| Area                              | Eddy County, NM       | Well     | JRU No.139H     |
| Field                             | JRU NAD27             | Wellbore | JRU No.139H PWB |
| Facility                          | (JRU) No.138 & No.139 |          |                 |

| WELLPATH DATA (242 stations) † = interpolated/extrapolated station |                    |                |             |                   |               |              |                      |                       |                |                 |                  |                       |
|--------------------------------------------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|-----------------------|
| MD<br>[ft]                                                         | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments              |
| 7930.00†                                                           | 80.000             | 220.000        | 7294.42     | 1069.00           | -1127.26      | -945.88      | 652681.50            | 494730.88             | 32°21'32.980"N | 103°50'19.930"W | 0.00             |                       |
| 7985.19†                                                           | 80.000             | 220.000        | 7304.00     | 1108.48           | -1168.89      | -980.82      | 652646.57            | 494689.24             | 32°21'32.570"N | 103°50'20.340"W | 0.00             | Brushy Canyon Lo "U"  |
| 8010.67                                                            | 80.000             | 220.000        | 7308.42     | 1126.71           | -1188.11      | -996.94      | 652630.44            | 494670.03             | 32°21'32.381"N | 103°50'20.529"W | 0.00             | 200' Tangent          |
| 8030.00†                                                           | 80.479             | 220.750        | 7311.70     | 1140.64           | -1202.63      | -1009.29     | 652618.10            | 494655.51             | 32°21'32.237"N | 103°50'20.673"W | 4.56             |                       |
| 8130.00†                                                           | 82.980             | 224.600        | 7326.09     | 1215.61           | -1275.35      | -1076.35     | 652551.04            | 494582.79             | 32°21'31.521"N | 103°50'21.459"W | 4.56             |                       |
| 8230.00†                                                           | 85.512             | 228.408        | 7336.12     | 1295.15           | -1343.81      | -1148.52     | 652478.88            | 494514.33             | 32°21'30.847"N | 103°50'22.304"W | 4.56             |                       |
| 8330.00†                                                           | 88.064             | 232.190        | 7341.72     | 1378.76           | -1407.57      | -1225.32     | 652402.08            | 494450.58             | 32°21'30.219"N | 103°50'23.203"W | 4.56             |                       |
| 8405.63                                                            | 90.000             | 235.042        | 7343.00     | 1444.37           | -1452.42      | -1286.18     | 652341.22            | 494405.74             | 32°21'29.778"N | 103°50'23.915"W | 4.56             | EOC                   |
| 8430.00†                                                           | 90.000             | 236.016        | 7343.00     | 1465.91           | -1466.22      | -1306.28     | 652321.13            | 494391.94             | 32°21'29.643"N | 103°50'24.150"W | 4.00             |                       |
| 8530.00†                                                           | 90.000             | 240.016        | 7343.00     | 1556.23           | -1519.17      | -1391.08     | 652236.33            | 494338.99             | 32°21'29.123"N | 103°50'25.141"W | 4.00             |                       |
| 8630.00†                                                           | 90.000             | 244.016        | 7343.00     | 1649.33           | -1566.08      | -1479.37     | 652148.05            | 494292.08             | 32°21'28.662"N | 103°50'26.173"W | 4.00             |                       |
| 8730.00†                                                           | 90.000             | 248.016        | 7343.00     | 1744.73           | -1606.72      | -1570.72     | 652056.71            | 494251.44             | 32°21'28.264"N | 103°50'27.240"W | 4.00             |                       |
| 8830.00†                                                           | 90.000             | 252.016        | 7343.00     | 1841.99           | -1640.89      | -1664.68     | 651962.75            | 494217.28             | 32°21'27.931"N | 103°50'28.337"W | 4.00             |                       |
| 8930.00†                                                           | 90.000             | 256.016        | 7343.00     | 1940.63           | -1668.42      | -1760.79     | 651866.64            | 494189.75             | 32°21'27.663"N | 103°50'29.459"W | 4.00             |                       |
| 9030.00†                                                           | 90.000             | 260.016        | 7343.00     | 2040.17           | -1689.18      | -1858.59     | 651768.85            | 494168.99             | 32°21'27.462"N | 103°50'30.600"W | 4.00             |                       |
| 9130.00†                                                           | 90.000             | 264.016        | 7343.00     | 2140.12           | -1703.07      | -1957.60     | 651669.85            | 494155.11             | 32°21'27.329"N | 103°50'31.755"W | 4.00             |                       |
| 9230.00†                                                           | 90.000             | 268.016        | 7343.00     | 2240.00           | -1710.01      | -2057.34     | 651570.11            | 494148.16             | 32°21'27.265"N | 103°50'32.918"W | 4.00             |                       |
| 9276.51                                                            | 90.000             | 269.877        | 7343.00     | 2286.29           | -1710.87      | -2103.84     | 651523.61            | 494147.31             | 32°21'27.258"N | 103°50'33.460"W | 4.00             | EOT                   |
| 9330.00†                                                           | 90.000             | 269.877        | 7343.00     | 2339.44           | -1710.98      | -2157.33     | 651470.13            | 494147.19             | 32°21'27.259"N | 103°50'34.084"W | 0.00             |                       |
| 9430.00†                                                           | 90.000             | 269.877        | 7343.00     | 2438.80           | -1711.20      | -2257.33     | 651370.14            | 494146.98             | 32°21'27.262"N | 103°50'35.250"W | 0.00             |                       |
| 9530.00†                                                           | 90.000             | 269.877        | 7343.00     | 2538.16           | -1711.41      | -2357.33     | 651270.14            | 494146.76             | 32°21'27.264"N | 103°50'36.415"W | 0.00             |                       |
| 9558.15                                                            | 90.000             | 269.877        | 7343.00†    | 2566.13           | -1711.47      | -2385.48     | 651242.00            | 494146.70             | 32°21'27.265"N | 103°50'36.743"W | 0.00             | 7" Casing / Target #1 |
| 9581.64                                                            | 90.469             | 269.854        | 7342.90     | 2589.47           | -1711.53      | -2408.97     | 651218.51            | 494146.65             | 32°21'27.265"N | 103°50'37.017"W | 2.00             | TL                    |
| 9630.00†                                                           | 90.469             | 269.854        | 7342.51     | 2637.53           | -1711.65      | -2457.33     | 651170.15            | 494146.52             | 32°21'27.266"N | 103°50'37.581"W | 0.00             |                       |
| 9730.00†                                                           | 90.469             | 269.854        | 7341.69     | 2736.89           | -1711.91      | -2557.33     | 651070.16            | 494146.27             | 32°21'27.268"N | 103°50'38.747"W | 0.00             |                       |
| 9830.00†                                                           | 90.469             | 269.854        | 7340.87     | 2836.26           | -1712.16      | -2657.32     | 650970.17            | 494146.01             | 32°21'27.270"N | 103°50'39.912"W | 0.00             |                       |
| 9930.00†                                                           | 90.469             | 269.854        | 7340.05     | 2935.62           | -1712.42      | -2757.32     | 650870.18            | 494145.76             | 32°21'27.272"N | 103°50'41.078"W | 0.00             |                       |
| 10030.00†                                                          | 90.469             | 269.854        | 7339.23     | 3034.99           | -1712.67      | -2857.31     | 650770.19            | 494145.50             | 32°21'27.274"N | 103°50'42.244"W | 0.00             |                       |
| 10130.00†                                                          | 90.469             | 269.854        | 7338.41     | 3134.35           | -1712.93      | -2957.31     | 650670.20            | 494145.25             | 32°21'27.276"N | 103°50'43.410"W | 0.00             |                       |
| 10230.00†                                                          | 90.469             | 269.854        | 7337.59     | 3233.72           | -1713.18      | -3057.31     | 650570.21            | 494144.99             | 32°21'27.278"N | 103°50'44.575"W | 0.00             |                       |
| 10330.00†                                                          | 90.469             | 269.854        | 7336.77     | 3333.08           | -1713.44      | -3157.30     | 650470.22            | 494144.74             | 32°21'27.280"N | 103°50'45.741"W | 0.00             |                       |
| 10430.00†                                                          | 90.469             | 269.854        | 7335.96     | 3432.45           | -1713.69      | -3257.30     | 650370.23            | 494144.48             | 32°21'27.282"N | 103°50'46.907"W | 0.00             |                       |
| 10530.00†                                                          | 90.469             | 269.854        | 7335.14     | 3531.81           | -1713.95      | -3357.30     | 650270.25            | 494144.23             | 32°21'27.284"N | 103°50'48.072"W | 0.00             |                       |
| 10630.00†                                                          | 90.469             | 269.854        | 7334.32     | 3631.18           | -1714.20      | -3457.29     | 650170.26            | 494143.97             | 32°21'27.286"N | 103°50'49.238"W | 0.00             |                       |
| 10730.00†                                                          | 90.469             | 269.854        | 7333.50     | 3730.54           | -1714.46      | -3557.29     | 650070.27            | 494143.72             | 32°21'27.288"N | 103°50'50.404"W | 0.00             |                       |
| 10830.00†                                                          | 90.469             | 269.854        | 7332.68     | 3829.91           | -1714.71      | -3657.28     | 649970.28            | 494143.46             | 32°21'27.290"N | 103°50'51.569"W | 0.00             |                       |
| 10930.00†                                                          | 90.469             | 269.854        | 7331.86     | 3929.27           | -1714.97      | -3757.28     | 649870.29            | 494143.21             | 32°21'27.292"N | 103°50'52.735"W | 0.00             |                       |
| 11030.00†                                                          | 90.469             | 269.854        | 7331.04     | 4028.64           | -1715.22      | -3857.28     | 649770.30            | 494142.95             | 32°21'27.294"N | 103°50'53.901"W | 0.00             |                       |
| 11130.00†                                                          | 90.469             | 269.854        | 7330.22     | 4128.00           | -1715.48      | -3957.27     | 649670.31            | 494142.70             | 32°21'27.296"N | 103°50'55.067"W | 0.00             |                       |
| 11230.00†                                                          | 90.469             | 269.854        | 7329.40     | 4227.37           | -1715.73      | -4057.27     | 649570.32            | 494142.44             | 32°21'27.298"N | 103°50'56.232"W | 0.00             |                       |
| 11330.00†                                                          | 90.469             | 269.854        | 7328.58     | 4326.73           | -1715.99      | -4157.27     | 649470.33            | 494142.19             | 32°21'27.300"N | 103°50'57.398"W | 0.00             |                       |
| 11430.00†                                                          | 90.469             | 269.854        | 7327.77     | 4426.10           | -1716.24      | -4257.26     | 649370.34            | 494141.93             | 32°21'27.302"N | 103°50'58.564"W | 0.00             |                       |
| 11530.00†                                                          | 90.469             | 269.854        | 7326.95     | 4525.46           | -1716.50      | -4357.26     | 649270.35            | 494141.68             | 32°21'27.304"N | 103°50'59.729"W | 0.00             |                       |
| 11630.00†                                                          | 90.469             | 269.854        | 7326.13     | 4624.83           | -1716.75      | -4457.26     | 649170.36            | 494141.42             | 32°21'27.306"N | 103°51'00.895"W | 0.00             |                       |
| 11730.00†                                                          | 90.469             | 269.854        | 7325.31     | 4724.19           | -1717.01      | -4557.25     | 649070.37            | 494141.17             | 32°21'27.308"N | 103°51'02.061"W | 0.00             |                       |



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| REFERENCE WELLPATH IDENTIFICATION |                       |          |                 |
|-----------------------------------|-----------------------|----------|-----------------|
| Operator                          | BOPCO, L.P.           | Slot     | JRU No.139H SHL |
| Area                              | Eddy County, NM       | Well     | JRU No.139H     |
| Field                             | JRU NAD27             | Wellbore | JRU No.139H PWB |
| Facility                          | (JRU) No.138 & No.139 |          |                 |

| WELLPATH DATA (242 stations) † = interpolated/extrapolated station |                    |                |             |                   |               |              |                      |                       |                |                 |                  |                      |
|--------------------------------------------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|----------------------|
| MD<br>[ft]                                                         | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments             |
| 11830.00†                                                          | 90.469             | 269.854        | 7324.49     | 4823.56           | -1717.26      | -4657.25     | 648970.38            | 494140.91             | 32°21'27.310"N | 103°51'03.227"W | 0.00             |                      |
| 11930.00†                                                          | 90.469             | 269.854        | 7323.67     | 4922.92           | -1717.52      | -4757.24     | 648870.39            | 494140.66             | 32°21'27.312"N | 103°51'04.392"W | 0.00             |                      |
| 12030.00†                                                          | 90.469             | 269.854        | 7322.85     | 5022.29           | -1717.77      | -4857.24     | 648770.40            | 494140.40             | 32°21'27.314"N | 103°51'05.558"W | 0.00             |                      |
| 12130.00†                                                          | 90.469             | 269.854        | 7322.03     | 5121.65           | -1718.03      | -4957.24     | 648670.41            | 494140.15             | 32°21'27.316"N | 103°51'06.724"W | 0.00             |                      |
| 12230.00†                                                          | 90.469             | 269.854        | 7321.21     | 5221.02           | -1718.28      | -5057.23     | 648570.42            | 494139.89             | 32°21'27.317"N | 103°51'07.889"W | 0.00             |                      |
| 12330.00†                                                          | 90.469             | 269.854        | 7320.39     | 5320.38           | -1718.54      | -5157.23     | 648470.43            | 494139.64             | 32°21'27.319"N | 103°51'09.055"W | 0.00             |                      |
| 12430.00†                                                          | 90.469             | 269.854        | 7319.58     | 5419.75           | -1718.79      | -5257.23     | 648370.44            | 494139.38             | 32°21'27.321"N | 103°51'10.221"W | 0.00             |                      |
| 12530.00†                                                          | 90.469             | 269.854        | 7318.76     | 5519.11           | -1719.04      | -5357.22     | 648270.45            | 494139.13             | 32°21'27.323"N | 103°51'11.387"W | 0.00             |                      |
| 12630.00†                                                          | 90.469             | 269.854        | 7317.94     | 5618.48           | -1719.30      | -5457.22     | 648170.46            | 494138.87             | 32°21'27.325"N | 103°51'12.552"W | 0.00             |                      |
| 12730.00†                                                          | 90.469             | 269.854        | 7317.12     | 5717.84           | -1719.55      | -5557.21     | 648070.47            | 494138.62             | 32°21'27.327"N | 103°51'13.718"W | 0.00             |                      |
| 12830.00†                                                          | 90.469             | 269.854        | 7316.30     | 5817.21           | -1719.81      | -5657.21     | 647970.48            | 494138.36             | 32°21'27.329"N | 103°51'14.884"W | 0.00             |                      |
| 12930.00†                                                          | 90.469             | 269.854        | 7315.48     | 5916.57           | -1720.06      | -5757.21     | 647870.49            | 494138.11             | 32°21'27.331"N | 103°51'16.049"W | 0.00             |                      |
| 13030.00†                                                          | 90.469             | 269.854        | 7314.66     | 6015.93           | -1720.32      | -5857.20     | 647770.50            | 494137.85             | 32°21'27.333"N | 103°51'17.215"W | 0.00             |                      |
| 13130.00†                                                          | 90.469             | 269.854        | 7313.84     | 6115.30           | -1720.57      | -5957.20     | 647670.51            | 494137.60             | 32°21'27.335"N | 103°51'18.381"W | 0.00             |                      |
| 13230.00†                                                          | 90.469             | 269.854        | 7313.02     | 6214.66           | -1720.83      | -6057.20     | 647570.52            | 494137.34             | 32°21'27.337"N | 103°51'19.547"W | 0.00             |                      |
| 13330.00†                                                          | 90.469             | 269.854        | 7312.20     | 6314.03           | -1721.08      | -6157.19     | 647470.53            | 494137.09             | 32°21'27.338"N | 103°51'20.712"W | 0.00             |                      |
| 13430.00†                                                          | 90.469             | 269.854        | 7311.39     | 6413.39           | -1721.34      | -6257.19     | 647370.54            | 494136.83             | 32°21'27.340"N | 103°51'21.878"W | 0.00             |                      |
| 13530.00†                                                          | 90.469             | 269.854        | 7310.57     | 6512.76           | -1721.59      | -6357.19     | 647270.55            | 494136.58             | 32°21'27.342"N | 103°51'23.044"W | 0.00             |                      |
| 13630.00†                                                          | 90.469             | 269.854        | 7309.75     | 6612.12           | -1721.85      | -6457.18     | 647170.56            | 494136.32             | 32°21'27.344"N | 103°51'24.209"W | 0.00             |                      |
| 13730.00†                                                          | 90.469             | 269.854        | 7308.93     | 6711.49           | -1722.10      | -6557.18     | 647070.57            | 494136.07             | 32°21'27.346"N | 103°51'25.375"W | 0.00             |                      |
| 13830.00†                                                          | 90.469             | 269.854        | 7308.11     | 6810.85           | -1722.36      | -6657.17     | 646970.58            | 494135.81             | 32°21'27.348"N | 103°51'26.541"W | 0.00             |                      |
| 13930.00†                                                          | 90.469             | 269.854        | 7307.29     | 6910.22           | -1722.61      | -6757.17     | 646870.59            | 494135.56             | 32°21'27.350"N | 103°51'27.707"W | 0.00             |                      |
| 14030.00†                                                          | 90.469             | 269.854        | 7306.47     | 7009.58           | -1722.87      | -6857.17     | 646770.60            | 494135.30             | 32°21'27.352"N | 103°51'28.872"W | 0.00             |                      |
| 14130.00†                                                          | 90.469             | 269.854        | 7305.65     | 7108.95           | -1723.12      | -6957.16     | 646670.61            | 494135.05             | 32°21'27.354"N | 103°51'30.038"W | 0.00             |                      |
| 14230.00†                                                          | 90.469             | 269.854        | 7304.83     | 7208.31           | -1723.38      | -7057.16     | 646570.63            | 494134.79             | 32°21'27.355"N | 103°51'31.204"W | 0.00             |                      |
| 14330.00†                                                          | 90.469             | 269.854        | 7304.01     | 7307.68           | -1723.63      | -7157.16     | 646470.64            | 494134.54             | 32°21'27.357"N | 103°51'32.369"W | 0.00             |                      |
| 14331.70†                                                          | 90.469             | 269.854        | 7304.00     | 7309.37           | -1723.64      | -7158.86     | 646468.93            | 494134.53             | 32°21'27.357"N | 103°51'32.389"W | 0.00             | Brushy Canyon Lo "U" |
| 14430.00†                                                          | 90.469             | 269.854        | 7303.19     | 7407.04           | -1723.89      | -7257.15     | 646370.65            | 494134.28             | 32°21'27.359"N | 103°51'33.535"W | 0.00             |                      |
| 14530.00†                                                          | 90.469             | 269.854        | 7302.38     | 7506.41           | -1724.14      | -7357.15     | 646270.66            | 494134.03             | 32°21'27.361"N | 103°51'34.701"W | 0.00             |                      |
| 14630.00†                                                          | 90.469             | 269.854        | 7301.56     | 7605.77           | -1724.40      | -7457.15     | 646170.67            | 494133.77             | 32°21'27.363"N | 103°51'35.866"W | 0.00             |                      |
| 14730.00†                                                          | 90.469             | 269.854        | 7300.74     | 7705.14           | -1724.65      | -7557.14     | 646070.68            | 494133.52             | 32°21'27.365"N | 103°51'37.032"W | 0.00             |                      |
| 14830.00†                                                          | 90.469             | 269.854        | 7299.92     | 7804.50           | -1724.91      | -7657.14     | 645970.69            | 494133.26             | 32°21'27.367"N | 103°51'38.198"W | 0.00             |                      |
| 14930.00†                                                          | 90.469             | 269.854        | 7299.10     | 7903.87           | -1725.16      | -7757.13     | 645870.70            | 494133.01             | 32°21'27.368"N | 103°51'39.364"W | 0.00             |                      |
| 15030.00†                                                          | 90.469             | 269.854        | 7298.28     | 8003.23           | -1725.42      | -7857.13     | 645770.71            | 494132.75             | 32°21'27.370"N | 103°51'40.529"W | 0.00             |                      |
| 15130.00†                                                          | 90.469             | 269.854        | 7297.46     | 8102.60           | -1725.67      | -7957.13     | 645670.72            | 494132.50             | 32°21'27.372"N | 103°51'41.695"W | 0.00             |                      |
| 15230.00†                                                          | 90.469             | 269.854        | 7296.64     | 8201.96           | -1725.93      | -8057.12     | 645570.73            | 494132.24             | 32°21'27.374"N | 103°51'42.861"W | 0.00             |                      |
| 15330.00†                                                          | 90.469             | 269.854        | 7295.82     | 8301.33           | -1726.18      | -8157.12     | 645470.74            | 494131.99             | 32°21'27.376"N | 103°51'44.026"W | 0.00             |                      |
| 15430.00†                                                          | 90.469             | 269.854        | 7295.00     | 8400.69           | -1726.44      | -8257.12     | 645370.75            | 494131.73             | 32°21'27.378"N | 103°51'45.192"W | 0.00             |                      |
| 15530.00†                                                          | 90.469             | 269.854        | 7294.19     | 8500.06           | -1726.69      | -8357.11     | 645270.76            | 494131.48             | 32°21'27.379"N | 103°51'46.358"W | 0.00             |                      |
| 15630.00†                                                          | 90.469             | 269.854        | 7293.37     | 8599.42           | -1726.95      | -8457.11     | 645170.77            | 494131.22             | 32°21'27.381"N | 103°51'47.524"W | 0.00             |                      |
| 15730.00†                                                          | 90.469             | 269.854        | 7292.55     | 8698.79           | -1727.20      | -8557.10     | 645070.78            | 494130.97             | 32°21'27.383"N | 103°51'48.689"W | 0.00             |                      |
| 15830.00†                                                          | 90.469             | 269.854        | 7291.73     | 8798.15           | -1727.46      | -8657.10     | 644970.79            | 494130.71             | 32°21'27.385"N | 103°51'49.855"W | 0.00             |                      |
| 15930.00†                                                          | 90.469             | 269.854        | 7290.91     | 8897.52           | -1727.71      | -8757.10     | 644870.80            | 494130.46             | 32°21'27.387"N | 103°51'51.021"W | 0.00             |                      |
| 16030.00†                                                          | 90.469             | 269.854        | 7290.09     | 8996.88           | -1727.97      | -8857.09     | 644770.81            | 494130.20             | 32°21'27.388"N | 103°51'52.186"W | 0.00             |                      |
| 16130.00†                                                          | 90.469             | 269.854        | 7289.27     | 9096.25           | -1728.22      | -8957.09     | 644670.82            | 494129.95             | 32°21'27.390"N | 103°51'53.352"W | 0.00             |                      |



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| REFERENCE WELLPATH IDENTIFICATION |                       |  |  |  |  |  |          |                 |  |  |  |
|-----------------------------------|-----------------------|--|--|--|--|--|----------|-----------------|--|--|--|
| Operator                          | BOPCO, L.P.           |  |  |  |  |  | Slot     | JRU No.139H SHL |  |  |  |
| Area                              | Eddy County, NM       |  |  |  |  |  | Well     | JRU No.139H     |  |  |  |
| Field                             | JRU NAD27             |  |  |  |  |  | Wellbore | JRU No.139H PWB |  |  |  |
| Facility                          | (JRU) No.138 & No.139 |  |  |  |  |  |          |                 |  |  |  |

| WELLPATH DATA (242 stations) † = interpolated/extrapolated station |                    |                |             |                   |               |              |                      |                       |                |                 |                  |          |
|--------------------------------------------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|----------|
| MD<br>[ft]                                                         | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
| 16230.00†                                                          | 90.469             | 269.854        | 7288.45     | 9195.61           | -1728.48      | -9057.09     | 644570.83            | 494129.69             | 32°21'27.392"N | 103°51'54.518"W | 0.00             |          |
| 16330.00†                                                          | 90.469             | 269.854        | 7287.63     | 9294.98           | -1728.73      | -9157.08     | 644470.84            | 494129.44             | 32°21'27.394"N | 103°51'55.684"W | 0.00             |          |
| 16430.00†                                                          | 90.469             | 269.854        | 7286.81     | 9394.34           | -1728.99      | -9257.08     | 644370.85            | 494129.18             | 32°21'27.396"N | 103°51'56.849"W | 0.00             |          |
| 16530.00†                                                          | 90.469             | 269.854        | 7286.00     | 9493.71           | -1729.24      | -9357.08     | 644270.86            | 494128.93             | 32°21'27.397"N | 103°51'58.015"W | 0.00             |          |
| 16630.00†                                                          | 90.469             | 269.854        | 7285.18     | 9593.07           | -1729.50      | -9457.07     | 644170.87            | 494128.68             | 32°21'27.399"N | 103°51'59.181"W | 0.00             |          |
| 16730.00†                                                          | 90.469             | 269.854        | 7284.36     | 9692.44           | -1729.75      | -9557.07     | 644070.88            | 494128.42             | 32°21'27.401"N | 103°52'00.346"W | 0.00             |          |
| 16830.00†                                                          | 90.469             | 269.854        | 7283.54     | 9791.80           | -1730.01      | -9657.06     | 643970.89            | 494128.17             | 32°21'27.403"N | 103°52'01.512"W | 0.00             |          |
| 16930.00†                                                          | 90.469             | 269.854        | 7282.72     | 9891.17           | -1730.26      | -9757.06     | 643870.90            | 494127.91             | 32°21'27.405"N | 103°52'02.678"W | 0.00             |          |
| 17030.00†                                                          | 90.469             | 269.854        | 7281.90     | 9990.53           | -1730.52      | -9857.06     | 643770.91            | 494127.66             | 32°21'27.406"N | 103°52'03.844"W | 0.00             |          |
| 17130.00†                                                          | 90.469             | 269.854        | 7281.08     | 10089.90          | -1730.77      | -9957.05     | 643670.92            | 494127.40             | 32°21'27.408"N | 103°52'05.009"W | 0.00             |          |
| 17230.00†                                                          | 90.469             | 269.854        | 7280.26     | 10189.26          | -1731.03      | -10057.05    | 643570.93            | 494127.15             | 32°21'27.410"N | 103°52'06.175"W | 0.00             |          |
| 17330.00†                                                          | 90.469             | 269.854        | 7279.44     | 10288.62          | -1731.28      | -10157.05    | 643470.94            | 494126.89             | 32°21'27.412"N | 103°52'07.341"W | 0.00             |          |
| 17430.00†                                                          | 90.469             | 269.854        | 7278.62     | 10387.99          | -1731.54      | -10257.04    | 643370.95            | 494126.64             | 32°21'27.414"N | 103°52'08.506"W | 0.00             |          |
| 17530.00†                                                          | 90.469             | 269.854        | 7277.81     | 10487.35          | -1731.79      | -10357.04    | 643270.96            | 494126.38             | 32°21'27.415"N | 103°52'09.672"W | 0.00             |          |
| 17630.00†                                                          | 90.469             | 269.854        | 7276.99     | 10586.72          | -1732.05      | -10457.03    | 643170.97            | 494126.13             | 32°21'27.417"N | 103°52'10.838"W | 0.00             |          |
| 17730.00†                                                          | 90.469             | 269.854        | 7276.17     | 10686.08          | -1732.30      | -10557.03    | 643070.98            | 494125.87             | 32°21'27.419"N | 103°52'12.004"W | 0.00             |          |
| 17830.00†                                                          | 90.469             | 269.854        | 7275.35     | 10785.45          | -1732.56      | -10657.03    | 642970.99            | 494125.62             | 32°21'27.421"N | 103°52'13.169"W | 0.00             |          |
| 17930.00†                                                          | 90.469             | 269.854        | 7274.53     | 10884.81          | -1732.81      | -10757.02    | 642871.00            | 494125.36             | 32°21'27.422"N | 103°52'14.335"W | 0.00             |          |
| 18030.00†                                                          | 90.469             | 269.854        | 7273.71     | 10984.18          | -1733.07      | -10857.02    | 642771.02            | 494125.11             | 32°21'27.424"N | 103°52'15.501"W | 0.00             |          |
| 18130.00†                                                          | 90.469             | 269.854        | 7272.89     | 11083.54          | -1733.32      | -10957.02    | 642671.03            | 494124.85             | 32°21'27.426"N | 103°52'16.666"W | 0.00             |          |
| 18230.00†                                                          | 90.469             | 269.854        | 7272.07     | 11182.91          | -1733.58      | -11057.01    | 642571.04            | 494124.60             | 32°21'27.428"N | 103°52'17.832"W | 0.00             |          |
| 18330.00†                                                          | 90.469             | 269.854        | 7271.25     | 11282.27          | -1733.83      | -11157.01    | 642471.05            | 494124.34             | 32°21'27.429"N | 103°52'18.998"W | 0.00             |          |
| 18430.00†                                                          | 90.469             | 269.854        | 7270.43     | 11381.64          | -1734.09      | -11257.01    | 642371.06            | 494124.09             | 32°21'27.431"N | 103°52'20.164"W | 0.00             |          |
| 18530.00†                                                          | 90.469             | 269.854        | 7269.62     | 11481.00          | -1734.34      | -11357.00    | 642271.07            | 494123.83             | 32°21'27.433"N | 103°52'21.329"W | 0.00             |          |
| 18630.00†                                                          | 90.469             | 269.854        | 7268.80     | 11580.37          | -1734.60      | -11457.00    | 642171.08            | 494123.58             | 32°21'27.435"N | 103°52'22.495"W | 0.00             |          |
| 18730.00†                                                          | 90.469             | 269.854        | 7267.98     | 11679.73          | -1734.85      | -11556.99    | 642071.09            | 494123.32             | 32°21'27.436"N | 103°52'23.661"W | 0.00             |          |
| 18830.00†                                                          | 90.469             | 269.854        | 7267.16     | 11779.10          | -1735.11      | -11656.99    | 641971.10            | 494123.07             | 32°21'27.438"N | 103°52'24.826"W | 0.00             |          |
| 18930.00†                                                          | 90.469             | 269.854        | 7266.34     | 11878.46          | -1735.36      | -11756.99    | 641871.11            | 494122.81             | 32°21'27.440"N | 103°52'25.992"W | 0.00             |          |
| 19030.00†                                                          | 90.469             | 269.854        | 7265.52     | 11977.83          | -1735.62      | -11856.98    | 641771.12            | 494122.56             | 32°21'27.441"N | 103°52'27.158"W | 0.00             |          |
| 19130.00†                                                          | 90.469             | 269.854        | 7264.70     | 12077.19          | -1735.87      | -11956.98    | 641671.13            | 494122.30             | 32°21'27.443"N | 103°52'28.324"W | 0.00             |          |
| 19230.00†                                                          | 90.469             | 269.854        | 7263.88     | 12176.56          | -1736.13      | -12056.98    | 641571.14            | 494122.05             | 32°21'27.445"N | 103°52'29.489"W | 0.00             |          |
| 19330.00†                                                          | 90.469             | 269.854        | 7263.06     | 12275.92          | -1736.38      | -12156.97    | 641471.15            | 494121.79             | 32°21'27.447"N | 103°52'30.655"W | 0.00             |          |
| 19430.00†                                                          | 90.469             | 269.854        | 7262.24     | 12375.29          | -1736.64      | -12256.97    | 641371.16            | 494121.54             | 32°21'27.448"N | 103°52'31.821"W | 0.00             |          |
| 19530.00†                                                          | 90.469             | 269.854        | 7261.43     | 12474.65          | -1736.89      | -12356.96    | 641271.17            | 494121.28             | 32°21'27.450"N | 103°52'32.986"W | 0.00             |          |
| 19630.00†                                                          | 90.469             | 269.854        | 7260.61     | 12574.02          | -1737.15      | -12456.96    | 641171.18            | 494121.03             | 32°21'27.452"N | 103°52'34.152"W | 0.00             |          |
| 19730.00†                                                          | 90.469             | 269.854        | 7259.79     | 12673.38          | -1737.40      | -12556.96    | 641071.19            | 494120.77             | 32°21'27.453"N | 103°52'35.318"W | 0.00             |          |
| 19830.00†                                                          | 90.469             | 269.854        | 7258.97     | 12772.75          | -1737.66      | -12656.95    | 640971.20            | 494120.52             | 32°21'27.455"N | 103°52'36.484"W | 0.00             |          |
| 19930.00†                                                          | 90.469             | 269.854        | 7258.15     | 12872.11          | -1737.91      | -12756.95    | 640871.21            | 494120.26             | 32°21'27.457"N | 103°52'37.649"W | 0.00             |          |
| 20030.00†                                                          | 90.469             | 269.854        | 7257.33     | 12971.48          | -1738.17      | -12856.95    | 640771.22            | 494120.01             | 32°21'27.458"N | 103°52'38.815"W | 0.00             |          |
| 20130.00†                                                          | 90.469             | 269.854        | 7256.51     | 13070.84          | -1738.42      | -12956.94    | 640671.23            | 494119.75             | 32°21'27.460"N | 103°52'39.981"W | 0.00             |          |
| 20230.00†                                                          | 90.469             | 269.854        | 7255.69     | 13170.21          | -1738.68      | -13056.94    | 640571.24            | 494119.50             | 32°21'27.462"N | 103°52'41.146"W | 0.00             |          |
| 20330.00†                                                          | 90.469             | 269.854        | 7254.87     | 13269.57          | -1738.93      | -13156.94    | 640471.25            | 494119.24             | 32°21'27.464"N | 103°52'42.312"W | 0.00             |          |
| 20430.00†                                                          | 90.469             | 269.854        | 7254.05     | 13368.94          | -1739.19      | -13256.93    | 640371.26            | 494118.99             | 32°21'27.465"N | 103°52'43.478"W | 0.00             |          |
| 20530.00†                                                          | 90.469             | 269.854        | 7253.23     | 13468.30          | -1739.44      | -13356.93    | 640271.27            | 494118.73             | 32°21'27.467"N | 103°52'44.644"W | 0.00             |          |
| 20630.00†                                                          | 90.469             | 269.854        | 7252.42     | 13567.67          | -1739.70      | -13456.92    | 640171.28            | 494118.48             | 32°21'27.469"N | 103°52'45.809"W | 0.00             |          |



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| REFERENCE WELLPATH IDENTIFICATION |                       |          |                 |
|-----------------------------------|-----------------------|----------|-----------------|
| Operator                          | BOPCO, L.P.           | Slot     | JRU No.139H SHL |
| Area                              | Eddy County, NM       | Well     | JRU No.139H     |
| Field                             | JRU NAD27             | Wellbore | JRU No.139H PWB |
| Facility                          | (JRU) No.138 & No.139 |          |                 |

| WELLPATH DATA (242 stations) = interpolated/extrapolated station |                    |                |             |                   |               |              |                      |                       |                |                 |                  |              |
|------------------------------------------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|--------------|
| MD<br>[ft]                                                       | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments     |
| 20730.00†                                                        | 90.469             | 269.854        | 7251.60     | 13667.03          | -1739.95      | -13556.92    | 640071.29            | 494118.22             | 32°21'27.470"N | 103°52'46.975"W | 0.00             |              |
| 20830.00†                                                        | 90.469             | 269.854        | 7250.78     | 13766.40          | -1740.21      | -13656.92    | 639971.30            | 494117.97             | 32°21'27.472"N | 103°52'48.141"W | 0.00             |              |
| 20930.00†                                                        | 90.469             | 269.854        | 7249.96     | 13865.76          | -1740.46      | -13756.91    | 639871.31            | 494117.71             | 32°21'27.474"N | 103°52'49.306"W | 0.00             |              |
| 21030.00†                                                        | 90.469             | 269.854        | 7249.14     | 13965.13          | -1740.72      | -13856.91    | 639771.32            | 494117.46             | 32°21'27.475"N | 103°52'50.472"W | 0.00             |              |
| 21130.00†                                                        | 90.469             | 269.854        | 7248.32     | 14064.49          | -1740.97      | -13956.91    | 639671.33            | 494117.20             | 32°21'27.477"N | 103°52'51.638"W | 0.00             |              |
| 21230.00†                                                        | 90.469             | 269.854        | 7247.50     | 14163.86          | -1741.23      | -14056.90    | 639571.34            | 494116.95             | 32°21'27.479"N | 103°52'52.804"W | 0.00             |              |
| 21330.00†                                                        | 90.469             | 269.854        | 7246.68     | 14263.22          | -1741.48      | -14156.90    | 639471.35            | 494116.69             | 32°21'27.480"N | 103°52'53.969"W | 0.00             |              |
| 21430.00†                                                        | 90.469             | 269.854        | 7245.86     | 14362.59          | -1741.74      | -14256.89    | 639371.36            | 494116.44             | 32°21'27.482"N | 103°52'55.135"W | 0.00             |              |
| 21530.00†                                                        | 90.469             | 269.854        | 7245.04     | 14461.95          | -1741.99      | -14356.89    | 639271.37            | 494116.18             | 32°21'27.484"N | 103°52'56.301"W | 0.00             |              |
| 21630.00†                                                        | 90.469             | 269.854        | 7244.23     | 14561.32          | -1742.25      | -14456.89    | 639171.38            | 494115.93             | 32°21'27.485"N | 103°52'57.466"W | 0.00             |              |
| 21730.00†                                                        | 90.469             | 269.854        | 7243.41     | 14660.68          | -1742.50      | -14556.88    | 639071.40            | 494115.67             | 32°21'27.487"N | 103°52'58.632"W | 0.00             |              |
| 21830.00†                                                        | 90.469             | 269.854        | 7242.59     | 14760.04          | -1742.76      | -14656.88    | 638971.41            | 494115.42             | 32°21'27.488"N | 103°52'59.798"W | 0.00             |              |
| 21930.00†                                                        | 90.469             | 269.854        | 7241.77     | 14859.41          | -1743.01      | -14756.88    | 638871.42            | 494115.16             | 32°21'27.490"N | 103°53'00.964"W | 0.00             |              |
| 22030.00†                                                        | 90.469             | 269.854        | 7240.95     | 14958.77          | -1743.27      | -14856.87    | 638771.43            | 494114.91             | 32°21'27.492"N | 103°53'02.129"W | 0.00             |              |
| 22130.00†                                                        | 90.469             | 269.854        | 7240.13     | 15058.14          | -1743.52      | -14956.87    | 638671.44            | 494114.65             | 32°21'27.493"N | 103°53'03.295"W | 0.00             |              |
| 22230.00†                                                        | 90.469             | 269.854        | 7239.31     | 15157.50          | -1743.78      | -15056.87    | 638571.45            | 494114.40             | 32°21'27.495"N | 103°53'04.461"W | 0.00             |              |
| 22268.05                                                         | 90.469             | 269.854        | 7239.00     | 15195.31          | -1743.87      | -15094.91    | 638533.40            | 494114.30             | 32°21'27.496"N | 103°53'04.904"W | 0.00             | No.139H PBHL |

| HOLE & CASING SECTIONS - Ref Wellbore: JRU No.139H PWB Ref Wellpath: Rev-B.0 |                  |                |                  |                   |                 |                   |                   |                 |                 |
|------------------------------------------------------------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| String/Diameter                                                              | Start MD<br>[ft] | End MD<br>[ft] | Interval<br>[ft] | Start TVD<br>[ft] | End TVD<br>[ft] | Start N/S<br>[ft] | Start E/W<br>[ft] | End N/S<br>[ft] | End E/W<br>[ft] |
| 8.75in Open Hole                                                             | 30.00            | 10292.00       | 10262.00         | 30.00             | 7337.09         | 0.00              | 0.00              | -1713.34        | -3119.30        |
| 7in Casing                                                                   | 30.00            | 10292.00       | 10262.00         | 30.00             | 7337.09         | 0.00              | 0.00              | -1713.34        | -3119.30        |



# Planned Wellpath Report

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| REFERENCE WELLPATH IDENTIFICATION |                       |          |                 |
|-----------------------------------|-----------------------|----------|-----------------|
| Operator                          | BOPCO, L.P.           | Slot     | JRU No.139H SHL |
| Area                              | Eddy County, NM       | Well     | JRU No.139H     |
| Field                             | JRU NAD27             | Wellbore | JRU No.139H PWB |
| Facility                          | (JRU) No.138 & No.139 |          |                 |

| TARGETS              |            |             |               |              |                      |                       |                |                 |       |
|----------------------|------------|-------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|-------|
| Name                 | MD<br>[ft] | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | Shape |
| 2) No.139H PBHL      | 22268.05   | 7239.00     | -1743.87      | -15094.91    | 638533.40            | 494114.30             | 32°21'27.496"N | 103°53'04.904"W | point |
| 1) No.139H Target #1 | 9558.15    | 7343.00     | -1711.47      | -2385.48     | 651242.00            | 494146.70             | 32°21'27.265"N | 103°50'36.743"W | point |

| SURVEY PROGRAM:- Ref Wellbore: JRU No.139H PWB Ref Wellpath: Rev-B.0 |                |                              |                  |                 |
|----------------------------------------------------------------------|----------------|------------------------------|------------------|-----------------|
| Start MD<br>[ft]                                                     | End MD<br>[ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore        |
| 30.00                                                                | 22268.05       | NaviTrak (Standard)          |                  | JRU No.139H PWB |