

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM105213

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
FULLY LOADED 12-1 FED COM 332H9. API Well No.
30-015-47576-00-X110. Field and Pool or Exploratory Area
CEDAR CANYON11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY

Contact: JENNY HARMS

Email: jennifer.harms@dev.com

3a. Address

6488 SEVEN RIVERS HIGHWAY
ARTESIA, NM 88210

3b. Phone No. (include area code)

Ph: 405-552-6560

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

Sec 12 T24S R29E SWNW 1656FNL 1243FWL
32.234871 N Lat, 103.942497 W Lon

12. CHECK THE 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"/> Hydraulic Fracturing	<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 APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

SHL/BHL

Devon Energy Production Co., L.P. (Devon) respectfully requests to move the SHL/BHL Please see attached revised C102, Drill plan, directional plan.

Permitted SHL: SWNW 1656 FNL, 1274 FWL, 12-24S-29E
Proposed SHL: SWNW, 1656 FNL, 1243 FWL, 12-24S-29EPermitted BHL: LOT 3, 20 FNL, 2310 FWL, 1-24S-29E
Proposed BHL: LOT 3, 20 FNL, 1650 FWL, 1-24S-29E

Entered - KMS NMOCD

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

**Electronic Submission #536416 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 11/04/2020 (21PP0467SE)**

Name (Printed/Typed) JENNY HARMS

Title REGULATORY COMPLIANCE ANALYST

Signature (Electronic Submission)

Date 11/04/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CODY LAYTON

Title ASSIST FIELD MANAGER LANDS MINERALS

Date 11/13/2020

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.

(Instructions on page 2)

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

Revisions to Operator-Submitted EC Data for Sundry Notice #536416

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM105213	NMNM105213
Agreement:		
Operator:	DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102 Ph: 405-552-6560	DEVON ENERGY PRODUCTION COMPAN 6488 SEVEN RIVERS HIGHWAY ARTESIA, NM 88210 Ph: 575.748.3371
Admin Contact:	JENNY HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560	JENNY HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560
Tech Contact:	JENNY HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560	JENNY HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PIERCE CROSSING; BS	CEDAR CANYON
Well/Facility:	FULLY LOADED 12-1 FED COM 332H Sec 12 T24S R29E 1656FNL 1274FWL	FULLY LOADED 12-1 FED COM 332H Sec 12 T24S R29E SWNW 1656FNL 1243FWL 32.234871 N Lat, 103.942497 W Lon

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

Submit one copy to
appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name FULLY LOADED 12-1 FED COM	⁶ Well Number 332H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3100.6'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	12	24-S	29-E		1656	NORTH	1243	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 3	1	24-S	29-E		20	NORTH	1650	WEST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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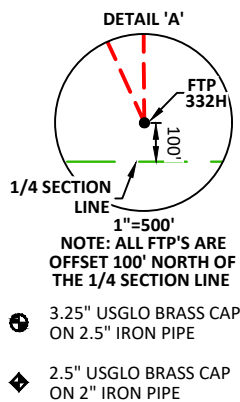
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

**¹⁶ FULLY LOADED
12-1 FED COM 332H**
ELEV: 3100.6'
LAT: 32.234873°
LON: -103.942597°
N: 449400.07
E: 662151.73

FIRST TAKE POINT
LAT: 32.232402°
LON: -103.941279°
N: 448502.85
E: 662562.55

LAST TAKE POINT
LAT: 32.253685°
LON: -103.941395°
N: 456245.10
E: 662498.50

BOTTOM HOLE LOCATION
LAT: 32.253905°
LON: -103.941396°
N: 456325.08
E: 662497.81



NOTES:

- BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 457834.965, EAST: 670241.029, ELEVATION: 2306.69, DETERMINED BY AN OPUS SOLUTION ON DECEMBER 3RD, 2018.
- DISTANCES DEPICTED HEREON ARE REPORTED AS GROUND DISTANCE IN US SURVEY FEET USING A COMBINED SCALE FACTOR OF 1.000221019
- ELEVATIONS ARE OF NAVD 88 COMPUTED USING GEIOD 12B.

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

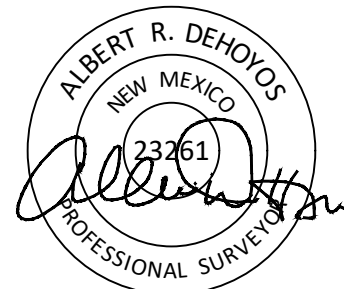
¹⁸ SURVEYOR CERTIFICATION

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

10/19/2020

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate No. 23261 Albert Dehoyos
Drawn by: JSP Checked by: ARD Date: 10/16/2020

Intent ☐ As Drilled ☐

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: FULLY LOADED 12-1 FED COM	Well Number 332H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	12	24-S	29-E		2552	NORTH	1650	WEST	EDDY
Latitude 32.232402°					Longitude -103.941279°				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
3	1	24-S	29-E		100	NORTH	1650	WEST	EDDY
Latitude 32.253685°					Longitude -103.941395°				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐

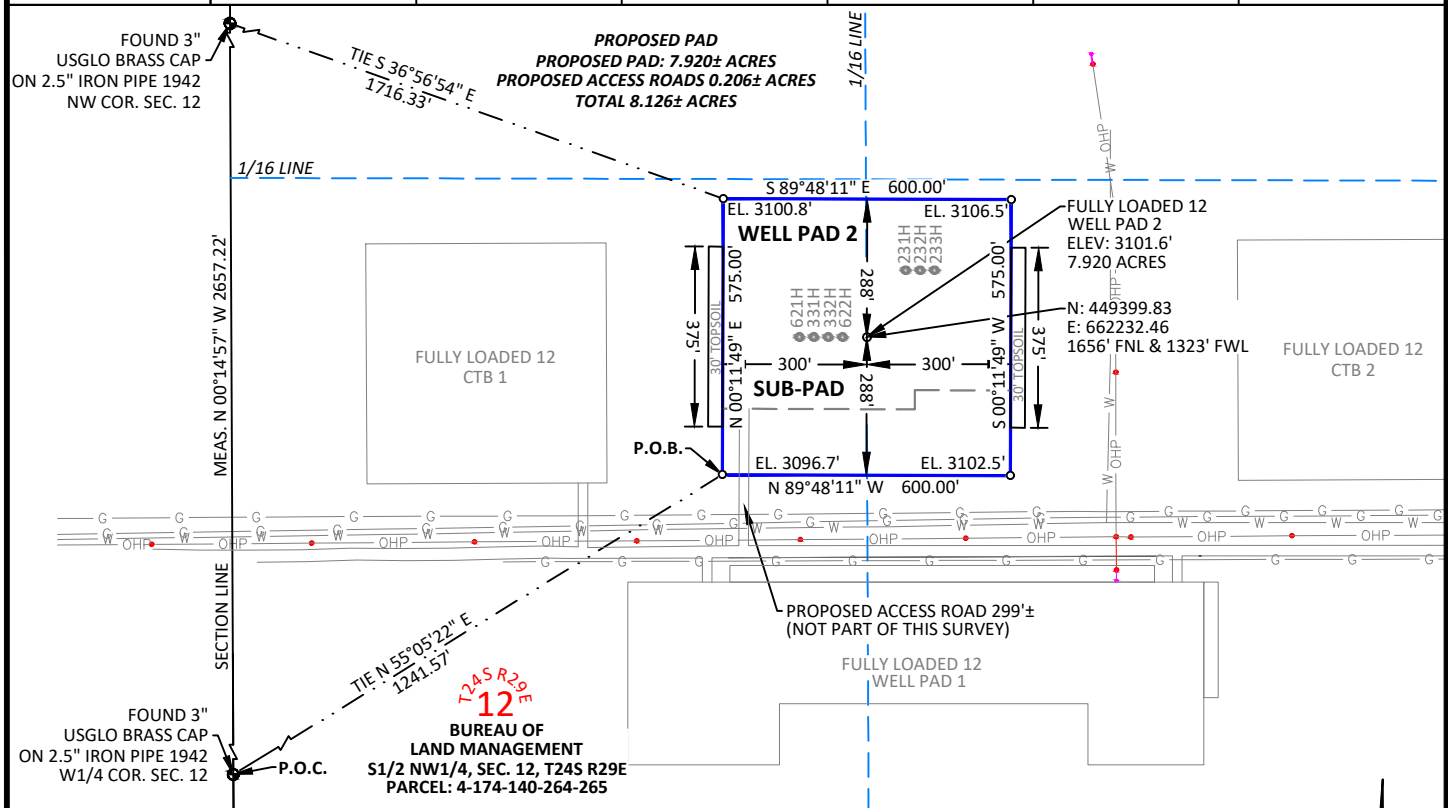
Is this well an infill well? ☐

If infill is yes provide API if available, Operator name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

FULLY LOADED 12-1 FED COM 231H 1516 FNL - 1405 FWL SEC. 12, T24S, R29E ELEV: 3102.8' N: 449539.55 E: 662312.94	FULLY LOADED 12-1 FED COM 232H 1516 FNL - 1435 FWL SEC. 12, T24S, R29E ELEV: 3102.6' N: 449539.45 E: 662342.94	FULLY LOADED 12-1 FED COM 233H 1516 FNL - 1465 FWL SEC. 12, T24S, R29E ELEV: 3103.2' N: 449539.34 E: 662372.94	FULLY LOADED 12-1 FED COM 621H 1656' FNL - 1183' FWL SEC. 12, T24S, R29E ELEV: 3100.0' N: 449400.31 E: 662092.00	FULLY LOADED 12-1 FED COM 331H 1656' FNL - 1213' FWL SEC. 12, T24S, R29E ELEV: 3100.1' N: 449400.20 E: 662122.00	FULLY LOADED 12-1 FED COM 332H 1656' FNL - 1243' FWL SEC. 12, T24S, R29E ELEV: 3100.6' N: 449400.10 E: 662152.00	FULLY LOADED 12-1 FED COM 622H 1656' FNL - 1273' FWL SEC. 12, T24S, R29E ELEV: 3101.2' N: 449400.00 E: 662182.00
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LEGAL DESCRIPTION:

A Surface Site Easement locate in the South Half (S1/2) of the Northwest Quarter (NW1/4) of Section 12, Township 24 South, Range 29 East, of the New Mexico Principal Meridian, Eddy county, State of New Mexico.

Commencing at the West Quarter corner of said Section 12 (P.O.C.) (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe); thence, North 55°05'22" East a distance of 1241.57 feet to the (P.O.B.) Point Of Beginning;

thence, North 00°11'49" East a distance of 575.00 feet to a point, said point being located South 36°56'54" East a distance of 1716.33 feet from the Northwest corner of said section 12 (Found 3" USGLO Brass Cap on a 2.5" Iron Pipe);

thence, South 89°48'11" East a distance of 600.00 feet;

thence, South 00°11'49" West a distance of 575.00 feet;

thence, North 89°48'11" West a distance of 600.00 feet to the (P.O.B.) Point of Beginning.

Said Surface Site Easement containing 7.920 Acres more or less.

DIRECTIONS:

FROM THE INTERSECTION OF MCDONALD ROAD AND GAVILAN ROAD PROCEED IN A NORTHEASTERLY DIRECTION ALONG GAVILAN ROAD A DISTANCE OF 3.6± MILES TO THE INTERSECTION OF GAVILAN ROAD AND A UNNAMED ACCESS ROAD TO THE WEST. MAKING A LEFT HAND TURN PROCEED IN A WESTERLY DIRECTION ALONG UNNAMED ACCESS ROAD A DISTANCE OF 1.7± MILES TO THE INTERSECTION OF UNNAMED ACCESS ROAD AND THE WELL PAD 2 ACCESS ROAD TO THE NORTH. MAKING A RIGHT HAND TURN PROCEED NORTH TO FULLY LOADED 12 WELL PAD 2.

NOTES:

1. BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 457834.965, EAST: 670241.029, ELEVATION: 3198.33, DETERMINED BY AN OPUS SOLUTION ON DECEMBER 3RD, 2018.
2. DISTANCES DEPICTED HEREON ARE REPORTED AS GRID DISTANCES IN US SURVEY FEET. USE A COMBINED SCALE FACTOR OF 1.000221019 FOR GROUND DISTANCES.

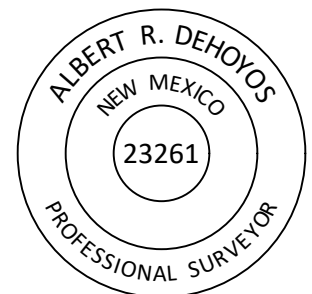
SURVEYOR STATEMENT:

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS EASEMENT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. IF ANY ALTERATIONS ARE MADE (HAND DRAWN, HANDWRITTEN OR DIGITAL ADDITIONS), THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.

Albert R. Dehoyos

ALBERT R. DEHOYOS NEW MEXICO PS No. 23261 DATE 07/30/2020

200 100 100
SCALE: 1" = 400'



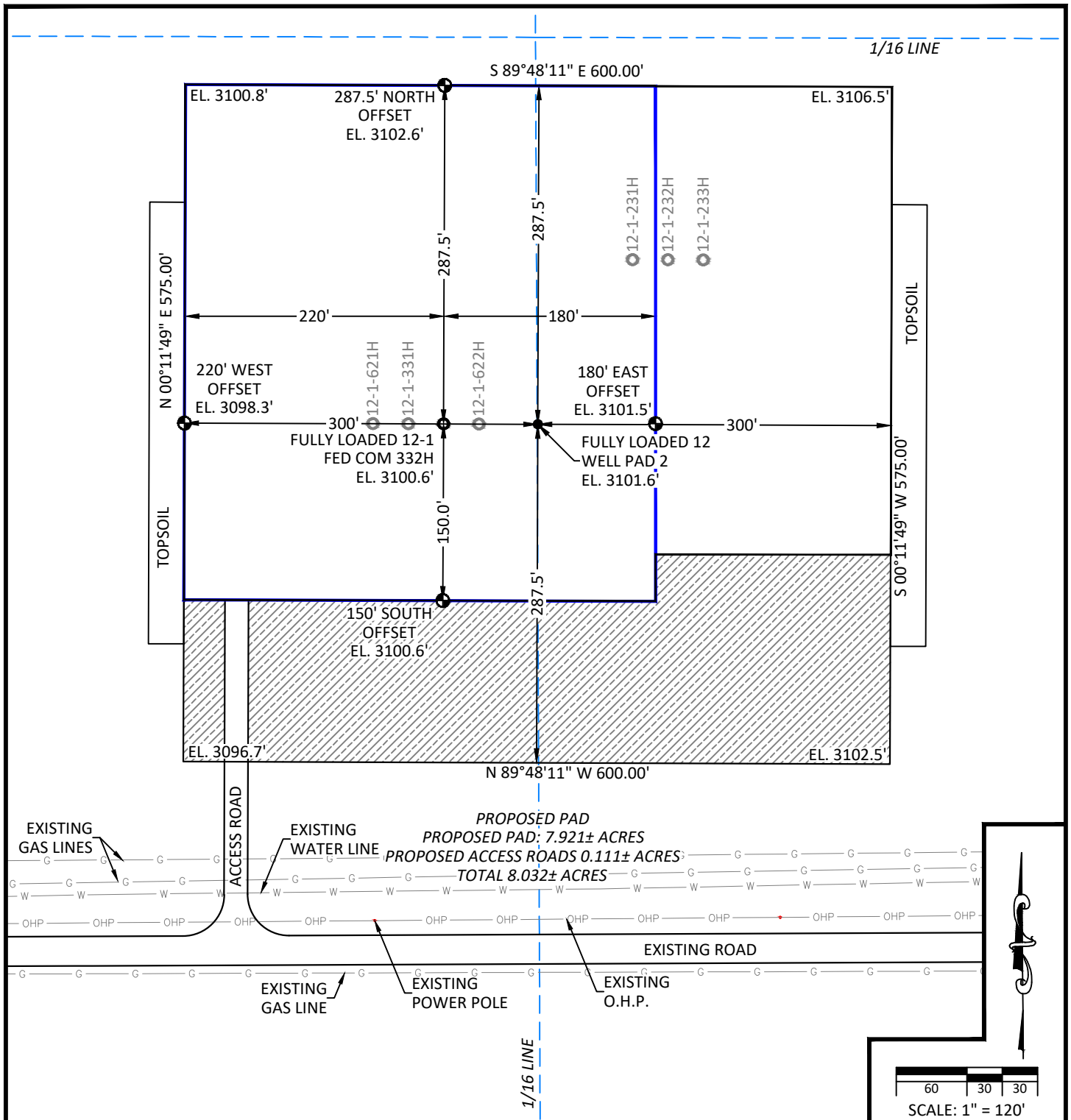
DRAWN BY: KGH CHECKED BY: ARD
DATE: 06/04/2020 JOB NO: 18080
REVISIONS: (7/20/2020 KGH) NEW BLM REQUIREMENTS
(10/16/2020 JEB) WELL LOCATIONS

DEVON ENERGY PRODUCTION, L.P. FULLY LOADED 12 WELL PAD 2

SURFACE SITE EASEMENT
ON THE PROPERTY OF
BUREAU OF LAND MANAGEMENT
S1/2 NW1/4, SECTION 12,
TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



ID: AA000400653



DIRECTIONS:

FROM THE INTERSECTION OF MCDONALDS ROAD AND GAVILAN ROAD PROCEED IN A NORTHEASTERLY DIRECTION ALONG GAVILAN ROAD A DISTANCE OF 3.6± MILES TO THE INTERSECTION OF GAVILAN ROAD AND A LEASE ROAD TO THE WEST. MAKING A LEFT HAND TURN PROCEED IN A WESTERLY DIRECTION ALONG LEASE ROAD A DISTANCE OF 1.7± MILES TO THE INTERSECTION OF LEASE ROAD AND THE FULLY LOADED 12 WELL PAD 2 ACCESS ROAD TO THE NORTH. MAKING A RIGHT HAND TURN PROCEED NORTHERLY FOR 161± FEET TO FULLY LOADED 12 WELL PAD 2.

NOTES:

1. BASIS OF BEARINGS, COORDINATES AND DISTANCES ARE STATE PLANE GRID, NAD 83, NEW MEXICO EAST (3001) WITH A CONVERGENCE ANGLE OF 0.19373333° AND A COMBINED SCALE FACTOR OF 0.999779070 BASED ON CONTROL POINT HILLTOP AT N. 456034.443' E. 653560.641'.

2. UNITS REPRESENTED ON THIS PLAT ARE IN US SURVEY FEET.

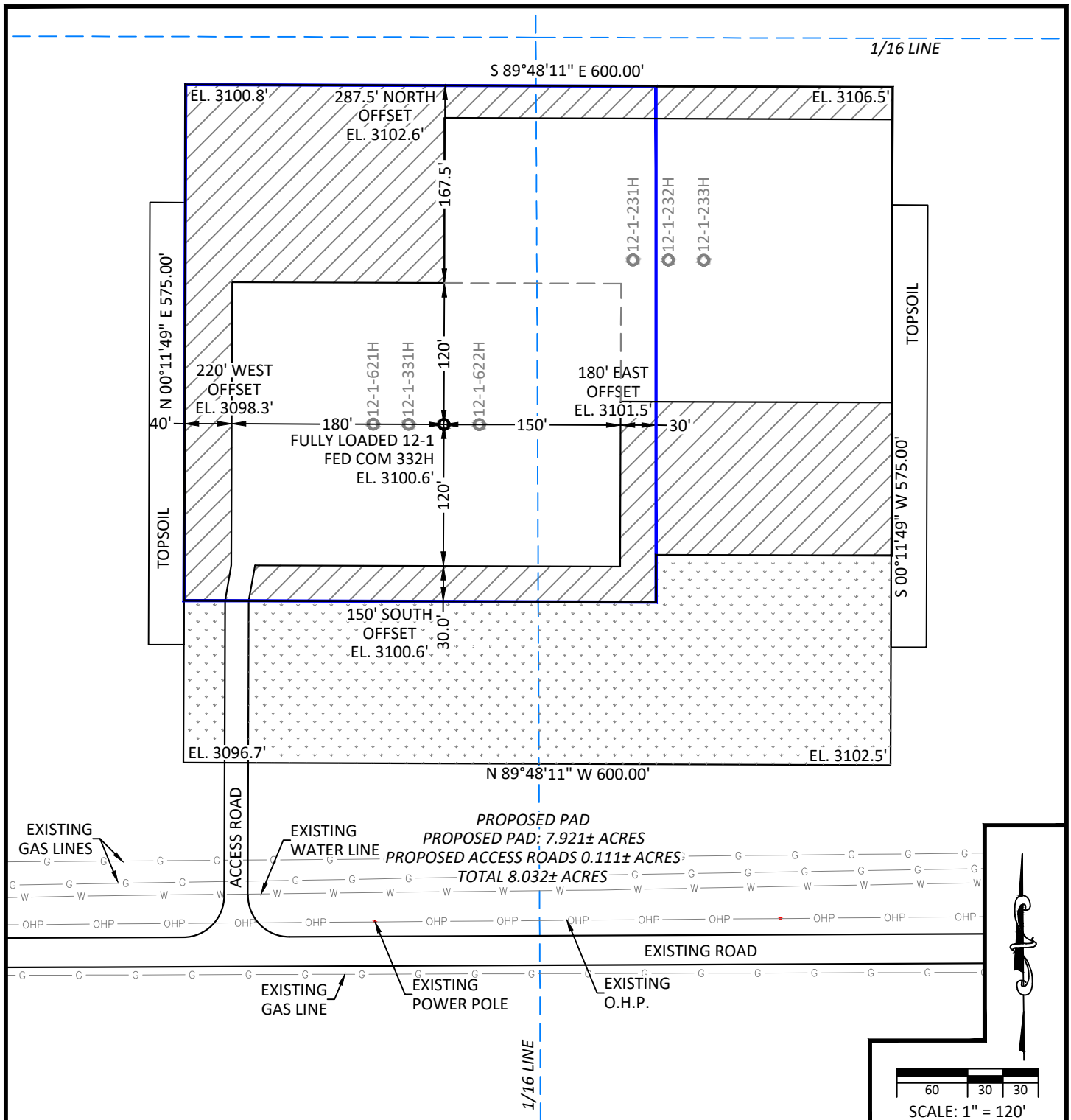


DRAWN BY: CED
 DATE: 05/18/2020
 REVISIONS: (10/16/2020 JEB) MOVE SHL

CHECKED BY: ARD
 JOB NO: 18080

SITE MAP
DEVON ENERGY PRODUCTION, L.P.
FULLY LOADED 12-1 FED COM 332H
 LOCATED 1656 FEET FROM THE NORTH LINE,
 AND 1244 FEET FROM THE WEST LINE,
 SECTION 12, TOWNSHIP 24 SOUTH
 RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO





DENOTES INTERIM PAD RECLAMATION AREA
 DENOTES GRADING SITE RECLAMATION AREA

2.262 ± ACRES INTERIM PAD RECLAMATION AREA
 2.014 ± ACRES GRADING SITE RECLAMATION AREA
 3.645 ± ACRES NON-RECLAIMED AREA
 7.921 ± ACRES TOTAL PAD AREA

NOTES:

1. BASIS OF BEARINGS, COORDINATES AND DISTANCES ARE STATE PLANE GRID, NAD 83, NEW MEXICO EAST (3001) WITH A CONVERGENCE ANGLE OF 0.19373333° AND A COMBINED SCALE FACTOR OF 0.999779070 BASED ON CONTROL POINT HILLTOP AT N. 456034.443' E. 653560.641'.
 2. UNITS REPRESENTED ON THIS PLAT ARE IN US SURVEY FEET.



DRAWN BY: CED
 DATE: 05/18/2020
 REVISIONS: (10/16/2020 JEB) MOVE SHL

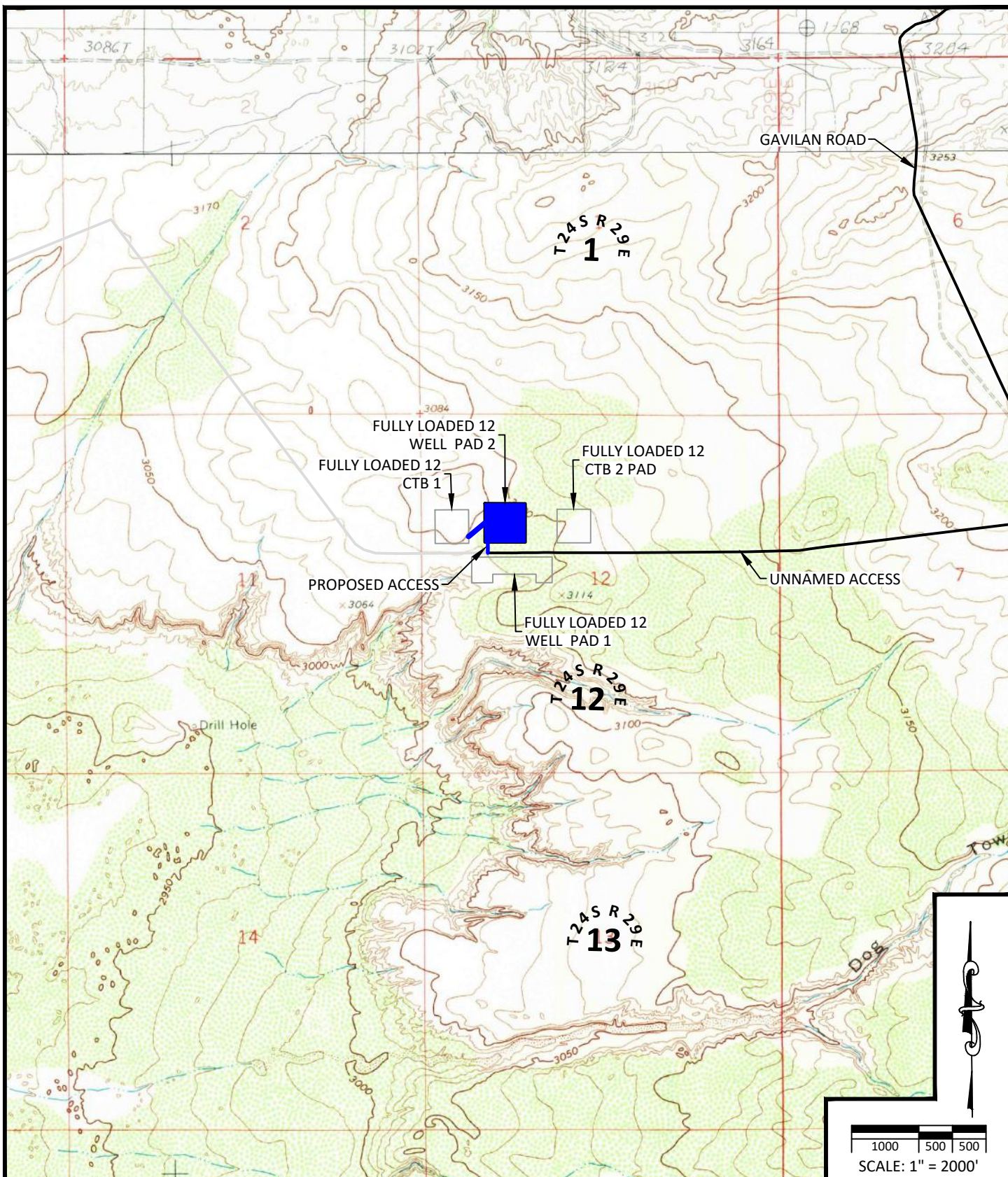
CHECKED BY: ARD
 JOB NO: 18080

INTERIM SITE BUILD PLAN
DEVON ENERGY PRODUCTION, L.P.

FULLY LOADED 12-1 FED COM 332H
 LOCATED 1656 FEET FROM THE NORTH LINE,
 AND 1244 FEET FROM THE WEST LINE,
 SECTION 12, TOWNSHIP 24 SOUTH
 RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO



ID NUMBER: WA017767048



WHS
 ENGINEERING > SURVEYING > PLANNING
 1515 9TH STREET, STE A, ROCK SPRINGS, WY 82901
 307.362.6065 | 866.938.3088 | www.whsmithpc.com

DRAWN BY: JSP
 DATE: 03/21/2019
 REVISIONS: (5/19/2020 KGH) ADDED WELL PAD 2

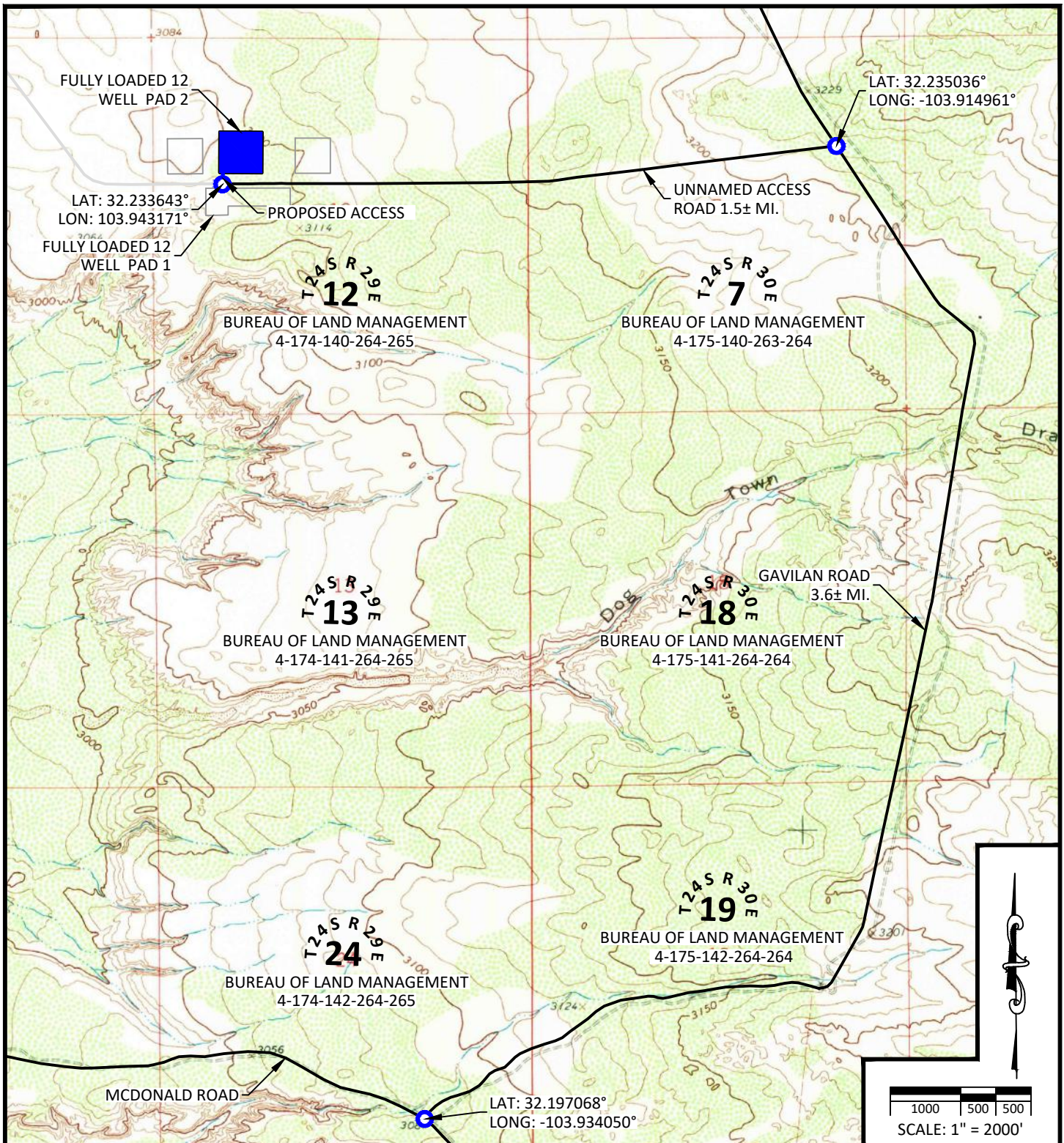
CHECKED BY: ARD
 JOB NO: 18080

LOCATION VERIFICATION MAP DEVON ENERGY PRODUCTION, L.P.

FULLY LOADED 12-1 FED COM 332H
 LOCATED 1656 FEET FROM THE NORTH LINE,
 AND 1243 FEET FROM THE WEST LINE,
 SECTION 12, TOWNSHIP 24 SOUTH
 RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

devon

ID: WA017767048



DIRECTIONS:

FROM THE INTERSECTION OF MCDONALD ROAD AND GAVILAN ROAD PROCEED IN A NORTHEASTERLY DIRECTION ALONG GAVILAN ROAD A DISTANCE OF 3.6± MILES TO THE INTERSECTION OF GAVILAN ROAD AND A UNNAMED ACCESS ROAD TO THE WEST. MAKING A LEFT HAND TURN PROCEED IN A WESTERLY DIRECTION ALONG UNNAMED ACCESS ROAD A DISTANCE OF 1.7± MILES TO THE INTERSECTION OF UNNAMED ACCESS ROAD AND THE WELL PAD 2 ACCESS ROAD TO THE NORTH. MAKING A RIGHT HAND TURN PROCEED NORTH TO FULLY LOADED 12 WELL PAD 2.

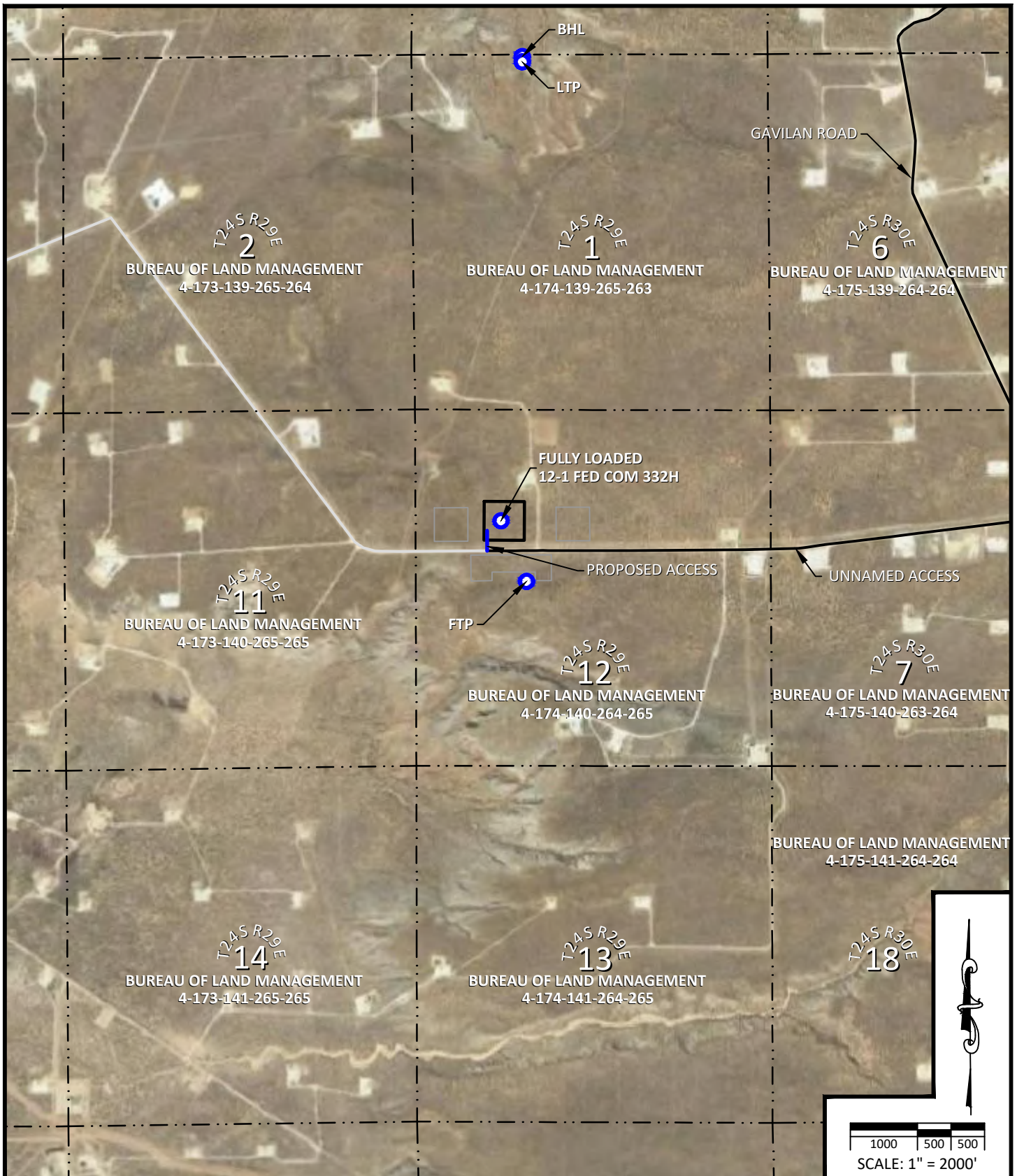


DRAWN BY: JSP	CHECKED BY: ARD
DATE: 03/21/2019	JOB NO: 18080
REVISIONS: (5/19/2020 KGH) ADDED WELL PAD 2	

VICINITY MAP
DEVON ENERGY PRODUCTION, L.P.
FULLY LOADED 12-1 FED COM 332H
LOCATED 1656 FEET FROM THE NORTH LINE,
AND 1243 FEET FROM THE WEST LINE,
SECTION 12, TOWNSHIP 24 SOUTH
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



ID: WA017767048



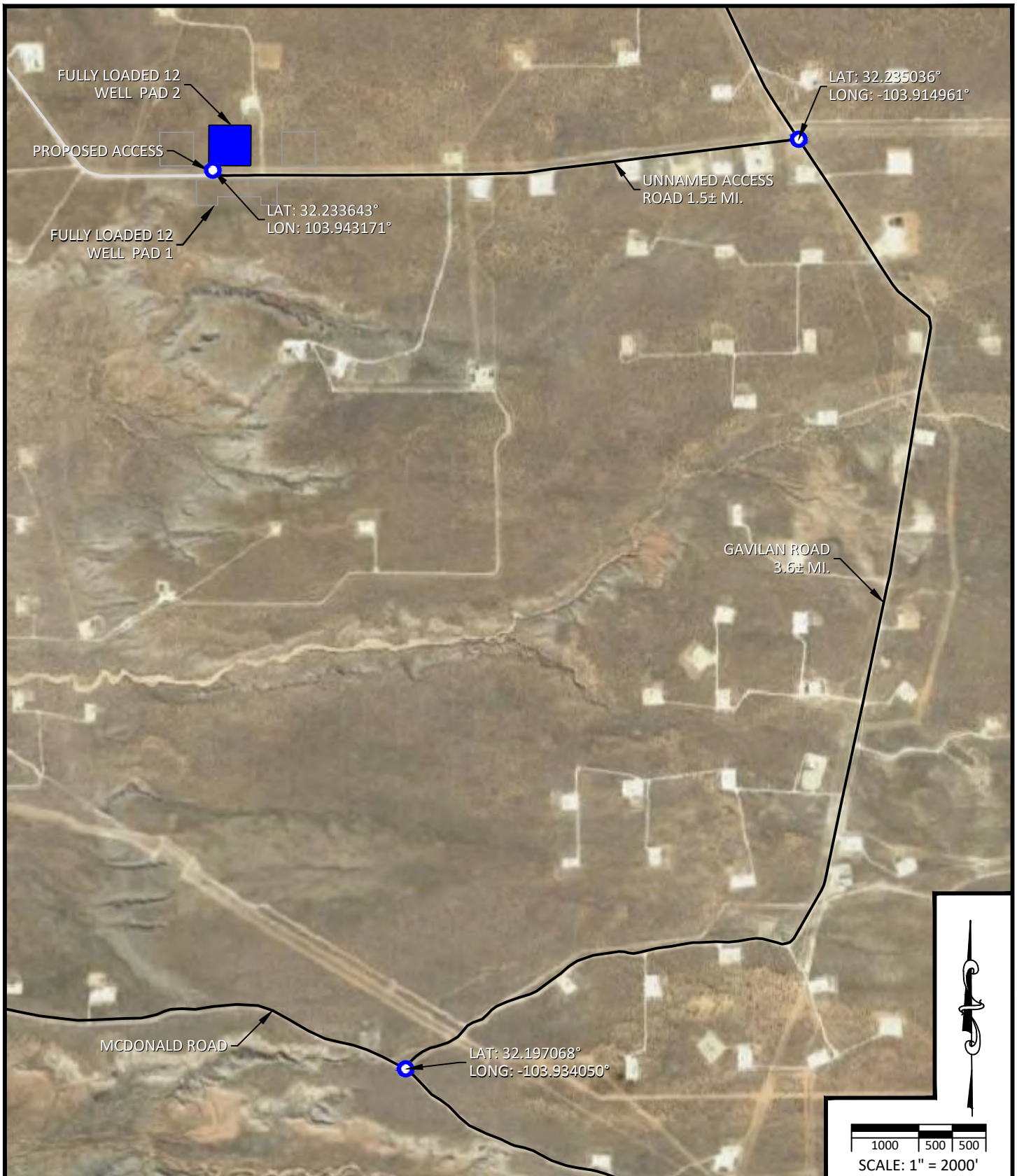
WHS
 ENGINEERING > SURVEYING > PLANNING
 1515 9TH STREET, STE A, ROCK SPRINGS, WY 82901
 307.362.6065 | 866.938.3088 | www.whsmithpc.com

DRAWN BY: JSP	CHECKED BY: ARD
DATE: 03/21/2019	JOB NO: 18080
REVISIONS: (5/19/2020 KGH) ADDED WELL PAD 2	

AERIAL PHOTO
DEVON ENERGY PRODUCTION, L.P.
FULLY LOADED 12-1 FED COM 332H
 LOCATED 1656 FEET FROM THE NORTH LINE,
 AND 1243 FEET FROM THE WEST LINE,
 SECTION 12, TOWNSHIP 24 SOUTH
 RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

devon

ID: WA017767048



WHS
ENGINEERING > SURVEYING > PLANNING
1515 9TH STREET, STE A, ROCK SPRINGS, WY 82901
307.362.6065 | 866.938.3088 | www.whsmithpc.com

DRAWN BY: JSP	CHECKED BY: ARD
DATE: 03/21/2019	JOB NO: 18080
REVISIONS: (5/19/2020 KGH) ADDED WELL PAD 2	

AERIAL ACCESS ROUTE MAP DEVON ENERGY PRODUCTION, L.P.

FULLY LOADED 12-1 FED COM 332H
LOCATED 1656 FEET FROM THE NORTH LINE,
AND 1243 FEET FROM THE WEST LINE,
SECTION 12, TOWNSHIP 24 SOUTH
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO


devon

ID: WA017767048

LEGAL DESCRIPTION
FOR
DEVON ENERGY PRODUCTION COMPANY, L.P.
BUREAU OF LAND MANAGEMENT

PROPOSED 30' ACCESS ROAD EASEMENT:

A strip of land located in the Southwest Quarter (SW1/4) of the Northwest Quarter (NW1/4) of Section 12, Township 24 South, Range 29 East, of the New Mexico Principal Meridian, Eddy county, State of New Mexico, being thirty feet (30') in width, lying fifteen feet (15') on each side of the following described centerline, being better described as follows;

Commencing at the West Quarter corner of said Section 12 (P.O.C.) (Found 3.25" USGLO Brass Cap on a 2.5" Iron Pipe); thence, North 62°40'26" East a distance of 1196.06 feet to the (P.O.B.) Point Of Beginning;

thence, North 00°11'49" East a distance of 298.84 feet to the (P.O.E.) Point of Ending, from which the Northwest corner of said Section 12 (Found 3.25" USGLO Brass Cap on a 2.5" Iron Pipe) bears North 30°43'15" West a distance of 2104.66 feet.

Said centerline being 298.84 feet or 18.11 rods in length and containing 0.206 Acres more or less.

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS EASEMENT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. IF ANY ALTERATIONS ARE MADE (HAND DRAWN, HANDWRITTEN OR DIGITAL ADDITIONS), THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.



ALBERT R. DEHOYOS NEW MEXICO PS No. 23261 07/30/2020 DATE



NOTES:

1. BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 457834.965, EAST: 670241.029, ELEVATION: 2306.69, DETERMINED BY AN OPUS SOLUTION ON DECEMBER 3RD, 2018.
2. DISTANCES DEPICTED HEREON ARE REPORTED AS GRID DISTANCES IN US SURVEY FEET. USE A COMBINED SCALE FACTOR OF 1.000221019 FOR GROUND DISTANCES.

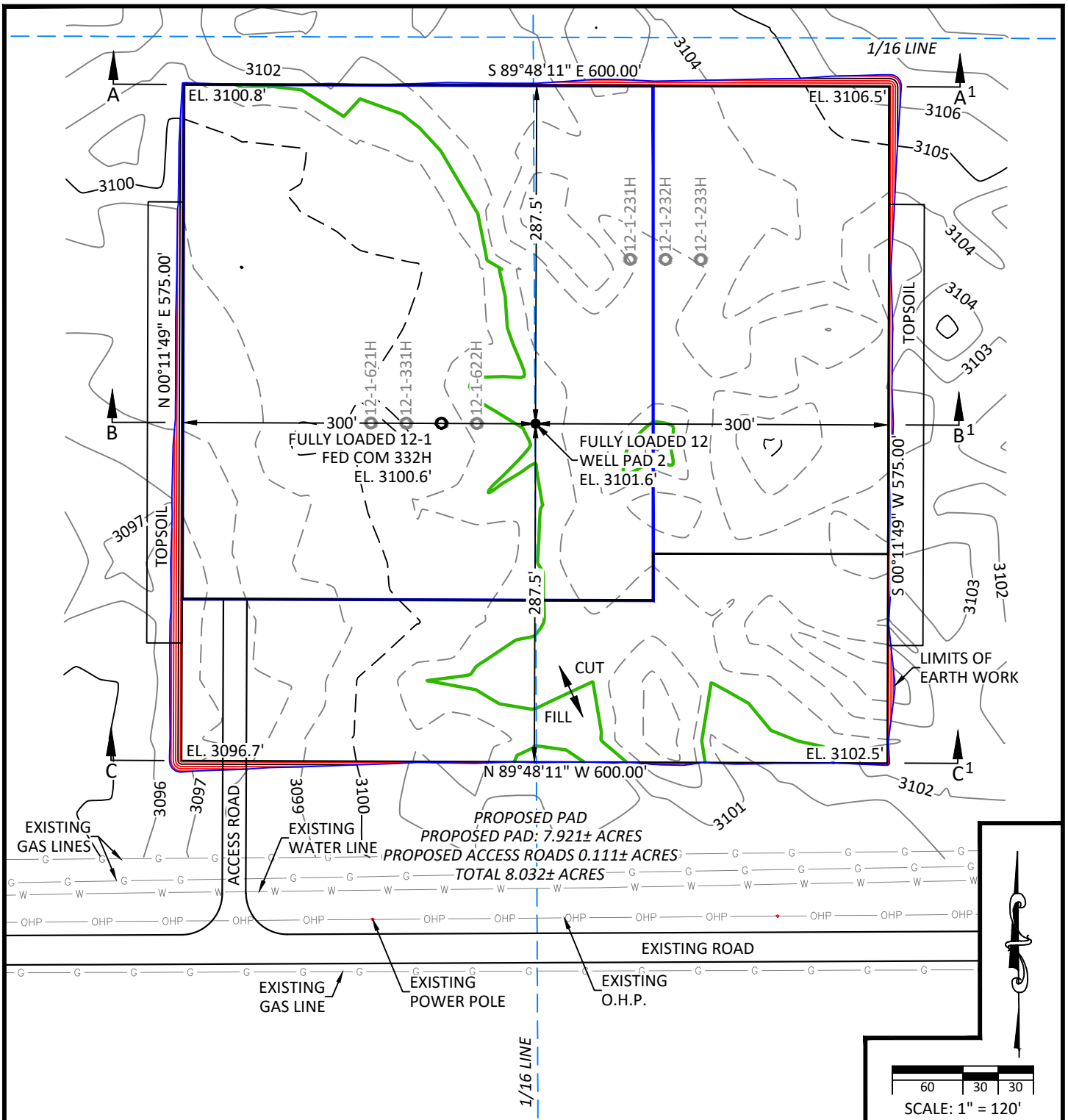


DRAWN BY: CED	CHECKED BY: ARD
DATE: 05/19/2020	JOB NO: 18080
REVISIONS: (5/20/2020 JEB) EXTEND TO INTERIM PAD (7/20/2020 KGH) TRIM AT SUB- PAD	

DEVON ENERGY PRODUCTION, L.P.
FULLY LOADED 12
WELL PAD 2 ACCESS EASEMENT
PROPOSED 30' EASEMENT ON THE PROPERTY OF
BUREAU OF LAND MANAGEMENT
SW1/4 NW1/4, SECTION 12,
TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



ID NUMBER: 7690105R



**EARTHWORK QUANTITIES FOR
FULLY LOADED 12 WELL PAD 2**

CUT	FILL	NET
10,181 CU. YDS.	10,181 CU. YDS.	0 CU. YDS.

EARTHWORK QUANTITIES ARE ESTIMATED

NOTES:

1. BASIS OF BEARINGS, COORDINATES AND DISTANCES ARE STATE PLANE GRID, NAD 83, NEW MEXICO EAST (3001) WITH A CONVERGENCE ANGLE OF 0.19373333° AND A COMBINED SCALE FACTOR OF 0.999779070 BASED ON CONTROL POINT HILLTOP AT N. 456034.443' E. 653560.641'.
2. UNITS REPRESENTED ON THIS PLAT ARE IN US SURVEY FEET.

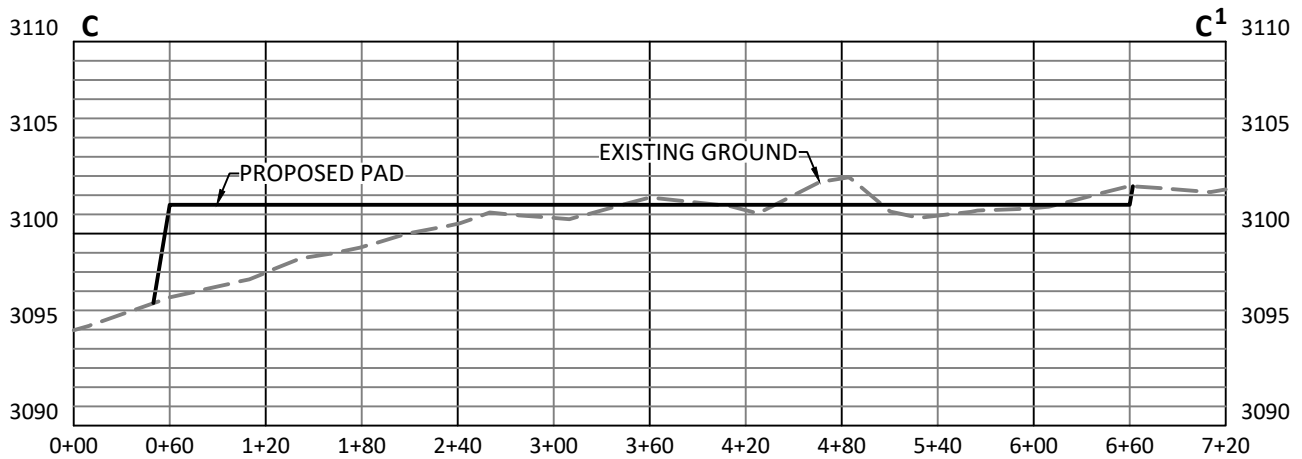
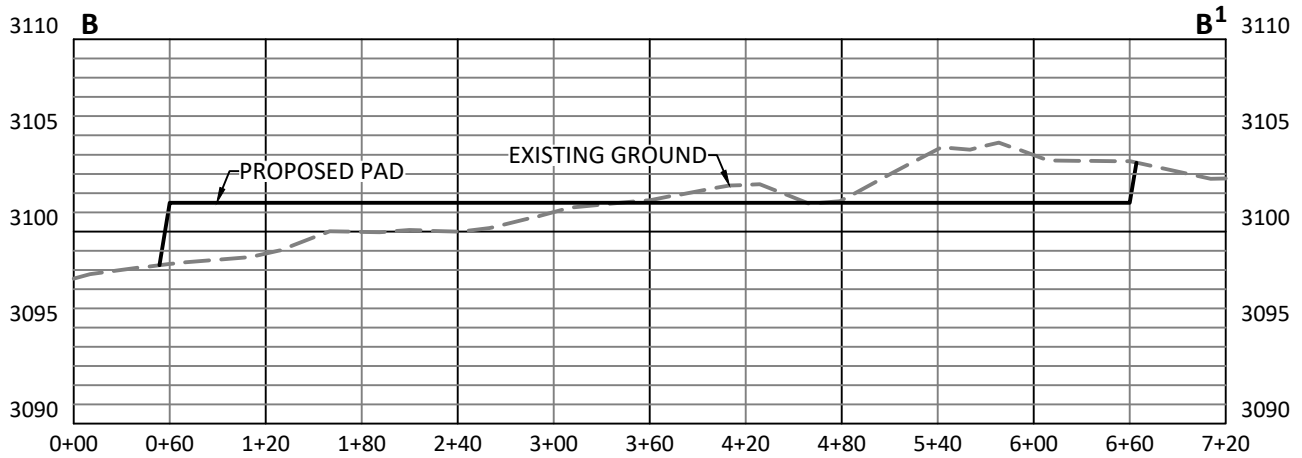
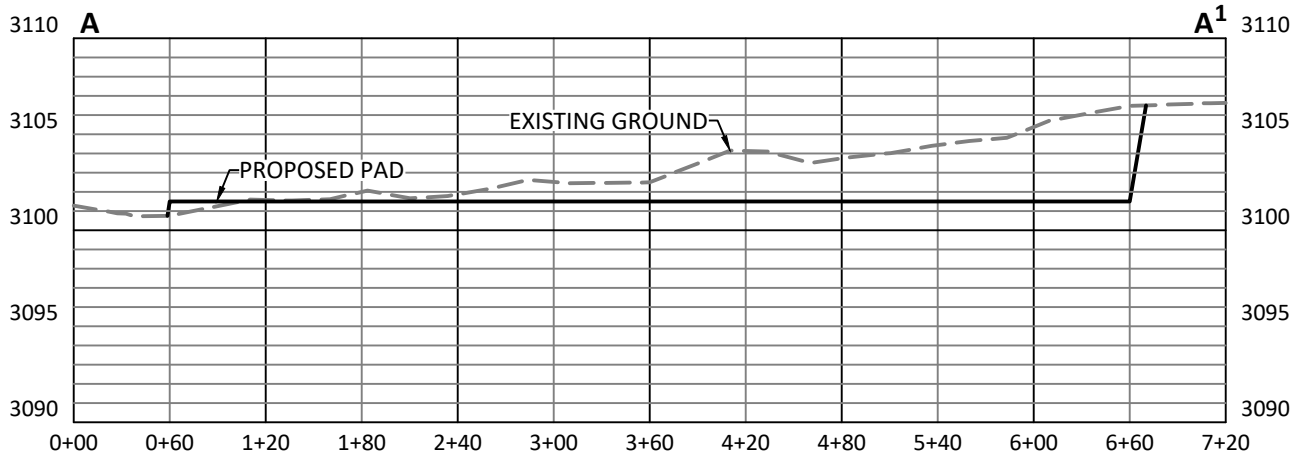


DRAWN BY: CED
 DATE: 05/18/2020
 REVISIONS: (10/16/2020 JEB) MOVE SHL

CHECKED BY: ARD
 JOB NO: 18080

PLAN VIEW
DEVON ENERGY PRODUCTION, L.P.
FULLY LOADED 12-1 FED COM 332H
 LOCATED 1656 FEET FROM THE NORTH LINE,
 AND 1244 FEET FROM THE WEST LINE,
 SECTION 12, TOWNSHIP 24 SOUTH
 RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

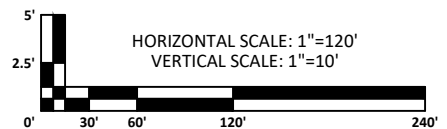




**EARTHWORK QUANTITIES FOR
FULLY LOADED 12 WELL PAD 2**

CUT	FILL	NET
10,181 CU. YDS.	10,181 CU. YDS.	0 CU. YDS.

EARTHWORK QUANTITIES ARE ESTIMATED



DRAWN BY: CED
DATE: 05/18/2020
REVISIONS: (10/16/2020 JEB) MOVE SHL

CHECKED BY: ARD
JOB NO: 18080

CROSS SECTIONS
DEVON ENERGY PRODUCTION, L.P.
FULLY LOADED 12-1 FED COM 332H
LOCATED 1656 FEET FROM THE NORTH LINE,
AND 1244 FEET FROM THE WEST LINE,
SECTION 12, TOWNSHIP 24 SOUTH
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



1. Geologic Formations

TVD of target	10322	Pilot hole depth	N/A
MD at TD:	18060	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	358		
Salt	593		
Base of Salt	3093		
Lamar	3093		
Bell Canyon	3328		
Cherry Canyon	4188		
Brushy Canyon	5768		
1st Bone Spring Lime	7008		
1st Bone Spring Sand	8043		
Bone Spring 2nd	8718		
3rd Bone Spring Lime	9168		
Bone Spring 3rd	9963		

*H₂S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program (Primary Design)

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
17 1/2	13 3/8	48	H40	STC	0	383	0	383
9 7/8	8 5/8	32	P110	TLW	0	8743	0	8743
7 7/8	5 1/2	17	P110	BTC	0	18060	0	10322

• All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.

3. Cementing Program (Primary Design)

Casing	# Sks	TOC	Wt. ppg	Yld (ft3/sack)	Slurry Description
Surface	316	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	450	Surf	9	3.27	Lead: Class C Cement + additives
	67	4000' above	13.2	1.44	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	As Needed	Surf	13.2	1.44	Squeeze Lead: Class C Cement + additives
	450	Surf	9	3.27	Lead: Class C Cement + additives
	67	4000' above	13.2	1.44	Tail: Class H / C + additives
Production	94	8243	9	3.27	Lead: Class H / C + additives
	1086	9857	13.2	1.44	Tail: Class H / C + additives

Casing String	% Excess
Surface	50%
Intermediate 1	30%
Intermediate 1 (Two Stage)	25%
Prod	10%

4. Pressure Control Equipment (Three String Design)

BOP installed and tested before drilling which hole?		Size?	Min. Required WP	Type	✓	Tested to:
Int 1	13-58"	5M	Annular		X	50% of rated working pressure
			Blind Ram		X	5M
			Pipe Ram			
			Double Ram		X	
			Other*			
Production	13-5/8"	5M	Annular (5M)		X	50% of rated working pressure
			Blind Ram		X	5M
			Pipe Ram			
			Double Ram		X	
			Other*			
			Annular (5M)			
			Blind Ram			
			Pipe Ram			
			Double Ram			
			Other*			
N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.					
Y	A variance is requested to run a 5 M annular on a 10M system					

5. Mud Program (Three String Design)

Section	Type	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate	DBE / Cut Brine	10-10.5
Production	OBM	8.5-9

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
---	-----------------------------

6. Logging and Testing Procedures

Logging, Coring and Testing	
X	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain.
	Coring? If yes, explain.

Additional logs planned		Interval
	Resistivity	Int. shoe to KOP
	Density	Int. shoe to KOP
X	CBL	Production casing
X	Mud log	Intermediate shoe to TD
	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH pressure at deepest TVD	4831
Abnormal temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.

N	H ₂ S is present
Y	H ₂ S plan attached.

8. Other facets of operation

Is this a walking operation? Potentially

- 1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- 2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed

from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
 - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.,
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pa.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. A that time an approved BOP stack will be nipped up and tested on the wellhead before drilling operations commences on each well.
 - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments

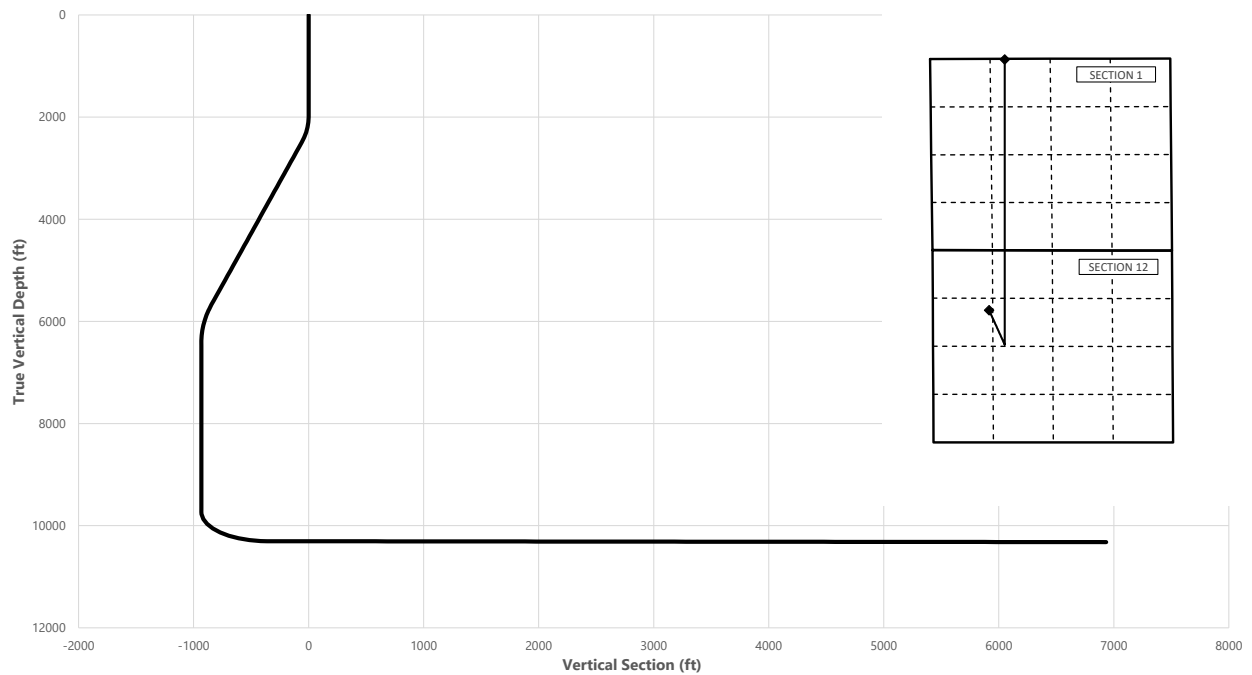
X Directional Plan
 Other, describe



Well: FULLY LOADED 12-1 FED COM 332H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
2000.00	0.00	160.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	15.00	160.00	2494.31	-61.15	22.26	-59.96	1.00	Hold Tangent
5780.97	15.00	160.00	5663.48	-859.12	312.69	-842.44	0.00	Drop to Vertical
6530.97	0.00	160.00	6404.95	-950.85	346.08	-932.39	2.00	Hold Vertical
9857.07	0.00	0.00	9731.04	-950.85	346.08	-932.39	0.00	KOP
10755.66	89.86	0.00	10304.00	-379.30	346.08	-361.55	10.00	Landing Point
18059.99	89.86	0.00	10322.00	6925.01	346.08	6933.65	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	0.00	0.00
Salt	593.00	593.00
Base of Salt	3119.81	3093.00
Lamar	3119.81	3093.00
Bell Canyon	3363.10	3328.00
Cherry Canyon	4253.44	4188.00
Brushy Canyon	5888.66	5768.00
1st Bone Spring Lime	7134.03	7008.00
1st Bone Spring Sand	8169.03	8043.00
Bone Spring 2nd	8844.03	8718.00
3rd Bone Spring Lime	9294.03	9168.00
Bone Spring 3rd / Point of Penetratic	10095.88	9963.00
EXIT	17979.99	10321.81

SHL
KOP
Point of Penetration
Exit
BHL

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.2348	-103.9427	1656' FNL, 1243' FWL of Sec 12 in T24S, R29E
9857.07	9731.04	32.2322	-103.9416	2605' FNL, 1650' FWL of Sec 12 in T24S, R29E
10095.88	9963.00	32.2324	-103.9413	2552' FNL, 1650' FWL of Sec 12 in T24S, R29E
17979.99	10321.81	32.2537	-103.9414	100' FNL, 1650' FWL of Sec 1 in T24S, R29E
18059.99	10322.00	32.2538	-103.9415	20' FNL, 1650' FWL of Sec 1 in T24S, R29E



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Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	VS	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	160.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	160.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	160.00	300.00	0.00	0.00	0.00	0.00	
358.00	0.00	160.00	358.00	0.00	0.00	0.00	0.00	Rustler
400.00	0.00	160.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	160.00	500.00	0.00	0.00	0.00	0.00	
593.00	0.00	160.00	593.00	0.00	0.00	0.00	0.00	Salt
600.00	0.00	160.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	160.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	160.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	160.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	160.00	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	160.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	160.00	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	160.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	160.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	160.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	160.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	160.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	160.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	160.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	160.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	3.00	160.00	2099.95	-2.46	0.90	-2.41	3.00	
2200.00	6.00	160.00	2199.63	-9.83	3.58	-9.64	3.00	
2300.00	9.00	160.00	2298.77	-22.10	8.04	-21.67	3.00	
2400.00	12.00	160.00	2397.08	-39.22	14.27	-38.46	3.00	
2500.00	15.00	160.00	2494.31	-61.15	22.26	-59.96	1.00	Hold Tangent
2600.00	15.00	160.00	2590.90	-85.47	31.11	-83.81	0.00	
2700.00	15.00	160.00	2687.49	-109.79	39.96	-107.66	0.00	
2800.00	15.00	160.00	2784.09	-134.12	48.81	-131.51	0.00	
2900.00	15.00	160.00	2880.68	-158.44	57.67	-155.36	0.00	
3000.00	15.00	160.00	2977.27	-182.76	66.52	-179.21	0.00	
3100.00	15.00	160.00	3073.86	-207.08	75.37	-203.06	0.00	
3119.81	15.00	160.00	3093.00	-211.90	77.12	-207.78	0.00	Base of Salt, Lamar
3200.00	15.00	160.00	3170.46	-231.40	84.22	-226.91	0.00	
3300.00	15.00	160.00	3267.05	-255.72	93.08	-250.76	0.00	
3363.10	15.00	160.00	3328.00	-271.07	98.66	-265.80	0.00	Bell Canyon
3400.00	15.00	160.00	3363.64	-280.04	101.93	-274.60	0.00	
3500.00	15.00	160.00	3460.23	-304.36	110.78	-298.45	0.00	
3600.00	15.00	160.00	3556.83	-328.68	119.63	-322.30	0.00	
3700.00	15.00	160.00	3653.42	-353.00	128.48	-346.15	0.00	
3800.00	15.00	160.00	3750.01	-377.33	137.34	-370.00	0.00	
3900.00	15.00	160.00	3846.60	-401.65	146.19	-393.85	0.00	
4000.00	15.00	160.00	3943.20	-425.97	155.04	-417.70	0.00	
4100.00	15.00	160.00	4039.79	-450.29	163.89	-441.55	0.00	
4200.00	15.00	160.00	4136.38	-474.61	172.74	-465.40	0.00	
4253.44	15.00	160.00	4188.00	-487.61	177.48	-478.14	0.00	Cherry Canyon
4300.00	15.00	160.00	4232.97	-498.93	181.60	-489.24	0.00	
4400.00	15.00	160.00	4329.57	-523.25	190.45	-513.09	0.00	
4500.00	15.00	160.00	4426.16	-547.57	199.30	-536.94	0.00	
4600.00	15.00	160.00	4522.75	-571.89	208.15	-560.79	0.00	
4700.00	15.00	160.00	4619.34	-596.21	217.01	-584.64	0.00	
4800.00	15.00	160.00	4715.94	-620.54	225.86	-608.49	0.00	
4900.00	15.00	160.00	4812.53	-644.86	234.71	-632.34	0.00	
5000.00	15.00	160.00	4909.12	-669.18	243.56	-656.19	0.00	
5100.00	15.00	160.00	5005.72	-693.50	252.41	-680.03	0.00	
5200.00	15.00	160.00	5102.31	-717.82	261.27	-703.88	0.00	
5300.00	15.00	160.00	5198.90	-742.14	270.12	-727.73	0.00	
5400.00	15.00	160.00	5295.49	-766.46	278.97	-751.58	0.00	
5500.00	15.00	160.00	5392.09	-790.78	287.82	-775.43	0.00	
5600.00	15.00	160.00	5488.68	-815.10	296.68	-799.28	0.00	
5700.00	15.00	160.00	5585.27	-839.42	305.53	-823.13	0.00	
5780.97	15.00	160.00	5663.48	-859.12	312.69	-842.44	0.00	Drop to Vertical
5800.00	14.62	160.00	5681.88	-863.69	314.36	-846.92	2.00	
5888.66	12.85	160.00	5768.00	-883.47	321.56	-866.31	2.00	Brushy Canyon
5900.00	12.62	160.00	5779.06	-885.81	322.41	-868.62	2.00	
6000.00	10.62	160.00	5877.01	-904.74	329.30	-887.18	2.00	
6100.00	8.62	160.00	5975.60	-920.44	335.01	-902.57	2.00	
6200.00	6.62	160.00	6074.71	-932.90	339.55	-914.79	2.00	



Well: FULLY LOADED 12-1 FED COM 332H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6300.00	4.62	160.00	6174.22	-942.10	342.90	-923.81	2.00	
6400.00	2.62	160.00	6274.02	-948.03	345.06	-929.63	2.00	
6500.00	0.62	160.00	6373.97	-950.69	346.02	-932.23	2.00	
6530.97	0.00	160.00	6404.95	-950.85	346.08	-932.39	2.00	Hold Vertical
6600.00	0.00	0.00	6473.97	-950.85	346.08	-932.39	0.00	
6700.00	0.00	0.00	6573.97	-950.85	346.08	-932.39	0.00	
6800.00	0.00	0.00	6673.97	-950.85	346.08	-932.39	0.00	
6900.00	0.00	0.00	6773.97	-950.85	346.08	-932.39	0.00	
7000.00	0.00	0.00	6873.97	-950.85	346.08	-932.39	0.00	
7100.00	0.00	0.00	6973.97	-950.85	346.08	-932.39	0.00	
7134.03	0.00	0.00	7008.00	-950.85	346.08	-932.39	0.00	1st Bone Spring Lime
7200.00	0.00	0.00	7073.97	-950.85	346.08	-932.39	0.00	
7300.00	0.00	0.00	7173.97	-950.85	346.08	-932.39	0.00	
7400.00	0.00	0.00	7273.97	-950.85	346.08	-932.39	0.00	
7500.00	0.00	0.00	7373.97	-950.85	346.08	-932.39	0.00	
7600.00	0.00	0.00	7473.97	-950.85	346.08	-932.39	0.00	
7700.00	0.00	0.00	7573.97	-950.85	346.08	-932.39	0.00	
7800.00	0.00	0.00	7673.97	-950.85	346.08	-932.39	0.00	
7900.00	0.00	0.00	7773.97	-950.85	346.08	-932.39	0.00	
8000.00	0.00	0.00	7873.97	-950.85	346.08	-932.39	0.00	
8100.00	0.00	0.00	7973.97	-950.85	346.08	-932.39	0.00	
8169.03	0.00	0.00	8043.00	-950.85	346.08	-932.39	0.00	1st Bone Spring Sand
8200.00	0.00	0.00	8073.97	-950.85	346.08	-932.39	0.00	
8300.00	0.00	0.00	8173.97	-950.85	346.08	-932.39	0.00	
8400.00	0.00	0.00	8273.97	-950.85	346.08	-932.39	0.00	
8500.00	0.00	0.00	8373.97	-950.85	346.08	-932.39	0.00	
8600.00	0.00	0.00	8473.97	-950.85	346.08	-932.39	0.00	
8700.00	0.00	0.00	8573.97	-950.85	346.08	-932.39	0.00	
8800.00	0.00	0.00	8673.97	-950.85	346.08	-932.39	0.00	
8844.03	0.00	0.00	8718.00	-950.85	346.08	-932.39	0.00	Bone Spring 2nd
8900.00	0.00	0.00	8773.97	-950.85	346.08	-932.39	0.00	
9000.00	0.00	0.00	8873.97	-950.85	346.08	-932.39	0.00	
9100.00	0.00	0.00	8973.97	-950.85	346.08	-932.39	0.00	
9200.00	0.00	0.00	9073.97	-950.85	346.08	-932.39	0.00	
9294.03	0.00	0.00	9168.00	-950.85	346.08	-932.39	0.00	3rd Bone Spring Lime
9300.00	0.00	0.00	9173.97	-950.85	346.08	-932.39	0.00	
9400.00	0.00	0.00	9273.97	-950.85	346.08	-932.39	0.00	
9500.00	0.00	0.00	9373.97	-950.85	346.08	-932.39	0.00	
9600.00	0.00	0.00	9473.97	-950.85	346.08	-932.39	0.00	
9700.00	0.00	0.00	9573.97	-950.85	346.08	-932.39	0.00	
9800.00	0.00	0.00	9673.97	-950.85	346.08	-932.39	0.00	
9857.07	0.00	0.00	9731.04	-950.85	346.08	-932.39	0.00	KOP
9900.00	4.29	0.00	9773.93	-949.24	346.08	-930.78	10.00	
10000.00	14.29	0.00	9872.50	-933.11	346.08	-914.67	10.00	
10095.88	23.88	0.00	9963.00	-901.79	346.08	-883.40	10.00	Bone Spring 3rd / Point of Penetration
10100.00	24.29	0.00	9966.76	-900.11	346.08	-881.72	10.00	
10200.00	34.29	0.00	10053.86	-851.25	346.08	-832.91	10.00	
10300.00	44.29	0.00	10131.16	-788.00	346.08	-769.74	10.00	
10400.00	54.29	0.00	10196.29	-712.29	346.08	-694.13	10.00	
10500.00	64.29	0.00	10247.29	-626.42	346.08	-608.37	10.00	
10600.00	74.29	0.00	10282.61	-533.00	346.08	-515.06	10.00	
10700.00	84.29	0.00	10301.16	-434.87	346.08	-417.05	10.00	
10755.66	89.86	0.00	10304.00	-379.30	346.08	-361.55	10.00	Landing Point
10800.00	89.86	0.00	10304.11	-334.96	346.08	-317.27	0.00	
10900.00	89.86	0.00	10304.36	-234.96	346.08	-217.39	0.00	
11000.00	89.86	0.00	10304.60	-134.96	346.08	-117.52	0.00	
11100.00	89.86	0.00	10304.85	-34.96	346.08	-17.64	0.00	
11200.00	89.86	0.00	10305.10	65.04	346.08	82.23	0.00	
11300.00	89.86	0.00	10305.34	165.04	346.08	182.11	0.00	
11400.00	89.86	0.00	10305.59	265.04	346.08	281.98	0.00	
11500.00	89.86	0.00	10305.84	365.04	346.08	381.86	0.00	
11600.00	89.86	0.00	10306.08	465.04	346.08	481.73	0.00	
11700.00	89.86	0.00	10306.33	565.04	346.08	581.61	0.00	
11800.00	89.86	0.00	10306.58	665.04	346.08	681.48	0.00	
11900.00	89.86	0.00	10306.82	765.04	346.08	781.36	0.00	
12000.00	89.86	0.00	10307.07	865.04	346.08	881.23	0.00	
12100.00	89.86	0.00	10307.31	965.04	346.08	981.11	0.00	
12200.00	89.86	0.00	10307.56	1065.04	346.08	1080.98	0.00	
12300.00	89.86	0.00	10307.81	1165.04	346.08	1180.86	0.00	
12400.00	89.86	0.00	10308.05	1265.04	346.08	1280.73	0.00	



Well: FULLY LOADED 12-1 FED COM 332H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1927
Ellipsoid: Clarke 1866
Zone: 3001 - NM East (NAD83)

MD (ft)	INC (")	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12500.00	89.86	0.00	10308.30	1365.04	346.08	1380.61	0.00	
12600.00	89.86	0.00	10308.55	1465.03	346.08	1480.48	0.00	
12700.00	89.86	0.00	10308.79	1565.03	346.08	1580.36	0.00	
12800.00	89.86	0.00	10309.04	1665.03	346.08	1680.23	0.00	
12900.00	89.86	0.00	10309.29	1765.03	346.08	1780.11	0.00	
13000.00	89.86	0.00	10309.53	1865.03	346.08	1879.98	0.00	
13100.00	89.86	0.00	10309.78	1965.03	346.08	1979.86	0.00	
13200.00	89.86	0.00	10310.03	2065.03	346.08	2079.73	0.00	
13300.00	89.86	0.00	10310.27	2165.03	346.08	2179.61	0.00	
13400.00	89.86	0.00	10310.52	2265.03	346.08	2279.48	0.00	
13500.00	89.86	0.00	10310.77	2365.03	346.08	2379.36	0.00	
13600.00	89.86	0.00	10311.01	2465.03	346.08	2479.23	0.00	
13700.00	89.86	0.00	10311.26	2565.03	346.08	2579.11	0.00	
13800.00	89.86	0.00	10311.51	2665.03	346.08	2678.98	0.00	
13900.00	89.86	0.00	10311.75	2765.03	346.08	2778.86	0.00	
14000.00	89.86	0.00	10312.00	2865.03	346.08	2878.73	0.00	
14100.00	89.86	0.00	10312.25	2965.03	346.08	2978.61	0.00	
14200.00	89.86	0.00	10312.49	3065.03	346.08	3078.48	0.00	
14300.00	89.86	0.00	10312.74	3165.03	346.08	3178.36	0.00	
14400.00	89.86	0.00	10312.99	3265.03	346.08	3278.23	0.00	
14500.00	89.86	0.00	10313.23	3365.03	346.08	3378.11	0.00	
14600.00	89.86	0.00	10313.48	3465.03	346.08	3477.98	0.00	
14700.00	89.86	0.00	10313.73	3565.03	346.08	3577.86	0.00	
14800.00	89.86	0.00	10313.97	3665.03	346.08	3677.73	0.00	
14900.00	89.86	0.00	10314.22	3765.03	346.08	3777.61	0.00	
15000.00	89.86	0.00	10314.47	3865.03	346.08	3877.48	0.00	
15100.00	89.86	0.00	10314.71	3965.03	346.08	3977.36	0.00	
15200.00	89.86	0.00	10314.96	4065.03	346.08	4077.23	0.00	
15300.00	89.86	0.00	10315.20	4165.03	346.08	4177.11	0.00	
15400.00	89.86	0.00	10315.45	4265.03	346.08	4276.98	0.00	
15500.00	89.86	0.00	10315.70	4365.03	346.08	4376.86	0.00	
15600.00	89.86	0.00	10315.94	4465.03	346.08	4476.73	0.00	
15700.00	89.86	0.00	10316.19	4565.03	346.08	4576.61	0.00	
15800.00	89.86	0.00	10316.44	4665.03	346.08	4676.48	0.00	
15900.00	89.86	0.00	10316.68	4765.02	346.08	4776.36	0.00	
16000.00	89.86	0.00	10316.93	4865.02	346.08	4876.23	0.00	
16100.00	89.86	0.00	10317.18	4965.02	346.08	4976.11	0.00	
16200.00	89.86	0.00	10317.42	5065.02	346.08	5075.98	0.00	
16300.00	89.86	0.00	10317.67	5165.02	346.08	5175.86	0.00	
16400.00	89.86	0.00	10317.92	5265.02	346.08	5275.73	0.00	
16500.00	89.86	0.00	10318.16	5365.02	346.08	5375.61	0.00	
16600.00	89.86	0.00	10318.41	5465.02	346.08	5475.48	0.00	
16700.00	89.86	0.00	10318.66	5565.02	346.08	5575.36	0.00	
16800.00	89.86	0.00	10318.90	5665.02	346.08	5675.24	0.00	
16900.00	89.86	0.00	10319.15	5765.02	346.08	5775.11	0.00	
17000.00	89.86	0.00	10319.40	5865.02	346.08	5874.99	0.00	
17100.00	89.86	0.00	10319.64	5965.02	346.08	5974.86	0.00	
17200.00	89.86	0.00	10319.89	6065.02	346.08	6074.74	0.00	
17300.00	89.86	0.00	10320.14	6165.02	346.08	6174.61	0.00	
17400.00	89.86	0.00	10320.38	6265.02	346.08	6274.49	0.00	
17500.00	89.86	0.00	10320.63	6365.02	346.08	6374.36	0.00	
17600.00	89.86	0.00	10320.88	6465.02	346.08	6474.24	0.00	
17700.00	89.86	0.00	10321.12	6565.02	346.08	6574.11	0.00	
17800.00	89.86	0.00	10321.37	6665.02	346.08	6673.99	0.00	
17900.00	89.86	0.00	10321.62	6765.02	346.08	6773.86	0.00	
17979.99	89.86	0.00	10321.81	6845.01	346.08	6853.75	0.00	EXIT
18000.00	89.86	0.00	10321.86	6865.02	346.08	6873.74	0.00	
18059.99	89.86	0.00	10322.00	6925.01	346.08	6933.65	0.00	BHL



Well: FULLY LOADED 12-1 FED COM 332H
County: Eddy
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Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	VS	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	