

Well Name: MR POTATO HEAD 11-14 FED COM	Well Location: T24S / R29E / SEC 11 / NWNW / 32.2384591 / -103.9603064	County or Parish/State: EDDY / NM
Well Number: 711H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM088134, NMNM88134	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546422	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

NMOCD - JAG

Notice of Intent

Sundry ID: 2505435

Type of Submission: Notice of Intent      Type of Action: Other

Date Sundry Submitted: 07/15/2021      Time Sundry Submitted: 12:32

Date proposed operation will begin: 07/14/2021

**Procedure Description:** Devon Energy Production Co., L.P. (Devon) respectfully requests to move the SHL/BHL on the subject well. Please see attached revised C102, Drill plan, directional plan. • Permitted SHL: (D) NWNW 11-24S-29E, 350 FNL, 1075 FWL • Proposed SHL: (D) NWNW 11-24S-29E, 350 FNL, 1045 FWL • Permitted BHL: (M) SWSW 14-24S-29E, 20 FSL, 990 FWL • Proposed BHL: (M) SWSW 14-24S-29E, 20 FSL, 330 FWL

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- WA017357937\_MR\_POTATO\_HEAD\_11\_14\_F\_C\_711H\_WL\_7\_15\_2021\_20210715123147.pdf
  - MR\_POTATO\_HEAD\_11\_14\_FED\_COM\_711H\_Directional\_Plan\_06\_21\_21\_20210715123146.pdf
  - MR\_POTATO\_HEAD\_11\_14\_FED\_COM\_711H\_20210715123145.pdf

<b>Well Name:</b> MR POTATO HEAD 11-14 FED COM	<b>Well Location:</b> T24S / R29E / SEC 11 / NWNW / 32.2384591 / -103.9603064	<b>County or Parish/State:</b> EDDY / NM
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<b>US Well Number:</b> 3001546422	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Additional Reviews

Mr\_Potato\_Head\_11\_14\_Fed\_Com\_711H\_Dr\_COA\_Sundry\_ID\_2505435\_20210803120814.pdf

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

<b>Operator Electronic Signature:</b> JENNY HARMS	<b>Signed on:</b> JUL 15, 2021 12:31 PM
<b>Name:</b> DEVON ENERGY PRODUCTION COMPANY LP	
<b>Title:</b> Regulatory Compliance Professional	
<b>Street Address:</b> 333 West Sheridan Avenue	
<b>City:</b> Oklahoma City	<b>State:</b> OK
<b>Phone:</b> (405) 552-6560	
<b>Email address:</b> jennifer.harms@dvn.com	

Field Representative

<b>Representative Name:</b>		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Phone:</b>		
<b>Email address:</b>		

BLM Point of Contact

<b>BLM POC Name:</b> CHRISTOPHER WALLS	<b>BLM POC Title:</b> Petroleum Engineer
<b>BLM POC Phone:</b> 5752342234	<b>BLM POC Email Address:</b> cwalls@blm.gov
<b>Disposition:</b> Approved	<b>Disposition Date:</b> 09/22/2021
<b>Signature:</b> Chris Walls	

**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

<sup>1</sup> API Number 30-015-46422		<sup>2</sup> Pool Code [98220]	<sup>3</sup> Pool Name PURPLE SAGE; WOLFCAMP (GAS)
<sup>4</sup> Property Code 326251	<sup>5</sup> Property Name MR POTATO HEAD 11-14 FED COM		<sup>6</sup> Well Number 711H
<sup>7</sup> OGRID No. 6137	<sup>8</sup> Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		<sup>9</sup> Elevation 3052.2

## <sup>10</sup> Surface Location

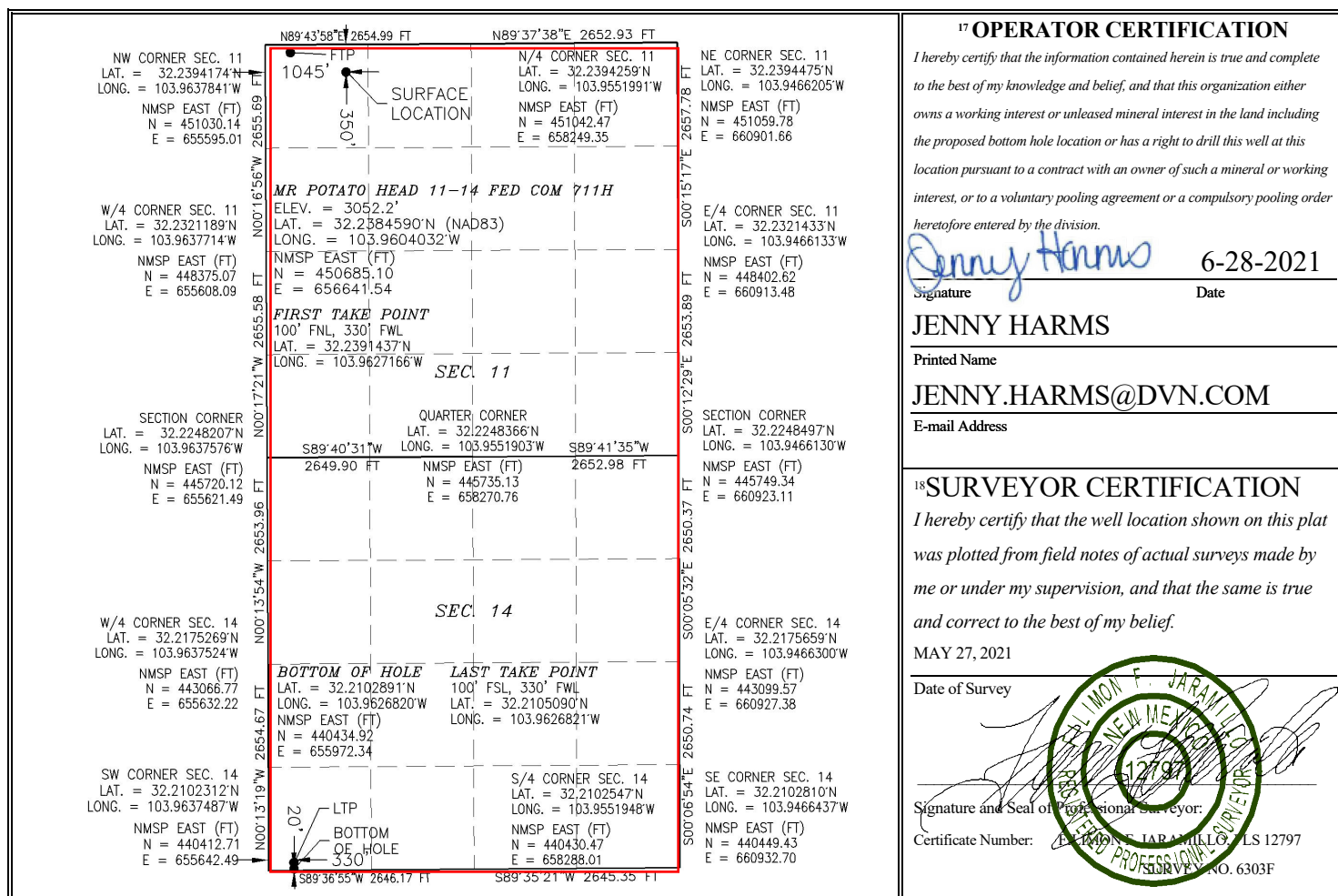
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>D</b>	<b>11</b>	<b>24 S</b>	<b>29 E</b>		<b>350</b>	<b>NORTH</b>	<b>1045</b>	<b>WEST</b>	<b>EDDY</b>

<sup>11</sup> 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
<b>M</b>	<b>14</b>	<b>24 S</b>	<b>29 E</b>		<b>20</b>	<b>SOUTH</b>	<b>330</b>	<b>WEST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres 1280	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.



Intent ☒ As Drilled ☐

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: MR POTATO HEAD 11-14 FED COM	Well Number 711H

## Kick Off Point (KOP)

UL	Section 11	Township 24S	Range 29E	Lot	Feet 53 FNL	From N/S	Feet 330 FWL	From E/W	County EDDY
Latitude 32.23917825					Longitude -103.96271657				NAD 83

## First Take Point (FTP)

UL D	Section 11	Township 24S	Range 29E	Lot	Feet 100	From N/S NORTH	Feet 330	From E/W WEST	County EDDY
Latitude 32.2391437					Longitude 103.9627166				NAD 83

## Last Take Point (LTP)

UL M	Section 14	Township 24S	Range 29E	Lot	Feet 100	From N/S SOUTH	Feet 330	From E/W WEST	County EDDY
Latitude 32.2105090					Longitude 103.9626821				NAD 83

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

☐ NO

Is this well an infill well?

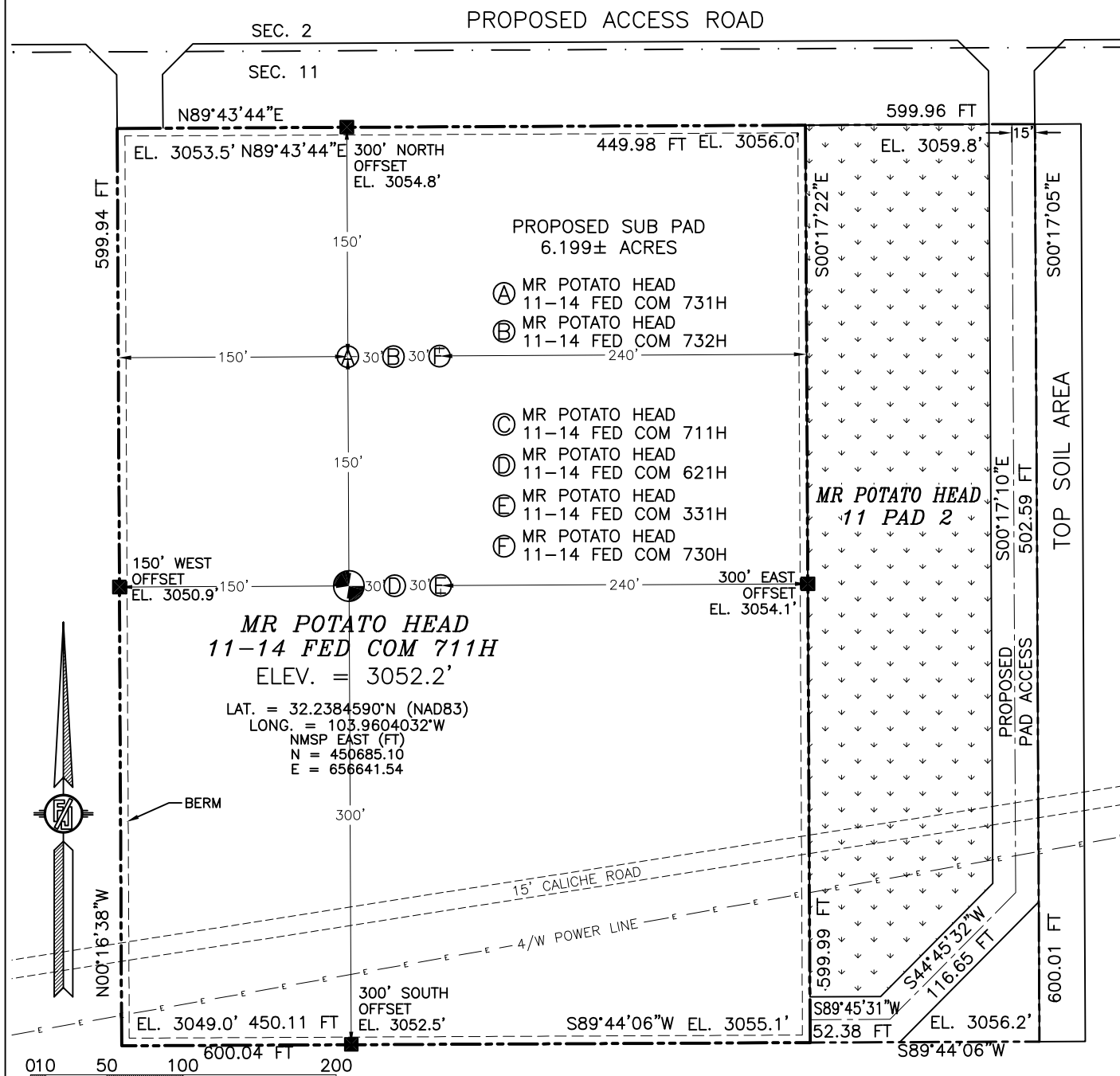
☐ YES

If infill is yes please 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

**SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
SITE MAP**



**MR POTATO HEAD  
11-14 FED COM 711H  
ELEV. = 3052.2'**

LAT. = 32.2384590°N (NAD83)  
LONG. = 103.9604032°W  
NMSP EAST (FT)  
N = 450685.10  
E = 656641.54

**DEVON ENERGY PRODUCTION COMPANY, L.P.  
MR POTATO HEAD 11-14 FED COM 711H  
LOCATED 350 FT. FROM THE NORTH LINE  
AND 1045 FT. FROM THE WEST LINE OF  
SECTION 11, TOWNSHIP 24 SOUTH,  
RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO**

MAY 27, 2021

SURVEY NO. 6303F

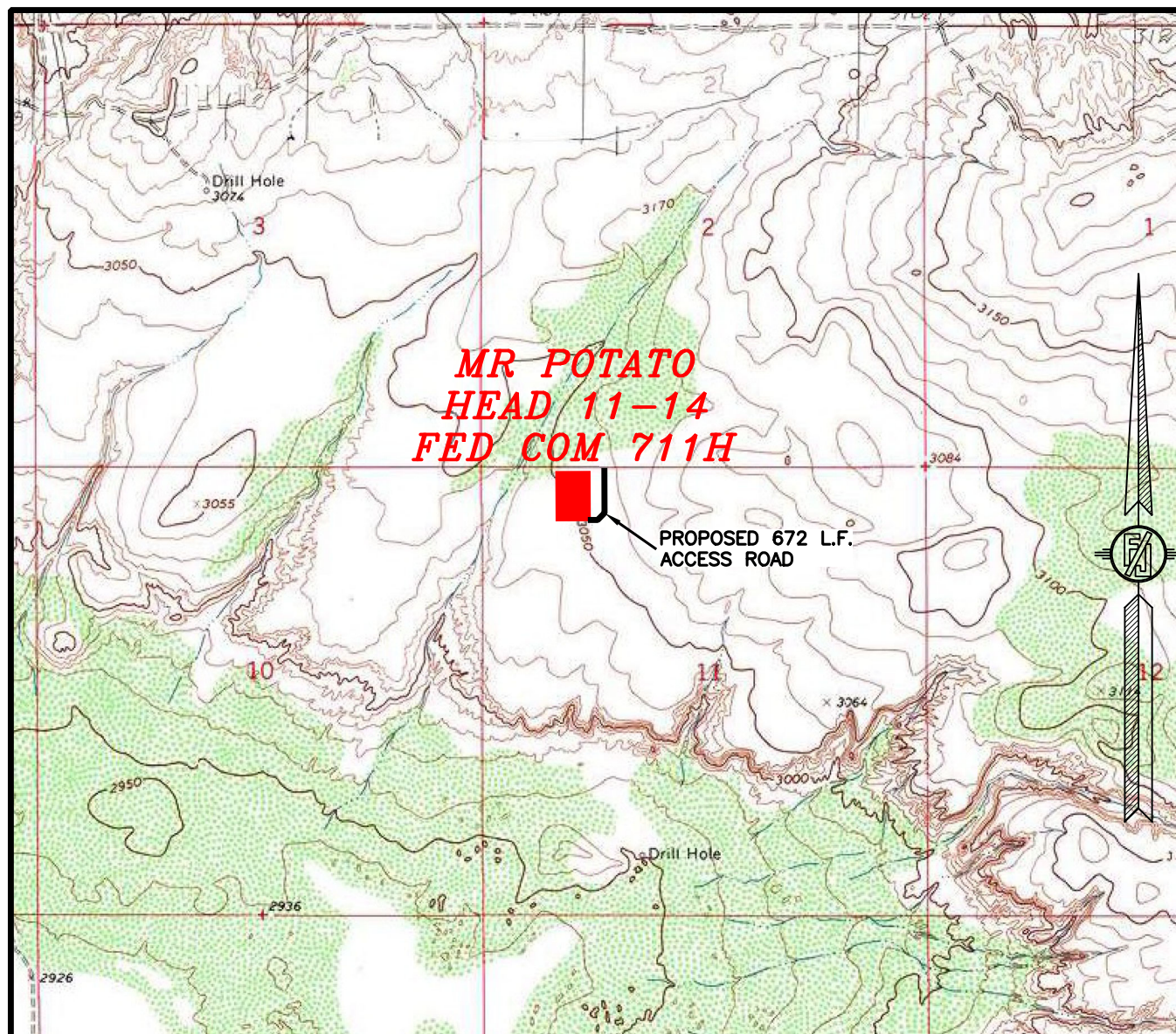
**MADRON PROFESSIONAL SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO**

(575) 234-3341

CARLSBAD, NEW MEXICO



SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 LOCATION VERIFICATION MAP



USGS QUAD MAP:  
 PIERCE CANYON

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.  
**MR POTATO HEAD 11-14 FED COM 711H**  
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 RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

MAY 27, 2021

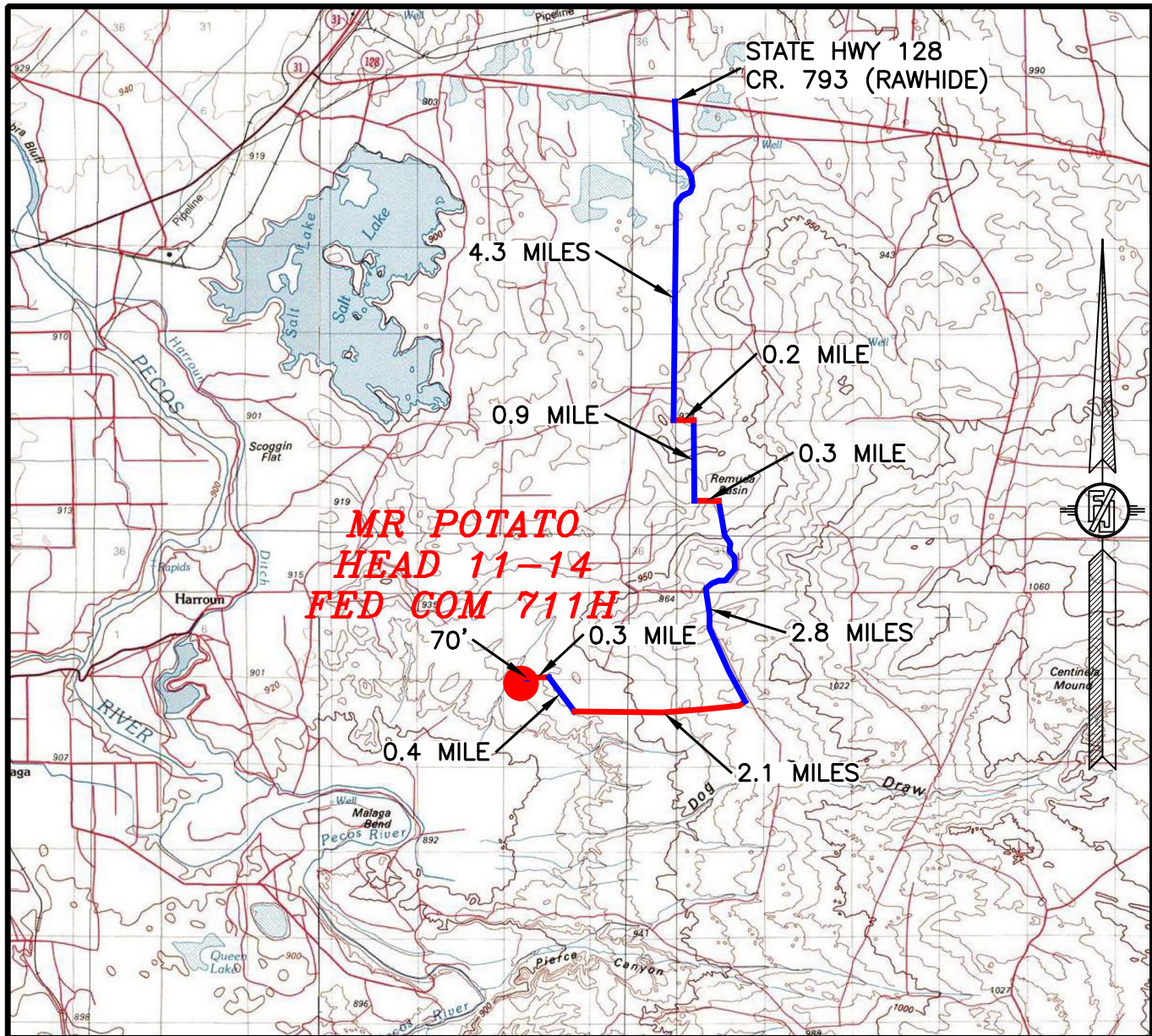
MADRON SURVEYING, INC.

301 SOUTH CANAL  
 (575) 234-3341

SURVEY NO. 6303F  
 CARLSBAD, NEW MEXICO



SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

**DIRECTIONS TO LOCATION**

DRIVING DIRECTIONS: FROM THE INTERSECTION OF STATE HIGHWAY 128 & CR 793 (RAWHIDE ROAD) GO SOUTH ON CR 793 APPROX. 4.3 MILES. ROAD TURNS LEFT (EAST) GO EAST 0.2 OF A MILE. TURN RIGHT (SOUTH) GO SOUTH 0.9 OF A MILE, TURN LEFT (EAST) GO EAST 0.3 OF A MILE, TURN RIGHT (SOUTH) GO SOUTH APPROX. 2.8 MILES, TURN RIGHT (WEST) GO WEST APPROX. 2.1 MILES, ROAD TURNS RIGHT (NORTHWEST) GO NORTHWEST 0.4 OF A MILE TO A ROAD LATH PAINTED RED ON LEFT (WEST) FOLLOW ROAD LATH WEST GO APPROX. 0.3 OF A MILE, TURN LEFT GO SOUTH 70' TO NORTHEAST PAD CORNER FOR THIS LOCATION.

**DEVON ENERGY PRODUCTION COMPANY, L.P.****MR POTATO HEAD 11-14 FED COM 711H**

LOCATED 350 FT. FROM THE NORTH LINE

AND 1045 FT. FROM THE WEST LINE OF

SECTION 11, TOWNSHIP 24 SOUTH,

RANGE 29 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO

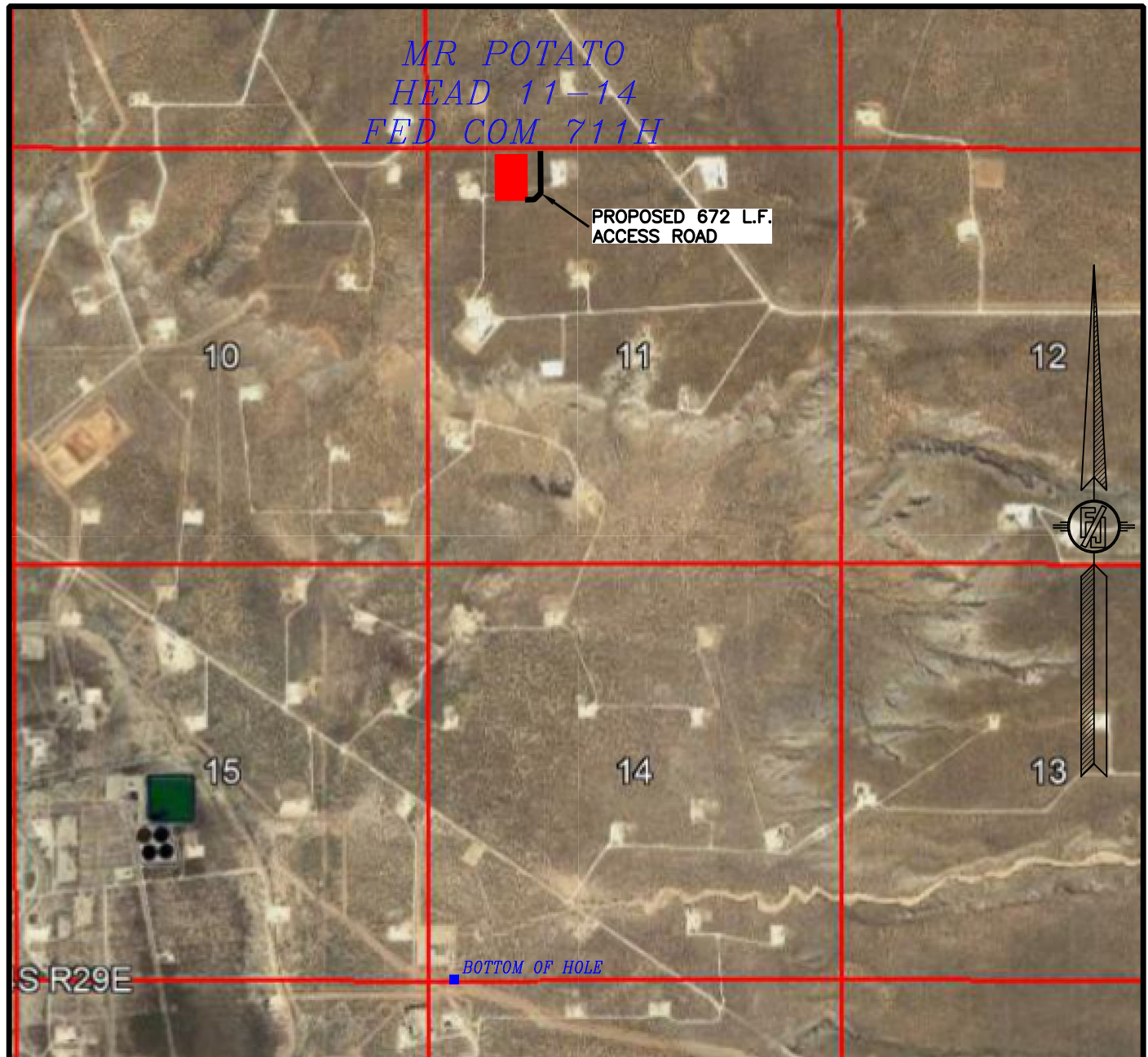
MAY 27, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL  
(575) 234-3341SURVEY NO. 6303F  
CARLSBAD, NEW MEXICO



SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 AERIAL PHOTO



NOT TO SCALE  
 AERIAL PHOTO:  
 GOOGLE EARTH  
 NOV. 2017

DEVON ENERGY PRODUCTION COMPANY, L.P.  
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 LOCATED 350 FT. FROM THE NORTH LINE  
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 RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

MAY 27, 2021

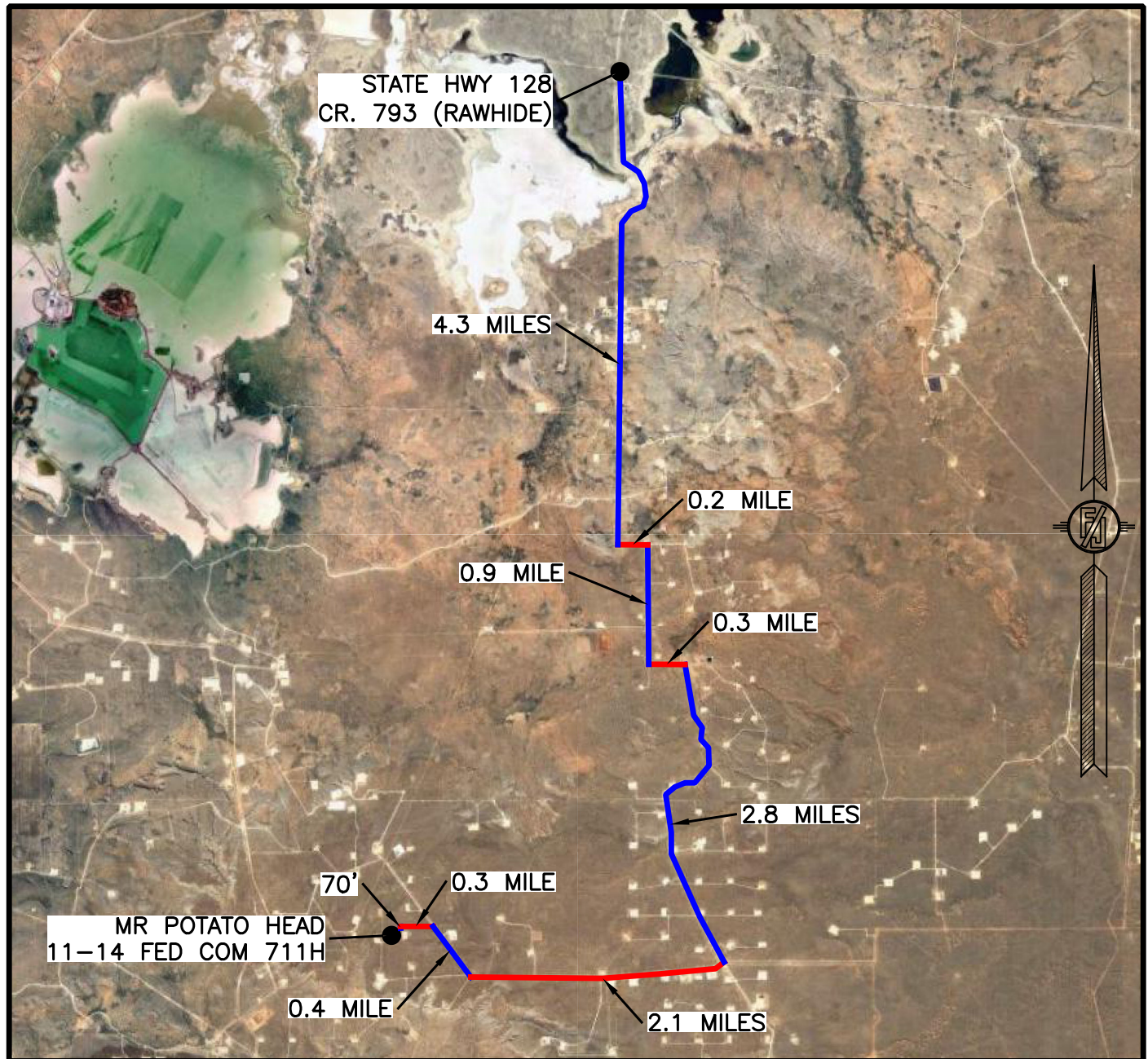
MADRON SURVEYING, INC.

301 SOUTH CANAL  
 (575) 234-3341

SURVEY NO. 6303F  
 CARLSBAD, NEW MEXICO



SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 AERIAL ACCESS ROUTE MAP



NOT TO SCALE  
 AERIAL PHOTO:  
 GOOGLE EARTH  
 NOV. 2017

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 EDDY COUNTY, STATE OF NEW MEXICO

MAY 27, 2021

MADRON SURVEYING, INC.

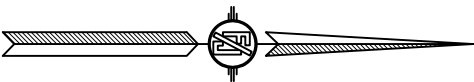
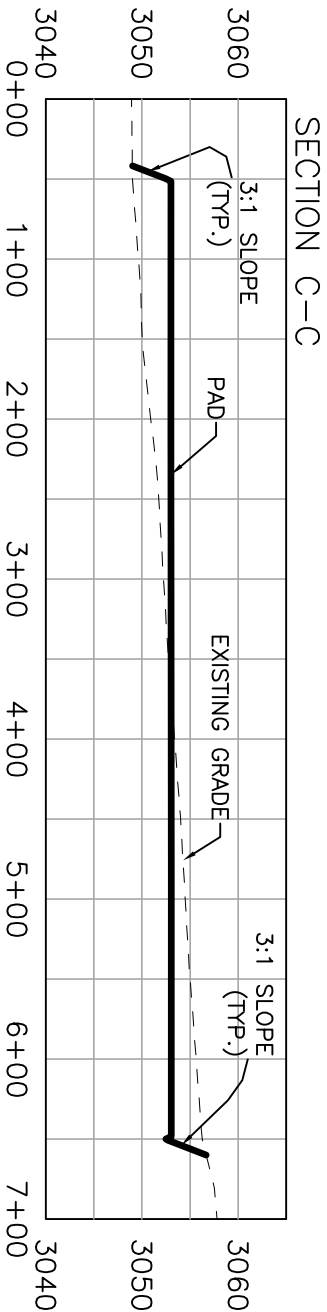
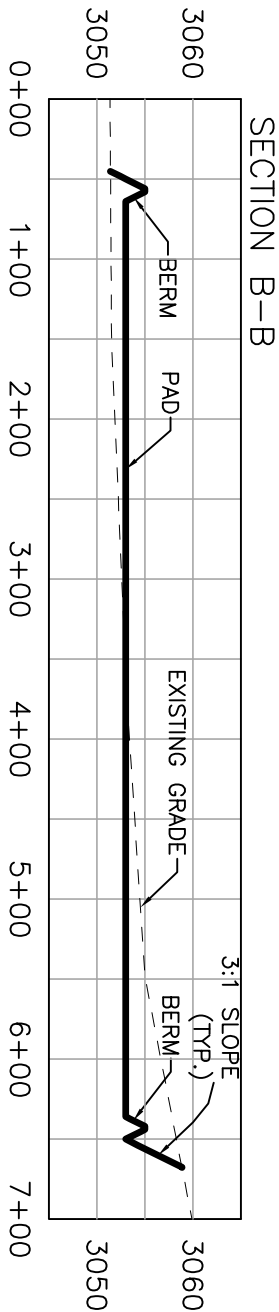
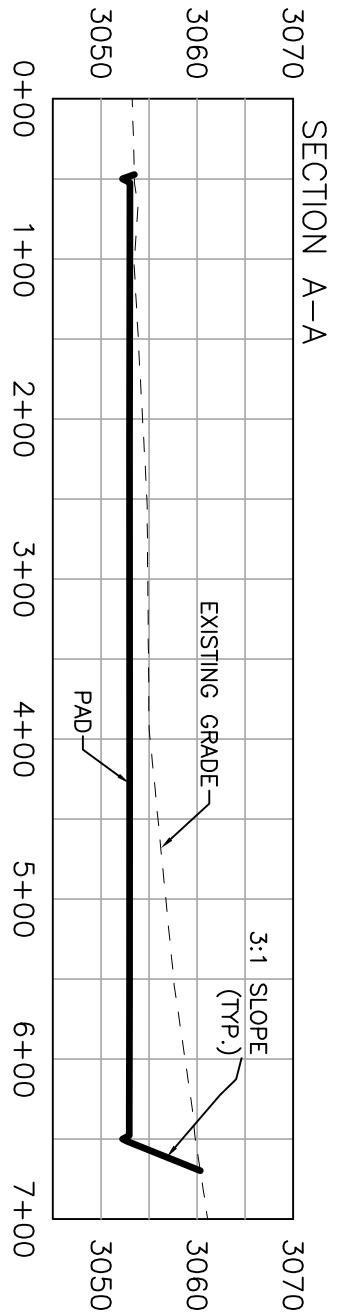
301 SOUTH CANAL  
 (575) 234-3341

SURVEY NO. 6303F  
 CARLSBAD, NEW MEXICO





CROSS SECTIONS



I, FILMON F. JARAMA, NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFICATE NO. 17297, AM RESPONSIBLE FOR THIS SURVEY, THE PLAN, THE CROSS SECTIONS AND PLAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

DEVON ENERGY PRODUCTION COMPANY, L.P.  
GRADING PLAN AND CROSS SECTIONS  
MR POTATO HEAD 11-14 FED COM 711H  
SECTION 11, TOWNSHIP 24 SOUTH,  
RANGE 29 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

MAY 27, 2021

301 SOUTH CANAL  
(575) 234-3341

CARLSBAD, NEW MEXICO

SURVEY NO. 6303F

012 60 120 240  
SCALE 1" = 120' - 1" = 20' VER

CUT	FILL	NET
17297 CU. YD	6845 CU. YD	10452 CU. YD (CUT)

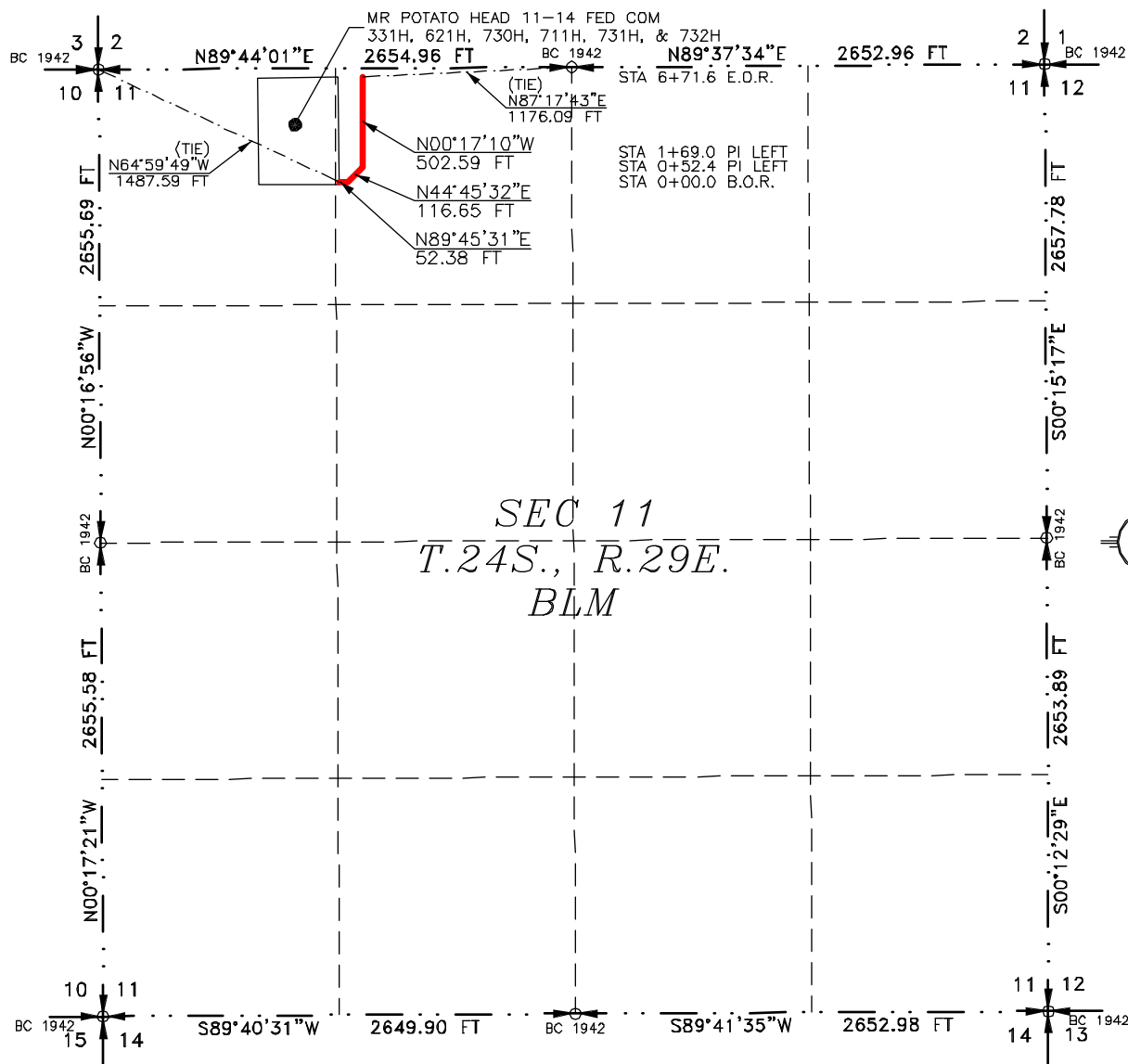
EARTHWORK QUANTITIES ARE ESTIMATED

SHEET 2-2

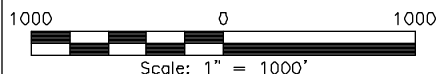
**ACCESS ROAD PLAT (AA000152509)**

ACCESS ROAD FOR MR POTATO HEAD 11-14 FED COM 331H, 621H, 730H, 711H, 731H, &amp; 732H

**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING**  
**SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.**  
**EDDY COUNTY, STATE OF NEW MEXICO**  
**MAY 27, 2021**



SEE NEXT SHEET (2-2) FOR DESCRIPTION

**GENERAL NOTES**

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 1-2

**MADRON SURVEYING, INC.**  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 (575) 234-3341

**SURVEYOR CERTIFICATE**

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 28th DAY OF MAY 2021

FILMON F. JARAMILLO, PLS. 12797  
 PROFESSIONAL SURVEYOR

MADRON SURVEYING, INC.  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3341

SURVEY NO. 6303F

**ACCESS ROAD PLAT (AA000152509)**

ACCESS ROAD FOR MR POTATO HEAD 11-14 FED COM 331H, 621H, 730H, 711H, 731H, &amp; 732H

**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING**  
**SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.**  
**EDDY COUNTY, STATE OF NEW MEXICO**  
**MAY 27, 2021**

**DESCRIPTION**

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NE/4 NW/4 OF SAID SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M., WHENCE THE NORTHWEST CORNER OF SAID SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M. BEARS N64°59'49"W, A DISTANCE OF 1487.59 FEET;  
 THENCE N89°45'31"E A DISTANCE OF 52.38 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE N44°45'32"E A DISTANCE OF 116.65 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;  
 THENCE N00°17'10"W A DISTANCE OF 502.59 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 11, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M. BEARS N87°17'43"E, A DISTANCE OF 1176.09 FEET;

SAID STRIP OF LAND BEING 671.62 FEET OR 40.70 RODS IN LENGTH, CONTAINING 0.463 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NW/4    671.62 L.F.    40.70 RODS    0.463 ACRES

**SURVEYOR CERTIFICATE**

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 28<sup>TH</sup> DAY OF MAY 2021

FILIMON F. JARAMILLO, PLS  
 301 SOUTH CANAL  
 (575) 234-3341  
 CARLSBAD, NEW MEXICO

MADRON SURVEYING, INC.  
 301 SOUTH CANAL  
 CARLSBAD, NEW MEXICO 88220  
 Phone (575) 234-3341

**SURVEY NO. 6303F**

**GENERAL NOTES**

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2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

**SHEET: 2-2**

**MADRON SURVEYING, INC.**



## MR POTATO HEAD 11-14 FED COM 711H

**1. Geologic Formations**

TVD of target	10324	Pilot hole depth	N/A
MD at TD:	20764	Deepest expected fresh water	

**Basin**

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	234		
Salt	523		
Base of Salt	2954		
Delaware	3220		
Cherry Canyon	4045		
Brushy Canyon	5663		
1st Bone Spring Lime	6916		
Bone Spring 1st	7941		
Bone Spring 2nd	8762		
3rd Bone Spring Lime	9098		
Bone Spring 3rd	9895		
Wolfcamp	10221		

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

## MR POTATO HEAD 11-14 FED COM 711H

**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	259	0	259
9 7/8	8 5/8	32	P110	TLW	0	9895	0	9895
7 7/8	5 1/2	17	P110	BTC	0	20764	0	10324

• 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	226	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	320	Surf	9	3.27	Lead: Class C Cement + additives
	465	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
	320	Surf	9	3.27	Lead: Class C Cement + additives
	465	4000' above	13.2	1.44	Tail: Class H / C + additives
Production	117	7893	9	3.27	Lead: Class H / C + additives
	1439	9893	13.2	1.44	Tail: Class H / C + additives

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

MR POTATO HEAD 11-14 FED COM 711H

**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						



## MR POTATO HEAD 11-14 FED COM 711H

**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	10-10.5

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	5637
Abnormal temperature	No

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

Hydrogen Sulfide (H<sub>2</sub>S) monitors will be installed prior to drilling out the surface shoe. If H<sub>2</sub>S 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 <sub>2</sub> S is present
Y	H <sub>2</sub> 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

## MR POTATO HEAD 11-14 FED COM 711H

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

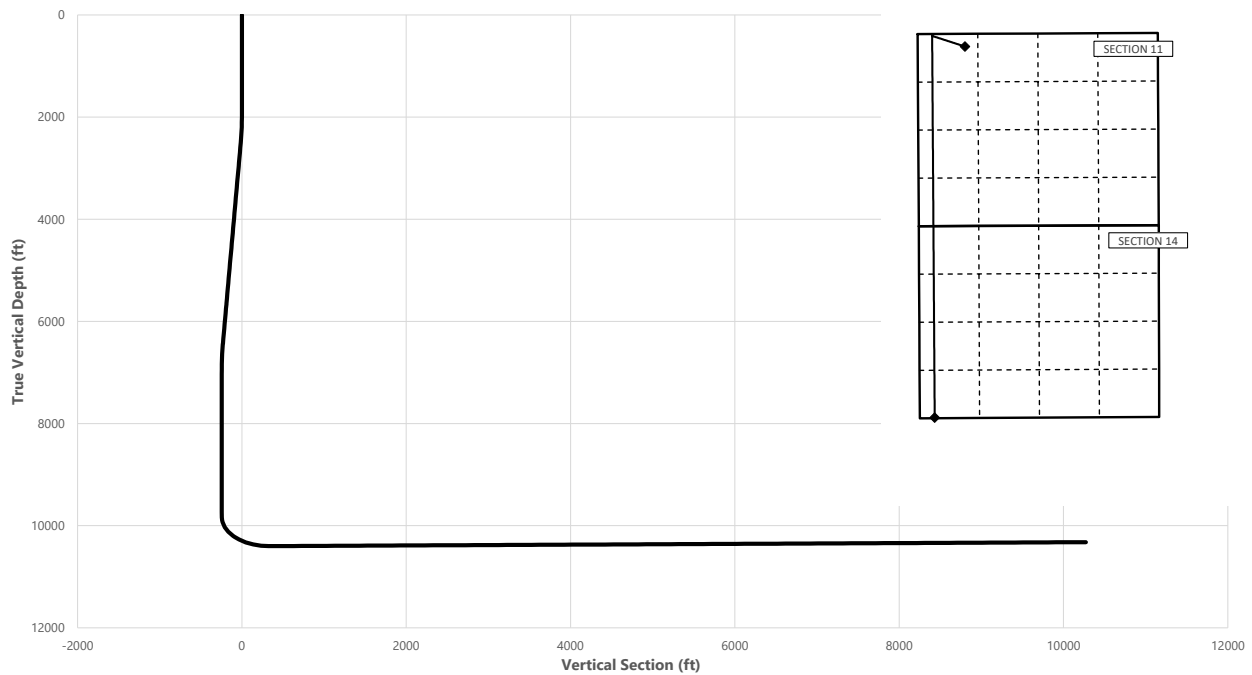
MR POTATO HEAD 11-14 FED COM 711H



**Well:** MR POTATO HEAD 11-14 FED COM 711H  
**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	292.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	292.00	2497.47	16.30	-40.35	-13.64	2.00	Hold Tangent
6506.06	10.00	292.00	6442.67	276.90	-685.34	-231.66	0.00	Drop to Vertical
7006.06	0.00	292.00	6940.13	293.20	-725.70	-245.30	2.00	Hold Vertical
9892.99	0.00	179.69	9827.06	293.20	-725.70	-245.30	0.00	KOP
10797.42	90.44	179.69	10400.00	-284.18	-722.60	330.65	10.00	Landing Point
20763.87	90.44	179.69	10323.00	-10250.19	-669.20	10272.01	0.00	BHL

**Key Depths**

	MD (ft)	TVD (ft)
Rustler	234.00	234.00
Salt	523.00	523.00
Base of Salt	2963.58	2954.00
Delaware	3233.68	3220.00
Cherry Canyon	4071.41	4045.00
Brushy Canyon	5714.37	5663.00
1st Bone Spring Lime	6981.93	6916.00
Bone Spring 1st	8006.93	7941.00
Bone Spring 2nd	8827.93	8762.00
3rd Bone Spring Lime	9163.93	9098.00
Bone Spring 3rd	9961.09	9895.00
Wolfcamp / Point of Penetration	10327.36	10221.00
exit	20683.87	10323.63

**SHL**  
**KOP**  
**Point of Penetration**  
**Exit**  
**BHL**

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.2384	-103.9605	350' FNL, 1045' FWL of Sec 11 in T24S, R29E
9892.99	9827.06	32.2392	-103.9628	53' FNL, 321' FWL of Sec 11 in T24S, R29E
10327.36	10221.00	32.2391	-103.9627	100' FNL, 330' FWL of Sec 11 in T24S, R29E
20683.87	10323.63	32.2105	-103.9627	100' FSL, 330' FWL of Sec 14 in T24S, R29E
20763.87	10323.00	32.2102	-103.9628	20' FSL, 330' FWL of Sec 14 in T24S, R29E

MR POTATO HEAD 11-14 FED COM 711H



**Well:** MR POTATO HEAD 11-14 FED COM 711H  
**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
100.00	0.00	292.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	292.00	200.00	0.00	0.00	0.00	0.00	
234.00	0.00	292.00	234.00	0.00	0.00	0.00	0.00	Rustler
300.00	0.00	292.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	292.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	292.00	500.00	0.00	0.00	0.00	0.00	
523.00	0.00	292.00	523.00	0.00	0.00	0.00	0.00	Salt
600.00	0.00	292.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	292.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	292.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	292.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	292.00	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	292.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	292.00	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	292.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	292.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	292.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	292.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	292.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	292.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	292.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	292.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	292.00	2099.98	0.65	-1.62	-0.55	2.00	
2200.00	4.00	292.00	2199.84	2.61	-6.47	-2.19	2.00	
2300.00	6.00	292.00	2299.45	5.88	-14.55	-4.92	2.00	
2400.00	8.00	292.00	2398.70	10.44	-25.85	-8.74	2.00	
2500.00	10.00	292.00	2497.47	16.30	-40.35	-13.64	2.00	Hold Tangent
2600.00	10.00	292.00	2595.95	22.81	-56.45	-19.08	0.00	
2700.00	10.00	292.00	2694.43	29.31	-72.55	-24.52	0.00	
2800.00	10.00	292.00	2792.91	35.82	-88.65	-29.97	0.00	
2900.00	10.00	292.00	2891.39	42.32	-104.76	-35.41	0.00	
2963.58	10.00	292.00	2954.00	46.46	-114.99	-38.87	0.00	Base of Salt
3000.00	10.00	292.00	2989.87	48.83	-120.86	-40.85	0.00	
3100.00	10.00	292.00	3088.35	55.33	-136.96	-46.29	0.00	
3200.00	10.00	292.00	3186.83	61.84	-153.06	-51.74	0.00	
3233.68	10.00	292.00	3220.00	64.03	-158.48	-53.57	0.00	Delaware
3300.00	10.00	292.00	3285.31	68.34	-169.16	-57.18	0.00	
3400.00	10.00	292.00	3383.79	74.85	-185.26	-62.62	0.00	
3500.00	10.00	292.00	3482.27	81.35	-201.36	-68.06	0.00	
3600.00	10.00	292.00	3580.75	87.86	-217.46	-73.50	0.00	
3700.00	10.00	292.00	3679.23	94.36	-233.56	-78.95	0.00	
3800.00	10.00	292.00	3777.72	100.87	-249.66	-84.39	0.00	
3900.00	10.00	292.00	3876.20	107.37	-265.76	-89.83	0.00	
4000.00	10.00	292.00	3974.68	113.88	-281.86	-95.27	0.00	
4071.41	10.00	292.00	4045.00	118.52	-293.36	-99.16	0.00	Cherry Canyon
4100.00	10.00	292.00	4073.16	120.38	-297.96	-100.71	0.00	
4200.00	10.00	292.00	4171.64	126.89	-314.06	-106.16	0.00	
4300.00	10.00	292.00	4270.12	133.39	-330.16	-111.60	0.00	
4400.00	10.00	292.00	4368.60	139.90	-346.26	-117.04	0.00	
4500.00	10.00	292.00	4467.08	146.40	-362.36	-122.48	0.00	
4600.00	10.00	292.00	4565.56	152.91	-378.46	-127.93	0.00	
4700.00	10.00	292.00	4664.04	159.41	-394.56	-133.37	0.00	
4800.00	10.00	292.00	4762.52	165.92	-410.66	-138.81	0.00	
4900.00	10.00	292.00	4861.00	172.42	-426.76	-144.25	0.00	
5000.00	10.00	292.00	4959.48	178.93	-442.86	-149.69	0.00	
5100.00	10.00	292.00	5057.97	185.43	-458.96	-155.14	0.00	
5200.00	10.00	292.00	5156.45	191.94	-475.06	-160.58	0.00	
5300.00	10.00	292.00	5254.93	198.44	-491.16	-166.02	0.00	
5400.00	10.00	292.00	5353.41	204.95	-507.26	-171.46	0.00	
5500.00	10.00	292.00	5451.89	211.45	-523.37	-176.90	0.00	
5600.00	10.00	292.00	5550.37	217.96	-539.47	-182.35	0.00	
5700.00	10.00	292.00	5648.85	224.46	-555.57	-187.79	0.00	
5714.37	10.00	292.00	5663.00	225.40	-557.88	-188.57	0.00	Brushy Canyon
5800.00	10.00	292.00	5747.33	230.97	-571.67	-193.23	0.00	
5900.00	10.00	292.00	5845.81	237.47	-587.77	-198.67	0.00	
6000.00	10.00	292.00	5944.29	243.98	-603.87	-204.12	0.00	
6100.00	10.00	292.00	6042.77	250.48	-619.97	-209.56	0.00	
6200.00	10.00	292.00	6141.25	256.99	-636.07	-215.00	0.00	
6300.00	10.00	292.00	6239.73	263.49	-652.17	-220.44	0.00	



MR POTATO HEAD 11-14 FED COM 711H



**Well:** MR POTATO HEAD 11-14 FED COM 711H  
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**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
6400.00	10.00	292.00	6338.22	269.99	-668.27	-225.88	0.00	
6500.00	10.00	292.00	6436.70	276.50	-684.37	-231.33	0.00	
6506.06	10.00	292.00	6442.67	276.90	-685.34	-231.66	0.00	Drop to Vertical
6600.00	8.12	292.00	6535.43	282.44	-699.06	-236.29	2.00	
6700.00	6.12	292.00	6634.65	287.08	-710.55	-240.18	2.00	
6800.00	4.12	292.00	6734.25	290.43	-718.83	-242.98	2.00	
6900.00	2.12	292.00	6834.09	292.47	-723.88	-244.68	2.00	
6981.93	0.48	292.00	6916.00	293.16	-725.60	-245.27	2.00	1st Bone Spring Lime
7000.00	0.12	292.00	6934.07	293.20	-725.69	-245.30	2.00	
7006.06	0.00	292.00	6940.13	293.20	-725.70	-245.30	2.00	Hold Vertical
7100.00	0.00	179.69	7034.07	293.20	-725.70	-245.30	0.00	
7200.00	0.00	179.69	7134.07	293.20	-725.70	-245.30	0.00	
7300.00	0.00	179.69	7234.07	293.20	-725.70	-245.30	0.00	
7400.00	0.00	179.69	7334.07	293.20	-725.70	-245.30	0.00	
7500.00	0.00	179.69	7434.07	293.20	-725.70	-245.30	0.00	
7600.00	0.00	179.69	7534.07	293.20	-725.70	-245.30	0.00	
7700.00	0.00	179.69	7634.07	293.20	-725.70	-245.30	0.00	
7800.00	0.00	179.69	7734.07	293.20	-725.70	-245.30	0.00	
7900.00	0.00	179.69	7834.07	293.20	-725.70	-245.30	0.00	
8000.00	0.00	179.69	7934.07	293.20	-725.70	-245.30	0.00	
8006.93	0.00	179.69	7941.00	293.20	-725.70	-245.30	0.00	Bone Spring 1st
8100.00	0.00	179.69	8034.07	293.20	-725.70	-245.30	0.00	
8200.00	0.00	179.69	8134.07	293.20	-725.70	-245.30	0.00	
8300.00	0.00	179.69	8234.07	293.20	-725.70	-245.30	0.00	
8400.00	0.00	179.69	8334.07	293.20	-725.70	-245.30	0.00	
8500.00	0.00	179.69	8434.07	293.20	-725.70	-245.30	0.00	
8600.00	0.00	179.69	8534.07	293.20	-725.70	-245.30	0.00	
8700.00	0.00	179.69	8634.07	293.20	-725.70	-245.30	0.00	
8800.00	0.00	179.69	8734.07	293.20	-725.70	-245.30	0.00	
8827.93	0.00	179.69	8762.00	293.20	-725.70	-245.30	0.00	Bone Spring 2nd
8900.00	0.00	179.69	8834.07	293.20	-725.70	-245.30	0.00	
9000.00	0.00	179.69	8934.07	293.20	-725.70	-245.30	0.00	
9100.00	0.00	179.69	9034.07	293.20	-725.70	-245.30	0.00	
9163.93	0.00	179.69	9098.00	293.20	-725.70	-245.30	0.00	3rd Bone Spring Lime
9200.00	0.00	179.69	9134.07	293.20	-725.70	-245.30	0.00	
9300.00	0.00	179.69	9234.07	293.20	-725.70	-245.30	0.00	
9400.00	0.00	179.69	9334.07	293.20	-725.70	-245.30	0.00	
9500.00	0.00	179.69	9434.07	293.20	-725.70	-245.30	0.00	
9600.00	0.00	179.69	9534.07	293.20	-725.70	-245.30	0.00	
9700.00	0.00	179.69	9634.07	293.20	-725.70	-245.30	0.00	
9800.00	0.00	179.69	9734.07	293.20	-725.70	-245.30	0.00	
9892.99	0.00	179.69	9827.06	293.20	-725.70	-245.30	0.00	KOP
9900.00	0.70	179.69	9834.07	293.16	-725.70	-245.26	10.00	
9961.09	6.81	179.69	9895.00	289.16	-725.68	-241.27	10.00	Bone Spring 3rd
10000.00	10.70	179.69	9933.45	283.24	-725.64	-235.36	10.00	
10100.00	20.70	179.69	10029.60	256.21	-725.50	-208.40	10.00	
10200.00	30.70	179.69	10119.59	212.90	-725.27	-165.19	10.00	
10300.00	40.70	179.69	10200.69	154.62	-724.96	-107.06	10.00	
10327.36	43.44	179.69	10221.00	136.29	-724.86	-88.77	10.00	Wolfcamp / Point of Penetration
10400.00	50.70	179.69	10270.44	83.14	-724.57	-35.76	10.00	
10500.00	60.70	179.69	10326.72	0.63	-724.13	46.54	10.00	
10600.00	70.70	179.69	10367.82	-90.39	-723.64	137.34	10.00	
10700.00	80.70	179.69	10392.49	-187.17	-723.12	233.88	10.00	
10797.42	90.44	179.69	10400.00	-284.18	-722.60	330.65	10.00	Landing Point
10800.00	90.44	179.69	10399.98	-286.76	-722.59	333.23	0.00	
10900.00	90.44	179.69	10399.21	-386.75	-722.05	432.97	0.00	
11000.00	90.44	179.69	10398.44	-486.75	-721.52	532.72	0.00	
11100.00	90.44	179.69	10397.66	-586.75	-720.98	632.47	0.00	
11200.00	90.44	179.69	10396.89	-686.74	-720.45	732.22	0.00	
11300.00	90.44	179.69	10396.12	-786.74	-719.91	831.97	0.00	
11400.00	90.44	179.69	10395.35	-886.73	-719.37	931.72	0.00	
11500.00	90.44	179.69	10394.57	-986.73	-718.84	1031.46	0.00	
11600.00	90.44	179.69	10393.80	-1086.72	-718.30	1131.21	0.00	
11700.00	90.44	179.69	10393.03	-1186.72	-717.77	1230.96	0.00	
11800.00	90.44	179.69	10392.26	-1286.71	-717.23	1330.71	0.00	
11900.00	90.44	179.69	10391.48	-1386.71	-716.69	1430.46	0.00	
12000.00	90.44	179.69	10390.71	-1486.71	-716.16	1530.21	0.00	
12100.00	90.44	179.69	10389.94	-1586.70	-715.62	1629.95	0.00	
12200.00	90.44	179.69	10389.17	-1686.70	-715.09	1729.70	0.00	
12300.00	90.44	179.69	10388.39	-1786.69	-714.55	1829.45	0.00	

MR POTATO HEAD 11-14 FED COM 711H



**Well:** MR POTATO HEAD 11-14 FED COM 711H  
**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
12400.00	90.44	179.69	10387.62	-1886.69	-714.01	1929.20	0.00	
12500.00	90.44	179.69	10386.85	-1986.68	-713.48	2028.95	0.00	
12600.00	90.44	179.69	10386.08	-2086.68	-712.94	2128.69	0.00	
12700.00	90.44	179.69	10385.30	-2186.68	-712.41	2228.44	0.00	
12800.00	90.44	179.69	10384.53	-2286.67	-711.87	2328.19	0.00	
12900.00	90.44	179.69	10383.76	-2386.67	-711.33	2427.94	0.00	
13000.00	90.44	179.69	10382.99	-2486.66	-710.80	2527.69	0.00	
13100.00	90.44	179.69	10382.21	-2586.66	-710.26	2627.44	0.00	
13200.00	90.44	179.69	10381.44	-2686.65	-709.73	2727.18	0.00	
13300.00	90.44	179.69	10380.67	-2786.65	-709.19	2826.93	0.00	
13400.00	90.44	179.69	10379.90	-2886.64	-708.65	2926.68	0.00	
13500.00	90.44	179.69	10379.12	-2986.64	-708.12	3026.43	0.00	
13600.00	90.44	179.69	10378.35	-3086.64	-707.58	3126.18	0.00	
13700.00	90.44	179.69	10377.58	-3186.63	-707.04	3225.92	0.00	
13800.00	90.44	179.69	10376.81	-3286.63	-706.51	3325.67	0.00	
13900.00	90.44	179.69	10376.03	-3386.62	-705.97	3425.42	0.00	
14000.00	90.44	179.69	10375.26	-3486.62	-705.44	3525.17	0.00	
14100.00	90.44	179.69	10374.49	-3586.61	-704.90	3624.92	0.00	
14200.00	90.44	179.69	10373.72	-3686.61	-704.36	3724.67	0.00	
14300.00	90.44	179.69	10372.94	-3786.60	-703.83	3824.41	0.00	
14400.00	90.44	179.69	10372.17	-3886.60	-703.29	3924.16	0.00	
14500.00	90.44	179.69	10371.40	-3986.60	-702.76	4023.91	0.00	
14600.00	90.44	179.69	10370.63	-4086.59	-702.22	4123.66	0.00	
14700.00	90.44	179.69	10369.85	-4186.59	-701.68	4223.41	0.00	
14800.00	90.44	179.69	10369.08	-4286.58	-701.15	4323.16	0.00	
14900.00	90.44	179.69	10368.31	-4386.58	-700.61	4422.90	0.00	
15000.00	90.44	179.69	10367.54	-4486.57	-700.08	4522.65	0.00	
15100.00	90.44	179.69	10366.76	-4586.57	-699.54	4622.40	0.00	
15200.00	90.44	179.69	10365.99	-4686.56	-699.00	4722.15	0.00	
15300.00	90.44	179.69	10365.22	-4786.56	-698.47	4821.90	0.00	
15400.00	90.44	179.69	10364.45	-4886.56	-697.93	4921.64	0.00	
15500.00	90.44	179.69	10363.67	-4986.55	-697.40	5021.39	0.00	
15600.00	90.44	179.69	10362.90	-5086.55	-696.86	5121.14	0.00	
15700.00	90.44	179.69	10362.13	-5186.54	-696.32	5220.89	0.00	
15800.00	90.44	179.69	10361.36	-5286.54	-695.79	5320.64	0.00	
15900.00	90.44	179.69	10360.58	-5386.53	-695.25	5420.39	0.00	
16000.00	90.44	179.69	10359.81	-5486.53	-694.72	5520.13	0.00	
16100.00	90.44	179.69	10359.04	-5586.52	-694.18	5619.88	0.00	
16200.00	90.44	179.69	10358.27	-5686.52	-693.64	5719.63	0.00	
16300.00	90.44	179.69	10357.49	-5786.52	-693.11	5819.38	0.00	
16400.00	90.44	179.69	10356.72	-5886.51	-692.57	5919.13	0.00	
16500.00	90.44	179.69	10355.95	-5986.51	-692.03	6018.87	0.00	
16600.00	90.44	179.69	10355.18	-6086.50	-691.50	6118.62	0.00	
16700.00	90.44	179.69	10354.40	-6186.50	-690.96	6218.37	0.00	
16800.00	90.44	179.69	10353.63	-6286.49	-690.43	6318.12	0.00	
16900.00	90.44	179.69	10352.86	-6386.49	-689.89	6417.87	0.00	
17000.00	90.44	179.69	10352.09	-6486.49	-689.35	6517.62	0.00	
17100.00	90.44	179.69	10351.31	-6586.48	-688.82	6617.36	0.00	
17200.00	90.44	179.69	10350.54	-6686.48	-688.28	6717.11	0.00	
17300.00	90.44	179.69	10349.77	-6786.47	-687.75	6816.86	0.00	
17400.00	90.44	179.69	10349.00	-6886.47	-687.21	6916.61	0.00	
17500.00	90.44	179.69	10348.22	-6986.46	-686.67	7016.36	0.00	
17600.00	90.44	179.69	10347.45	-7086.46	-686.14	7116.11	0.00	
17700.00	90.44	179.69	10346.68	-7186.45	-685.60	7215.85	0.00	
17800.00	90.44	179.69	10345.91	-7286.45	-685.07	7315.60	0.00	
17900.00	90.44	179.69	10345.13	-7386.45	-684.53	7415.35	0.00	
18000.00	90.44	179.69	10344.36	-7486.44	-683.99	7515.10	0.00	
18100.00	90.44	179.69	10343.59	-7586.44	-683.46	7614.85	0.00	
18200.00	90.44	179.69	10342.82	-7686.43	-682.92	7714.59	0.00	
18300.00	90.44	179.69	10342.05	-7786.43	-682.39	7814.34	0.00	
18400.00	90.44	179.69	10341.27	-7886.42	-681.85	7914.09	0.00	
18500.00	90.44	179.69	10340.50	-7986.42	-681.31	8013.84	0.00	
18600.00	90.44	179.69	10339.73	-8086.41	-680.78	8113.59	0.00	
18700.00	90.44	179.69	10338.96	-8186.41	-680.24	8213.34	0.00	
18800.00	90.44	179.69	10338.18	-8286.41	-679.71	8313.08	0.00	
18900.00	90.44	179.69	10337.41	-8386.40	-679.17	8412.83	0.00	
19000.00	90.44	179.69	10336.64	-8486.40	-678.63	8512.58	0.00	
19100.00	90.44	179.69	10335.87	-8586.39	-678.10	8612.33	0.00	
19200.00	90.44	179.69	10335.09	-8686.39	-677.56	8712.08	0.00	
19300.00	90.44	179.69	10334.32	-8786.38	-677.03	8811.82	0.00	

MR POTATO HEAD 11-14 FED COM 711H

**Well:** MR POTATO HEAD 11-14 FED COM 711H**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
19400.00	90.44	179.69	10333.55	-8886.38	-676.49	8911.57	0.00	
19500.00	90.44	179.69	10332.78	-8986.37	-675.95	9011.32	0.00	
19600.00	90.44	179.69	10332.00	-9086.37	-675.42	9111.07	0.00	
19700.00	90.44	179.69	10331.23	-9186.37	-674.88	9210.82	0.00	
19800.00	90.44	179.69	10330.46	-9286.36	-674.34	9310.57	0.00	
19900.00	90.44	179.69	10329.69	-9386.36	-673.81	9410.31	0.00	
20000.00	90.44	179.69	10328.91	-9486.35	-673.27	9510.06	0.00	
20100.00	90.44	179.69	10328.14	-9586.35	-672.74	9609.81	0.00	
20200.00	90.44	179.69	10327.37	-9686.34	-672.20	9709.56	0.00	
20300.00	90.44	179.69	10326.60	-9786.34	-671.66	9809.31	0.00	
20400.00	90.44	179.69	10325.82	-9886.33	-671.13	9909.06	0.00	
20500.00	90.44	179.69	10325.05	-9986.33	-670.59	10008.80	0.00	
20600.00	90.44	179.69	10324.28	-10086.33	-670.06	10108.55	0.00	
20683.87	90.44	179.69	10323.63	-10170.19	-669.61	10192.21	0.00	exit
20700.00	90.44	179.69	10323.51	-10186.32	-669.52	10208.30	0.00	
20763.87	90.44	179.69	10323.00	-10250.19	-669.20	10272.01	0.00	BHL

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>Devon Energy Production Company LP</b>
<b>LEASE NO.:</b>	<b>NMNM88134</b>
<b>WELL NAME &amp; NO.:</b>	<b>Mr. Potato Head 11-14 Fed Com 711H</b>
<b>SURFACE HOLE FOOTAGE:</b>	<b>350'/N &amp; 1045'/W</b>
<b>BOTTOM HOLE FOOTAGE:</b>	<b>20'/S &amp; 330'/W</b>
<b>LOCATION:</b>	<b>Section 11, T.24 S., R.29 E., NMPM</b>
<b>COUNTY:</b>	<b>Eddy County, New Mexico</b>

COA

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

### A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

### B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **400 feet** (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.



- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

2. The minimum required fill of cement behind the **8-5/8** inch intermediate casing is:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**  
**Cement excess is less than 25%, more cement might be required.**
  - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

**Operator has proposed to pump down 13-3/8" X 8-5/8" annulus. Operator must run a CBL from TD of the 8-5/8" casing to surface. Submit results to BLM.**

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
  - Cement should tie-back at least **200 feet** into previous casing string.  
 Operator shall provide method of verification.

### **C. PRESSURE CONTROL**

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.

- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

#### **D. SPECIAL REQUIREMENT (S)**

##### **Communitization Agreement**

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

## **GENERAL REQUIREMENTS**

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,  
(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)  
393-3612

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - Notify the BLM when moving in and removing the Spudder Rig.
    - Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL



1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
  - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not

hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

COMMENTS  
  
Action 53602

COMMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 53602
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 10/4/2021	10/4/2021



**District I**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 53602

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 53602
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	10/4/2021