

Well Name: COTTON DRAW UNIT	Well Location: T24S / R31E / SEC 26 / NWNW / 32.1945387 / -103.7534759	County or Parish/State: EDDY / NM
Well Number: 601H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM012121	Unit or CA Name: COTTON DRAW UNIT	Unit or CA Number: NMNM70928X
US Well Number: 300154729900X1	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2505662

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 06/29/2021	Time Sundry Submitted: 08:25
Date proposed operation will begin: 06/28/2021	

Procedure Description: Devon Energy Production Co., L.P. (Devon) respectfully requests to move the BHL and change formation on the subject well. Please see attached revised C102, Drill plan, directional plan. • Permitted BHL: (E) SWNW 35-24S-31E, 2620 FNL, 400 FWL • Proposed BHL: (M) SWSW 2-25S-31E, 20 FSL, 400 FWL • Permitted formation: 98220- PURPLE SAGE; WOLFCAMP(GAS) • Proposed formation: 96641- PADUCA; BONESPRING

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- MB_Wellhd_5M_13.375_9.625_5.5_20210629082511.pdf
- 5M_BOPE__CK_20210629082511.pdf
- MB_Verb_5M_20210629082511.pdf
- WA017963196_COTTON_DRAW_UNIT_601H_WL_R3_20210629082429.pdf
- COTTON_DRAW_UNIT_601H_Directional_Plan_06_24_21_20210629082419.pdf
- COTTON_DRAW_UNIT_601H_20210629082418.pdf

Well Name: COTTON DRAW UNIT	Well Location: T24S / R31E / SEC 26 / NWNW / 32.1945387 / -103.7534759	County or Parish/State: EDDY / NM
Well Number: 601H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM012121	Unit or CA Name: COTTON DRAW UNIT	Unit or CA Number: NMNM70928X
US Well Number: 300154729900X1	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Additional Reviews

Cotton_Draw_Unit_601H_Dr_COA_Sundry_ID_2505662_20210802070120.pdf

Operator Certification

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

Operator Electronic Signature: JENNY HARMS	Signed on: JUN 29, 2021 08:25 AM
Name: DEVON ENERGY PRODUCTION COMPANY LP	
Title: Regulatory Compliance Professional	
Street Address: 333 West Sheridan Avenue	
City: Oklahoma City	State: OK
Phone: (405) 552-6560	
Email address: jennifer.harms@dvn.com	

Field Representative

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

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 09/03/2021
Signature: 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

¹ API Number 30-015-47299	² Pool Code 96641	³ Pool Name PADUCA; BONESPRING
⁴ Property Code 300635	⁵ Property Name COTTON DRAW UNIT	⁶ Well Number 601H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3536.1

¹⁰ Surface Location

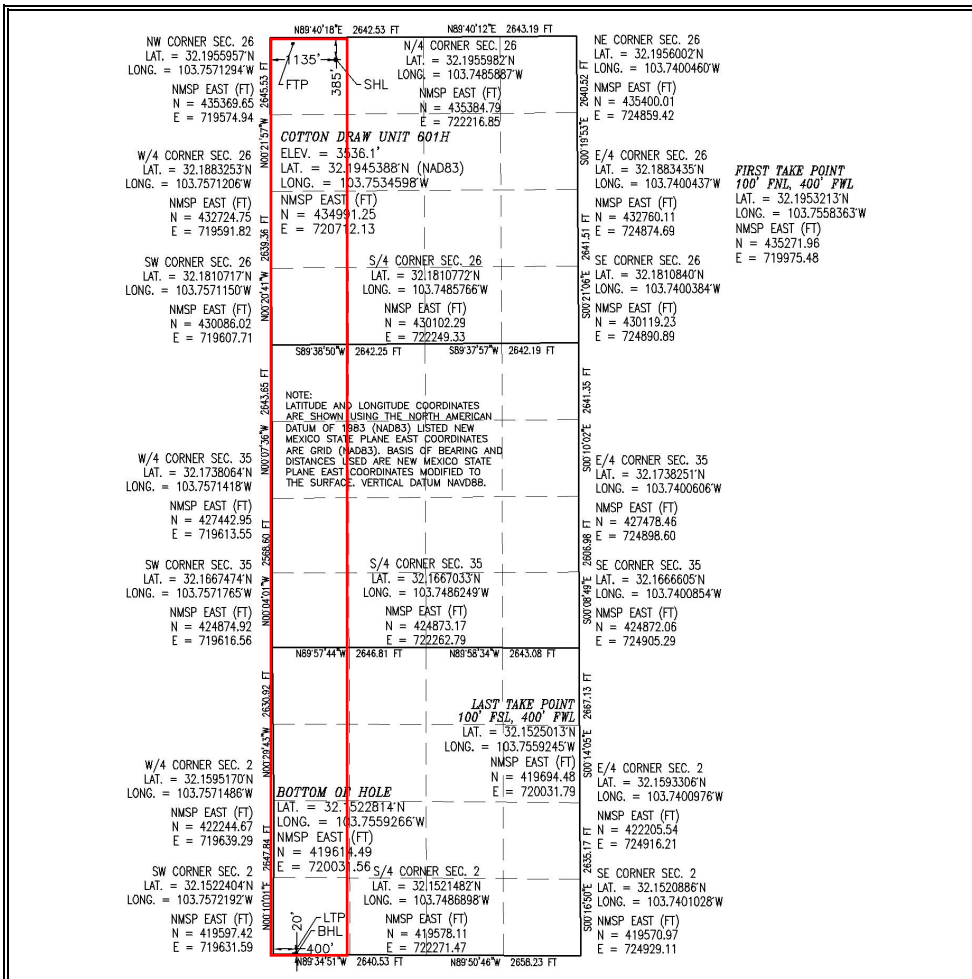
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	26	24 S	31 E		385	NORTH	1135	WEST	EDDY

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
M	2	25 S	31 E		20	SOUTH	400	WEST	EDDY

¹² Dedicated Acres 480	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.

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.

Jenny Harms 6-28-2021
Signature Date

JENNY HARMS

Printed Name

JENNY.HARMS@DVN.COM

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.

JUNE 15, 2021

Date of Survey

William F. Jaramila
Signature and Seal of Professional Surveyor
Certificate Number: **PLS 12797**
SURVEY NO. 7990C

Intent ☒ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number
DEVON ENERGY PRODUCTION CO., L.P.	COTTON DRAW UNIT	601H

Kick Off Point (KOP)

UL	Section 26	Township 24S	Range 31E	Lot	Feet 43 FNL	From N/S	Feet 379 FWL	From E/W	County EDDY
Latitude 32.19538506					Longitude -103.75598900			NAD 83	

First Take Point (FTP)

UL D	Section 26	Township 24S	Range 31E	Lot	Feet 100	From N/S NORTH	Feet 400	From E/W WEST	County EDDY
Latitude 32.1953213					Longitude 103.7558363			NAD 83	

Last Take Point (LTP)

UL M	Section 2	Township 25S	Range 31E	Lot	Feet 100	From N/S SOUTH	Feet 400	From E/W WEST	County EDDY
Latitude 32.1525013					Longitude 103.7559245			NAD 83	

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

☒

Is this well an infill well?

☐

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

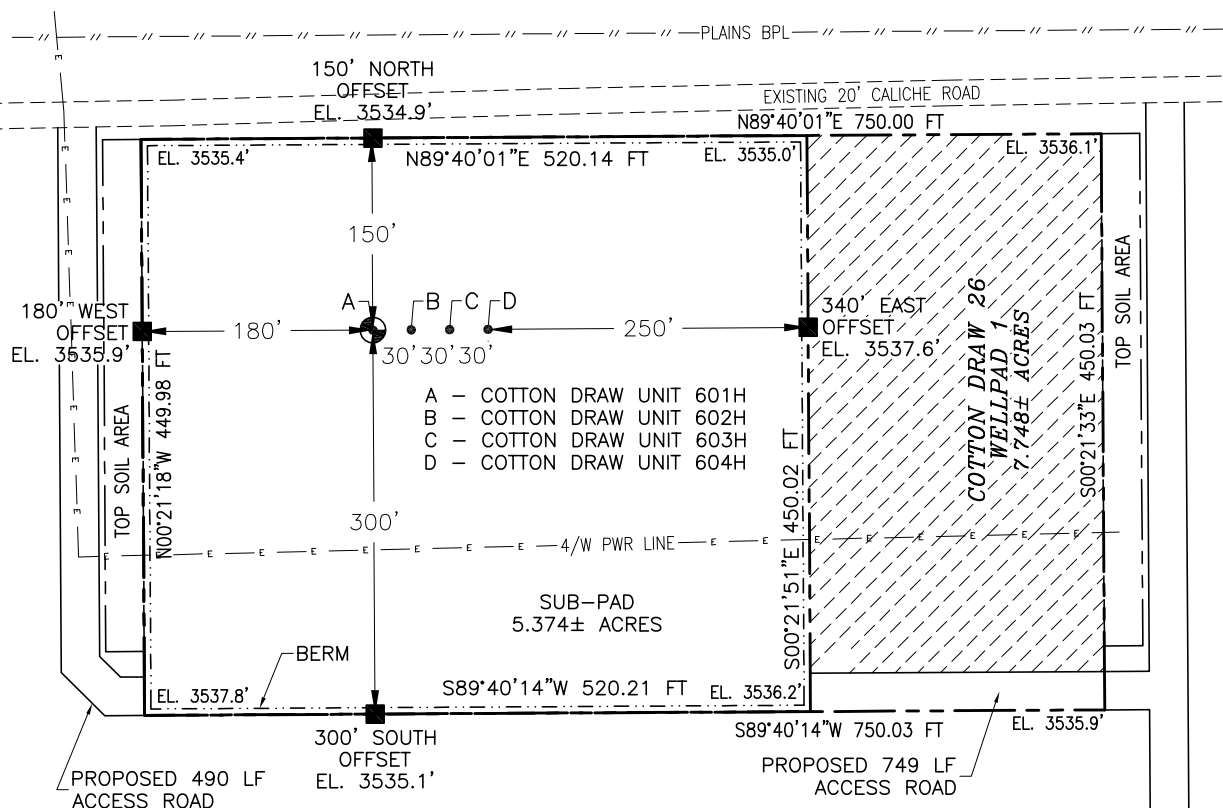
KZ 06/29/2018

SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD88.

SEC. 23

SEC. 26

**COTTON DRAW UNIT 601H**

ELEV. = 3536.1'

LAT. = 32.1945388°N (NAD83)

LONG. = 103.7534598°W

NMSP EAST (FT)

N = 434991.25

E = 720712.13

**PROPOSED
COTTON DRAW 26 CTB 1**

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW UNIT 601H
LOCATED 385 FT. FROM THE NORTH LINE
AND 1135 FT. FROM THE WEST LINE OF
SECTION 26, TOWNSHIP 24 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LAND STATUS: BLM

JUNE 15, 2021

SURVEY NO. 7990C

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

015 75 150 300

SCALE 1" = 150'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 128 AND BUCK JACKSON ROAD, GO SOUTHWEST ON BUCK JACKSON APPROX. 3.1 MILES TO A LEASE ROAD ON LEFT. TURN LEFT GO SOUTHEAST 0.3 OF A MILE ON LEASE ROAD, BEND LEFT GO EAST 0.3 OF A MILE, LEASE ROAD BENDS RIGHT. FOLLOW LEASE ROAD SOUTHEAST APPROX. 0.6 OF A MILE TO A "Y" INTERSECTION. TURN RIGHT GO SOUTHWEST-SOUTH 0.19 OF A MILE, TURN RIGHT GO WEST 0.31 OF A MILE, TURN LEFT GO SOUTH-WEST 749' TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

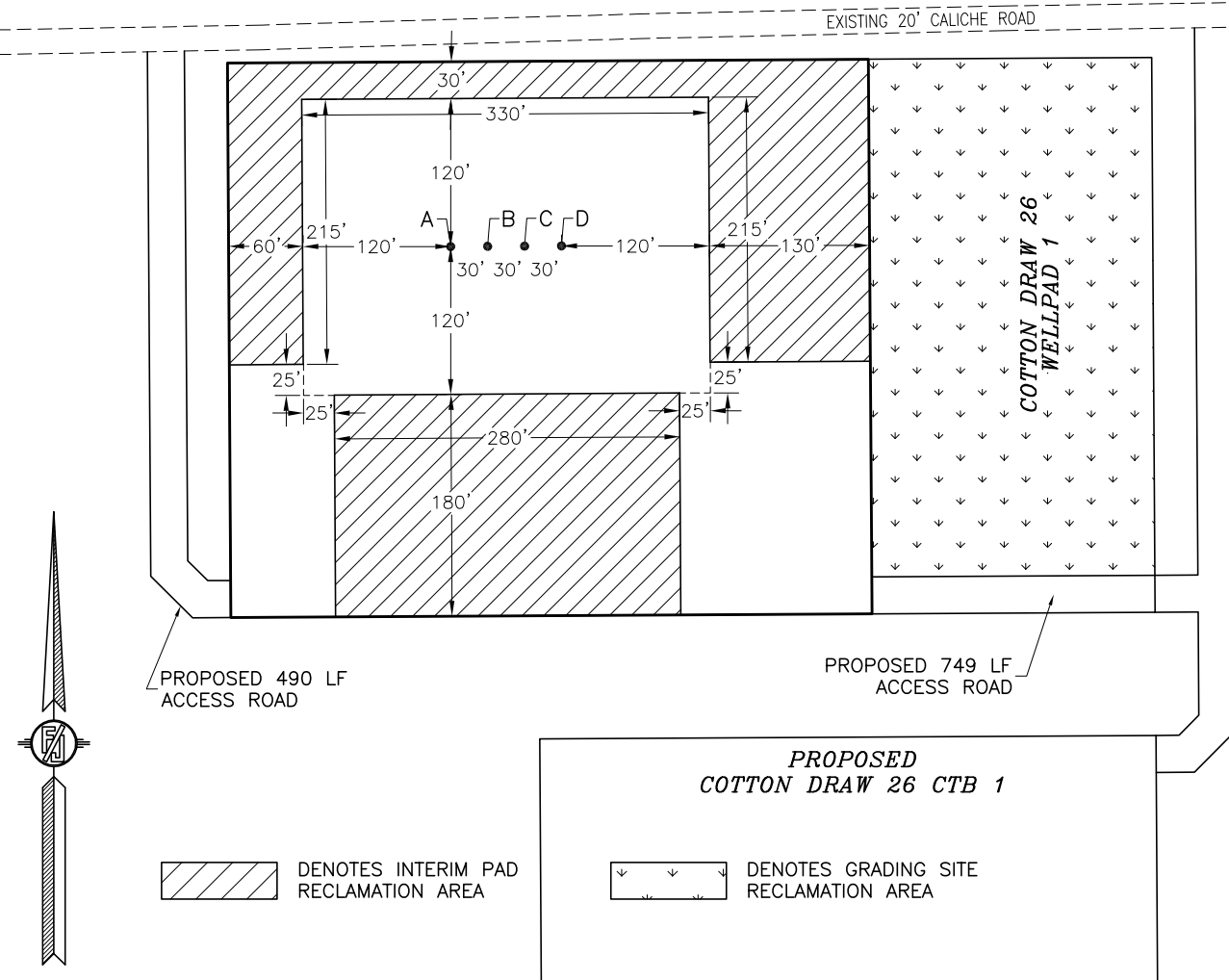
I, FILIMON F. JARAMILA, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFICATE NO. 12794, HAVE REVIEWED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEYING INSTRUMENT GOES TO THE BEST OF MY KNOWLEDGE AND BELIEF IN ACCORDANCE WITH THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

FILIMON F. JARAMILA, PLS., SCS

SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 INTERIM SITE BUILD PLAN

SEC. 23
 SEC. 26

A - COTTON DRAW UNIT 601H
 B - COTTON DRAW UNIT 602H
 C - COTTON DRAW UNIT 603H
 D - COTTON DRAW UNIT 604H



015 75 150 300
 SCALE 1" = 150'

2.454± ACRES INTERIM PAD RECLAMATION AREA
 2.217± ACRES GRADING SITE RECLAMATION AREA
 3.077± ACRES NON-RECLAIMED AREA
 7.748± ACRES COTTON DRAW 26 WELLPAD 1

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW UNIT 601H
 LOCATED 385 FT. FROM THE NORTH LINE
 AND 1135 FT. FROM THE WEST LINE OF
 SECTION 26, TOWNSHIP 24 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LAND STATUS: BLM

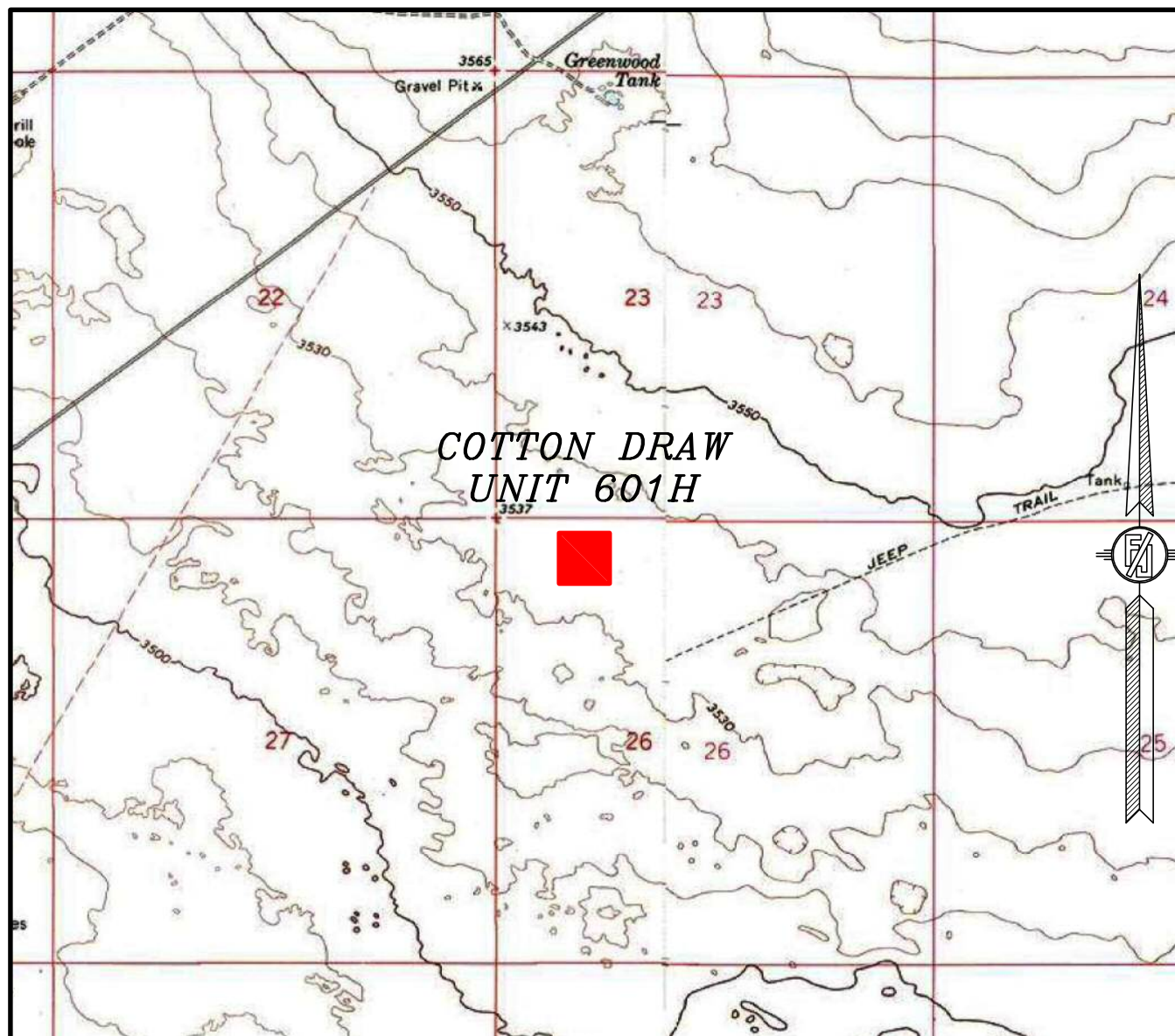
JUNE 15, 2021

SURVEY NO. 7990C

MADRON SURVEYING, INC. 301 SOUTH CANAL
 (575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 PADUCA BREAKS NW

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

COTTON DRAW UNIT 601H

LOCATED 385 FT. FROM THE NORTH LINE
 AND 1135 FT. FROM THE WEST LINE OF

SECTION 26, TOWNSHIP 24 SOUTH,
 RANGE 31 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO
 LAND STATUS: BLM

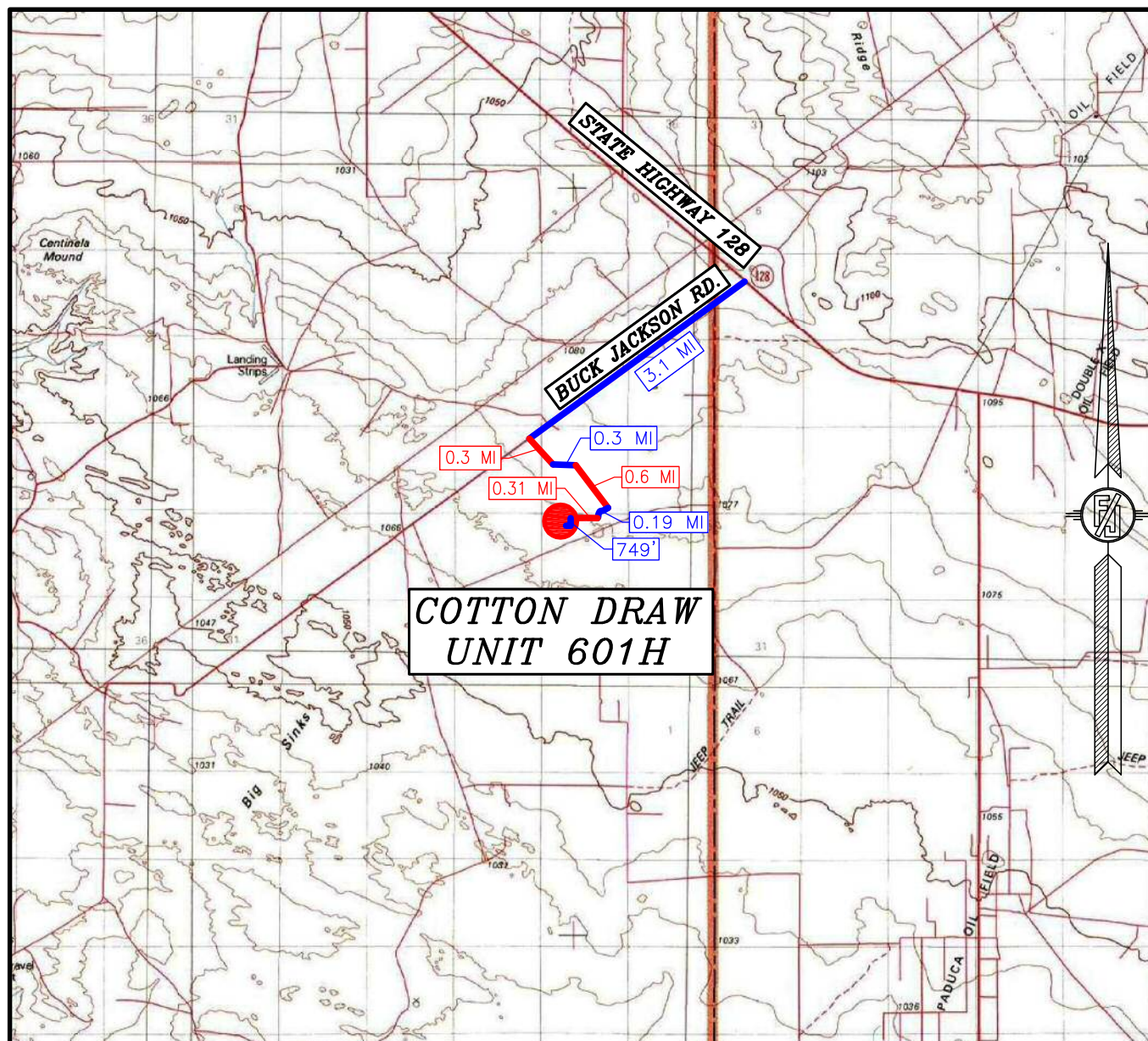
JUNE 15, 2021

SURVEY NO. 7990C

MADRON SURVEYING, INC. 301 SOUTH CANAL
 (575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 128 AND BUCK JACKSON ROAD, GO SOUTHWEST ON BUCK JACKSON APPROX. 3.1 MILES TO A LEASE ROAD ON LEFT. TURN LEFT GO SOUTHEAST 0.3 OF A MILE ON LEASE ROAD, BEND LEFT GO EAST 0.3 OF A MILE, LEASE ROAD BENDS RIGHT. FOLLOW LEASE ROAD SOUTHEAST APPROX. 0.6 OF A MILE TO A "Y" INTERSECTION. TURN RIGHT GO SOUTHWEST-SOUTH 0.19 OF A MILE, TURN RIGHT GO WEST 0.31 OF A MILE, TURN LEFT GO SOUTH-WEST 749' TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

NOT TO SCALE
DEVON ENERGY PRODUCTION COMPANY, L.P.

COTTON DRAW UNIT 601H

LOCATED 385 FT. FROM THE NORTH LINE
AND 1135 FT. FROM THE WEST LINE OF
SECTION 26, TOWNSHIP 24 SOUTH,
RANGE 31 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO
LAND STATUS: BLM

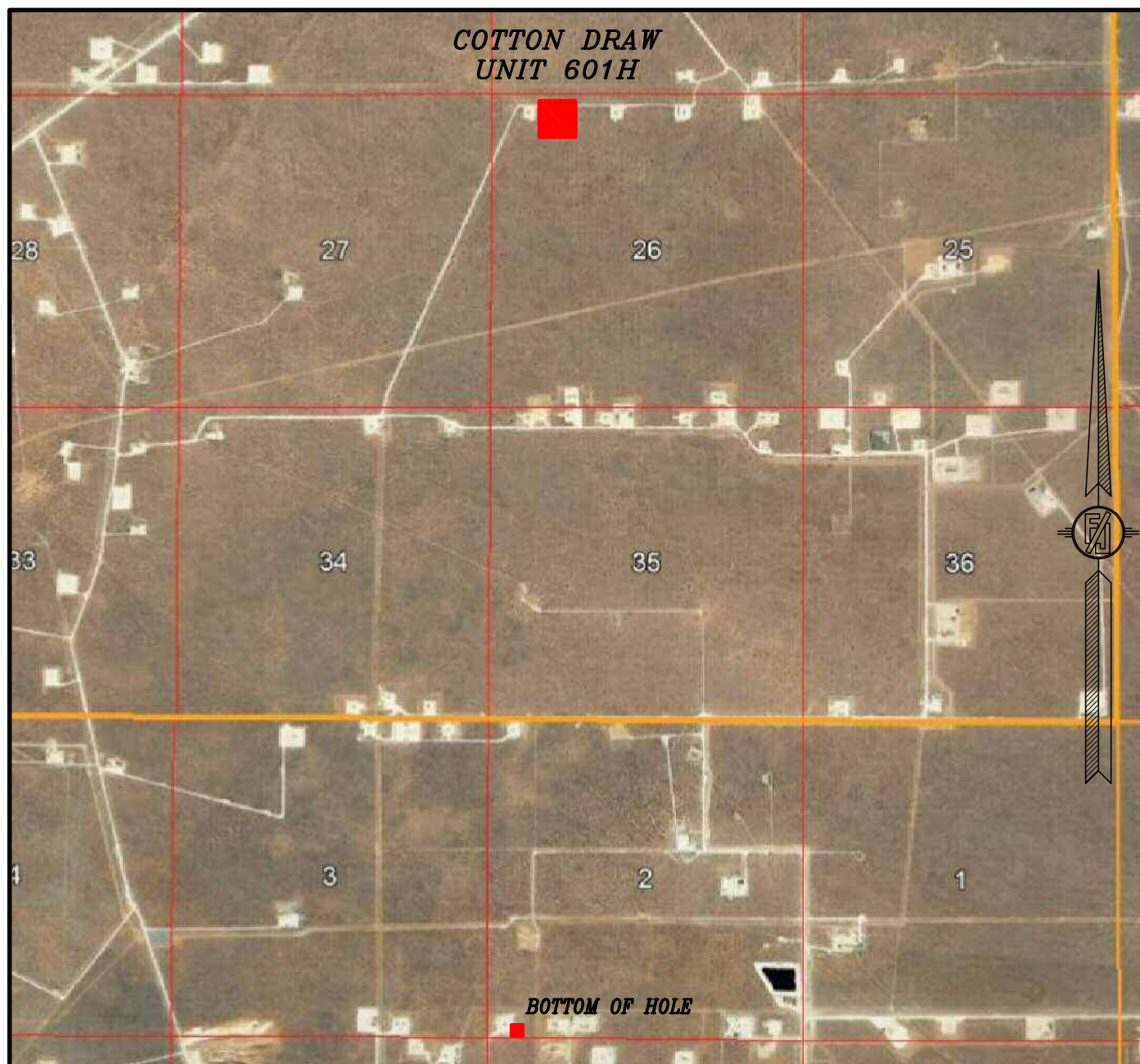
JUNE 15, 2021

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 7990C
CARLSBAD, NEW MEXICO

SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 AERIAL PHOTO



NOT TO SCALE
 AERIAL PHOTO:
 GOOGLE EARTH
 NOVEMBER 2017

DEVON ENERGY PRODUCTION COMPANY, L.P.

COTTON DRAW UNIT 601H

LOCATED 385 FT. FROM THE NORTH LINE
 AND 1135 FT. FROM THE WEST LINE OF
 SECTION 26, TOWNSHIP 24 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LAND STATUS: BLM

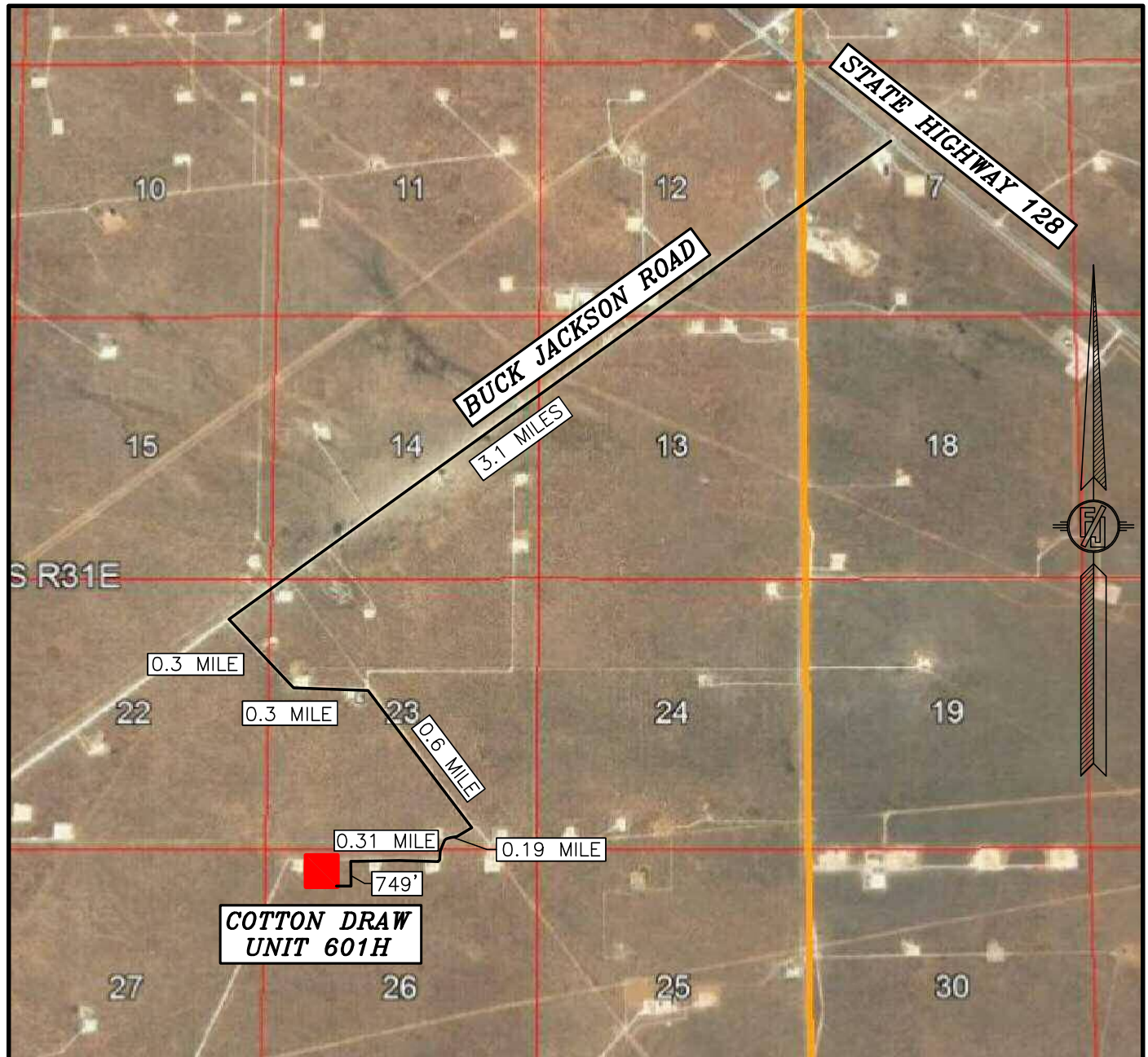
JUNE 15, 2021

SURVEY NO. 7990C

MADRON SURVEYING, INC. 301 SOUTH CANAL
 (575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 ACCESS AERIAL ROUTE MAP



NOT TO SCALE
 AERIAL PHOTO:
 GOOGLE EARTH
 NOVEMBER 2017

DEVON ENERGY PRODUCTION COMPANY, L.P.

COTTON DRAW UNIT 601H

LOCATED 385 FT. FROM THE NORTH LINE
 AND 1135 FT. FROM THE WEST LINE OF
 SECTION 26, TOWNSHIP 24 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LAND STATUS: BLM

JUNE 15, 2021

SURVEY NO. 7990C

MADRON SURVEYING, INC. 301 SOUTH CANAL
 (575) 234-3341

CARLSBAD, NEW MEXICO

—PLAINS BPL

EXISTING 20' CALICHE ROAD

A	—	COTTON	DRAW	UNIT	601H
B	—	COTTON	DRAW	UNIT	602H
C	—	COTTON	DRAW	UNIT	603H
D	—	COTTON	DRAW	UNIT	604H

PAD CENTER
POINT

COTTON DRAW 26 WELLPAD 1
PROPOSED PAD
EL. 3537.0'

PROPOSED 490 LF
ACCESS ROAD

PROPOSED 749 LF
ACCESS ROAD

I, FILIMON F. JARAMILLO, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

DEVON ENERGY PRODUCTION COMPANY, L.P.
GRADING PLAN AND CROSS SECTIONS
FOR COTTON DRAW UNIT 601H
SECTION 26, TOWNSHIP 24 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JUNE 15, 2021

301 SOUTH CANAL
(575) 234-3341

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

CUT	FILL	NET
2797 CU. YD	11799 CU. YD	9002 CU. YD (FILL)

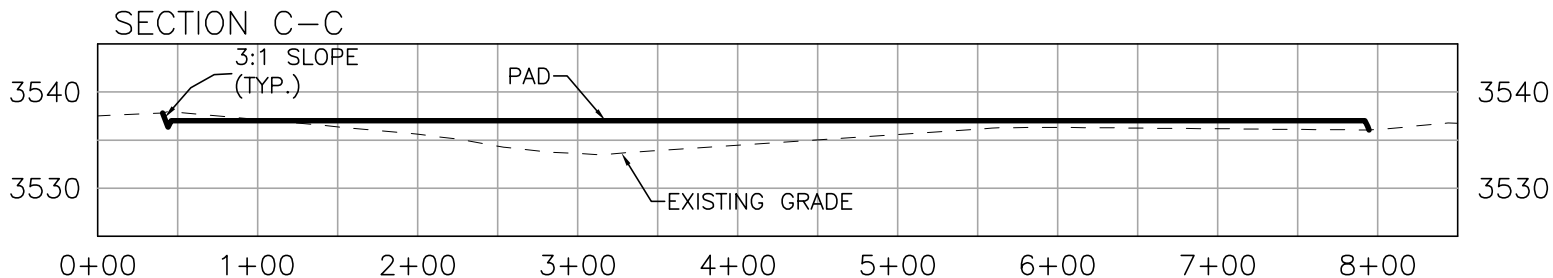
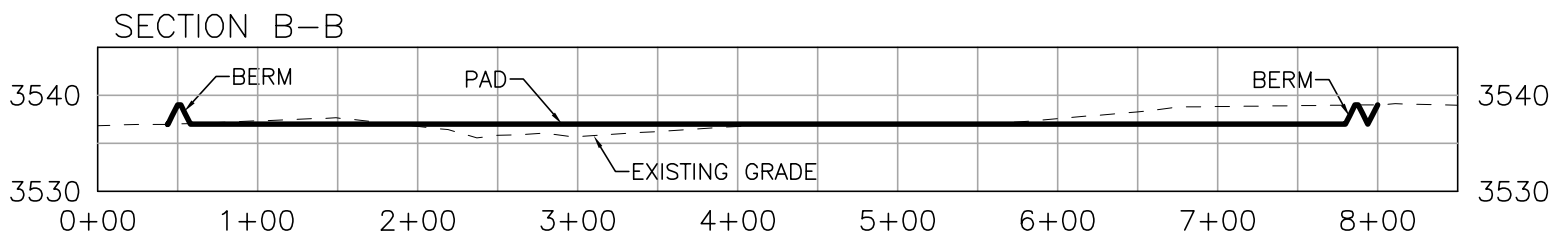
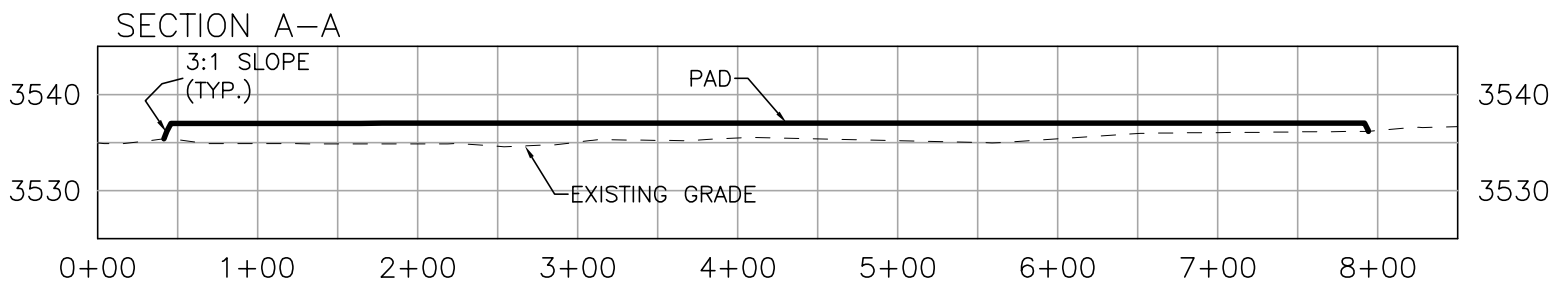
EARTHWORK QUANTITIES ARE ESTIMATED

SHEET 1-2
SURVEY NO. 7990C 

~~FILIMON F. JARAMILLO, JR.~~

Released to Imaging: 9/16/2021 3:29:35 PM

CROSS-SECTIONS



I, FILIMON F. JARAMILLO, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

DEVON ENERGY PRODUCTION COMPANY, L.P.
GRADING PLAN AND CROSS SECTIONS
FOR COTTON DRAW UNIT 601H
 SECTION 26, TOWNSHIP 24 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

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

CUT	FILL	NET
2797 CU. YD	11799 CU. YD	9002 CU. YD (FILL)

EARTHWORK QUANTITIES ARE ESTIMATED

FILIMON F. JARAMILLO 12797



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

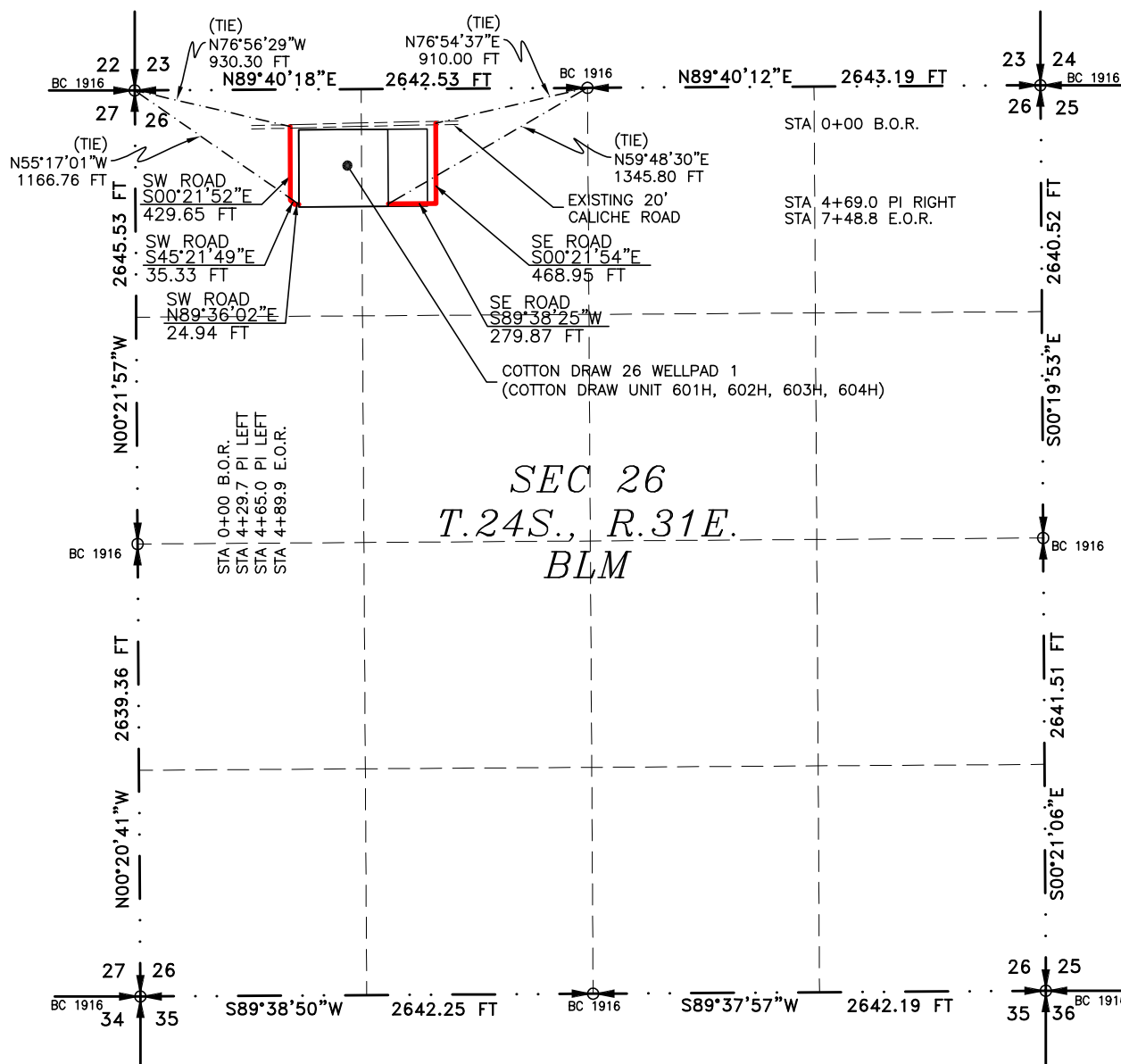
JUNE 15, 2021

SHEET 2-2
 SURVEY NO. 7990C

ACCESS ROAD PLAT (7600351R)

ACCESS ROAD TO COTTON DRAW 26 WELLPAD 1 (COTTON DRAW UNIT 601H, 602H, 603H, 604H)

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 15, 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 Phone (575) 234-3341

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 16TH DAY OF JUNE 2021

FILIMON F. JARAMILLO, PLS. 12797
 NEW MEXICO PROFESSIONAL SURVEYOR

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

SURVEY NO. 7990C

ACCESS ROAD PLAT (7600351R)

ACCESS ROAD TO COTTON DRAW 26 WELLPAD 1 (COTTON DRAW UNIT 601H, 602H, 603H, 604H)

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 15, 2021

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

SOUTHWEST ACCESS ROAD

BEGINNING AT A POINT WITHIN THE NW/4 NW/4 OF SAID SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE NORTHWEST CORNER OF SAID SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N76°56'29"W, A DISTANCE OF 930.30 FEET;

THENCE S00°21'52"E A DISTANCE OF 429.65 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE S45°21'49"E A DISTANCE OF 35.33 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE N89°36'02"E A DISTANCE OF 24.94 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHWEST CORNER OF SAID SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N55°17'01"W, A DISTANCE OF 1166.76 FEET;

SAID STRIP OF LAND BEING 489.92 FEET OR 29.69 RODS IN LENGTH, CONTAINING 0.337 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 NW/4 489.92 L.F. 29.69 RODS 0.337 ACRES

SOUTHEAST ACCESS ROAD

BEGINNING AT A POINT WITHIN THE NE/4 NW/4 OF SAID SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N76°54'37"E, A DISTANCE OF 910.00 FEET;

THENCE S00°21'54"E A DISTANCE OF 468.95 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;

THENCE S89°38'25"W A DISTANCE OF 279.87 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 26, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N59°48'30"E, A DISTANCE OF 1345.80 FEET;

SAID STRIP OF LAND BEING 748.82 FEET OR 45.38 RODS IN LENGTH, CONTAINING 0.516 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NW/4 748.82 L.F. 45.38 RODS 0.516 ACRES

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: 2-2

MADRON SURVEYING, INC.

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 16th DAY OF JUNE 2021



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

SURVEY NO. 7990C

COTTON DRAW UNIT 601H

1. Geologic Formations

TVD of target	9700	Pilot hole depth	N/A
MD at TD:	25289	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	660		
Salt	1010		
Base of Salt	4400		
Cherry Canyon	5360		
Brushy Canyon	6680		
1st Bone Spring Lime	8290		
Bone Spring 1st	9300		

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

COTTON DRAW UNIT 601H

2. Casing Program

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	BTC	0	685	0	685
12 1/4	9 5/8	40	J-55	BTC	0	4500	0	4500
8 3/4	5 1/2	17	P110	BTC	0	25289	0	9700

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

COTTON DRAW UNIT 601H

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft ³ /sack)	Slurry Description
Surface	534	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	492	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	As Needed	Surf	9.0	3.3	Squeeze Lead: Class C Cement + additives
	492	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	500' above shoe	13.2	1.4	Tail: Class H / C + additives
Production	447	500' tieback	9.0	3.3	Lead: Class H / C + additives
	3095	KOP	13.2	1.4	Tail: Class H / C + additives

If a DV tool is ran the depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. Slurry weights will be adjusted based on estimated fracture gradient of the formation. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. If cement is not returned to surface during the primary cement job on the surface casing string, a planned top job will be conducted immediately after completion of the primary job.

Casing String	% Excess
Surface	50%
Intermediate	30%
Production	10%

COTTON DRAW UNIT 601H

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	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*		

COTTON DRAW UNIT 601H

5. Mud Program (Three String Design)

Section	Type	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate	Brine	10-10.5
Production	WBM	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	
	Density	
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH pressure at deepest TVD	4540
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.

COTTON DRAW UNIT 601H

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 pad.
- 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. At 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

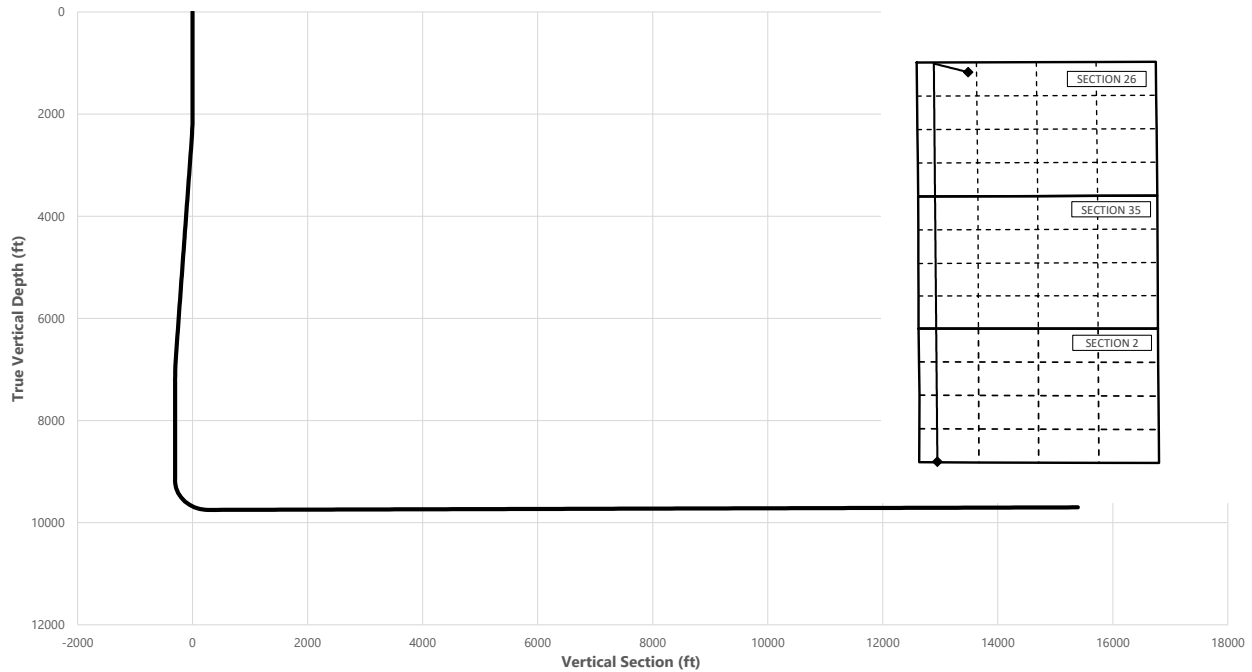
COTTON DRAW UNIT 601H



Well: COTTON DRAW UNIT 601H
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	294.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	294.00	2497.47	17.70	-39.76	-15.93	1.00	Hold Tangent
6781.62	10.00	294.00	6714.04	320.11	-718.98	-288.00	0.00	Drop to Vertical
7281.62	0.00	294.00	7211.51	337.81	-758.74	-303.93	2.00	Hold Vertical
9247.16	0.00	179.72	9177.05	337.81	-758.74	-303.93	0.00	KOP
10149.05	90.19	179.72	9750.00	-237.03	-755.88	270.22	10.00	Landing Point
25289.05	90.19	179.72	9700.00	-15376.76	-680.57	15391.81	0.00	BHL

**Key Depths**

	MD (ft)	TVD (ft)
Rustler	0.00	0.00
Salt	1010.00	1010.00
Base of Salt	4431.88	4400.00
Cherry Canyon	5406.69	5360.00
Brushy Canyon	6747.06	6680.00
1st Bone Spring Lime	8360.12	8290.00
Bone Spring 1st / Point of Penetration	9371.08	9300.00
exit	25209.05	9700.28

SHL
KOP
Point of Penetration
Exit
BHL

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.1944	-103.7535	385' FNL, 1135' FWL of Sec 26 in T24S, R31E
9247.16	9177.05	32.1954	-103.7560	43' FNL, 379' FWL of Sec 26 in T24S, R31E
9371.08	9300.00	32.1953	-103.7558	100' FNL, 400' FWL of Sec 26 in T24S, R31E
25209.05	9700.28	32.1525	-103.7559	100' FSL, 400' FWL of Sec 2 in T25S, R31E
25289.05	9700.00	32.1522	-103.7560	20' FSL, 400' FWL of Sec 2 in T25S, R31E

COTTON DRAW UNIT 601H



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 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	294.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	294.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	294.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	294.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	294.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	294.00	600.00	0.00	0.00	0.00	0.00	
660.00	0.00	294.00	660.00	0.00	0.00	0.00	0.00	Rustler
700.00	0.00	294.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	294.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	294.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	294.00	1000.00	0.00	0.00	0.00	0.00	
1010.00	0.00	294.00	1010.00	0.00	0.00	0.00	0.00	Salt
1100.00	0.00	294.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	294.00	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	294.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	294.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	294.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	294.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	294.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	294.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	294.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	294.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	294.00	2099.98	0.71	-1.59	-0.64	2.00	
2200.00	4.00	294.00	2199.84	2.84	-6.38	-2.55	2.00	
2300.00	6.00	294.00	2299.45	6.38	-14.34	-5.74	2.00	
2400.00	8.00	294.00	2398.70	11.34	-25.47	-10.20	2.00	
2500.00	10.00	294.00	2497.47	17.70	-39.76	-15.93	1.00	Hold Tangent
2600.00	10.00	294.00	2595.95	24.77	-55.62	-22.28	0.00	
2700.00	10.00	294.00	2694.43	31.83	-71.49	-28.64	0.00	
2800.00	10.00	294.00	2792.91	38.89	-87.35	-34.99	0.00	
2900.00	10.00	294.00	2891.39	45.95	-103.21	-41.34	0.00	
3000.00	10.00	294.00	2989.87	53.02	-119.08	-47.70	0.00	
3100.00	10.00	294.00	3088.35	60.08	-134.94	-54.05	0.00	
3200.00	10.00	294.00	3186.83	67.14	-150.80	-60.41	0.00	
3300.00	10.00	294.00	3285.31	74.20	-166.67	-66.76	0.00	
3400.00	10.00	294.00	3383.79	81.27	-182.53	-73.12	0.00	
3500.00	10.00	294.00	3482.27	88.33	-198.40	-79.47	0.00	
3600.00	10.00	294.00	3580.75	95.39	-214.26	-85.83	0.00	
3700.00	10.00	294.00	3679.23	102.46	-230.12	-92.18	0.00	
3800.00	10.00	294.00	3777.72	109.52	-245.99	-98.54	0.00	
3900.00	10.00	294.00	3876.20	116.58	-261.85	-104.89	0.00	
4000.00	10.00	294.00	3974.68	123.64	-277.71	-111.24	0.00	
4100.00	10.00	294.00	4073.16	130.71	-293.58	-117.60	0.00	
4200.00	10.00	294.00	4171.64	137.77	-309.44	-123.95	0.00	
4300.00	10.00	294.00	4270.12	144.83	-325.30	-130.31	0.00	
4400.00	10.00	294.00	4368.60	151.90	-341.17	-136.66	0.00	
4431.88	10.00	294.00	4400.00	154.15	-346.23	-138.69	0.00	Base of Salt
4500.00	10.00	294.00	4467.08	158.96	-357.03	-143.02	0.00	
4600.00	10.00	294.00	4565.56	166.02	-372.89	-149.37	0.00	
4700.00	10.00	294.00	4664.04	173.08	-388.76	-155.73	0.00	
4800.00	10.00	294.00	4762.52	180.15	-404.62	-162.08	0.00	
4900.00	10.00	294.00	4861.00	187.21	-420.49	-168.43	0.00	
5000.00	10.00	294.00	4959.48	194.27	-436.35	-174.79	0.00	
5100.00	10.00	294.00	5057.97	201.34	-452.21	-181.14	0.00	
5200.00	10.00	294.00	5156.45	208.40	-468.08	-187.50	0.00	
5300.00	10.00	294.00	5254.93	215.46	-483.94	-193.85	0.00	
5400.00	10.00	294.00	5353.41	222.52	-499.80	-200.21	0.00	
5406.69	10.00	294.00	5360.00	223.00	-500.87	-200.63	0.00	Cherry Canyon
5500.00	10.00	294.00	5451.89	229.59	-515.67	-206.56	0.00	
5600.00	10.00	294.00	5550.37	236.65	-531.53	-212.92	0.00	
5700.00	10.00	294.00	5648.85	243.71	-547.39	-219.27	0.00	
5800.00	10.00	294.00	5747.33	250.78	-563.26	-225.62	0.00	
5900.00	10.00	294.00	5845.81	257.84	-579.12	-231.98	0.00	
6000.00	10.00	294.00	5944.29	264.90	-594.98	-238.33	0.00	
6100.00	10.00	294.00	6042.77	271.96	-610.85	-244.69	0.00	
6200.00	10.00	294.00	6141.25	279.03	-626.71	-251.04	0.00	
6300.00	10.00	294.00	6239.73	286.09	-642.58	-257.40	0.00	
6400.00	10.00	294.00	6338.22	293.15	-658.44	-263.75	0.00	
6500.00	10.00	294.00	6436.70	300.22	-674.30	-270.11	0.00	

COTTON DRAW UNIT 601H



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Wellbore: Permit Plan
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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
6600.00	10.00	294.00	6535.18	307.28	-690.17	-276.46	0.00	
6700.00	10.00	294.00	6633.66	314.34	-706.03	-282.81	0.00	
6747.06	10.00	294.00	6680.00	317.66	-713.49	-285.81	0.00	Brushy Canyon
6781.62	10.00	294.00	6714.04	320.11	-718.98	-288.00	0.00	Drop to Vertical
6800.00	9.63	294.00	6732.15	321.38	-721.84	-289.15	2.00	
6900.00	7.63	294.00	6831.01	327.49	-735.55	-294.64	2.00	
7000.00	5.63	294.00	6930.34	332.19	-746.10	-298.87	2.00	
7100.00	3.63	294.00	7030.00	335.47	-753.48	-301.83	2.00	
7200.00	1.63	294.00	7129.89	337.34	-757.68	-303.51	2.00	
7281.62	0.00	294.00	7211.51	337.81	-758.74	-303.93	2.00	Hold Vertical
7300.00	0.00	179.72	7229.88	337.81	-758.74	-303.93	0.00	
7400.00	0.00	179.72	7329.88	337.81	-758.74	-303.93	0.00	
7500.00	0.00	179.72	7429.88	337.81	-758.74	-303.93	0.00	
7600.00	0.00	179.72	7529.88	337.81	-758.74	-303.93	0.00	
7700.00	0.00	179.72	7629.88	337.81	-758.74	-303.93	0.00	
7800.00	0.00	179.72	7729.88	337.81	-758.74	-303.93	0.00	
7900.00	0.00	179.72	7829.88	337.81	-758.74	-303.93	0.00	
8000.00	0.00	179.72	7929.88	337.81	-758.74	-303.93	0.00	
8100.00	0.00	179.72	8029.88	337.81	-758.74	-303.93	0.00	
8200.00	0.00	179.72	8129.88	337.81	-758.74	-303.93	0.00	
8300.00	0.00	179.72	8229.88	337.81	-758.74	-303.93	0.00	
8360.12	0.00	179.72	8290.00	337.81	-758.74	-303.93	0.00	1st Bone Spring Lime
8400.00	0.00	179.72	8329.88	337.81	-758.74	-303.93	0.00	
8500.00	0.00	179.72	8429.88	337.81	-758.74	-303.93	0.00	
8600.00	0.00	179.72	8529.88	337.81	-758.74	-303.93	0.00	
8700.00	0.00	179.72	8629.88	337.81	-758.74	-303.93	0.00	
8800.00	0.00	179.72	8729.88	337.81	-758.74	-303.93	0.00	
8900.00	0.00	179.72	8829.88	337.81	-758.74	-303.93	0.00	
9000.00	0.00	179.72	8929.88	337.81	-758.74	-303.93	0.00	
9100.00	0.00	179.72	9029.88	337.81	-758.74	-303.93	0.00	
9200.00	0.00	179.72	9129.88	337.81	-758.74	-303.93	0.00	
9247.16	0.00	179.72	9177.05	337.81	-758.74	-303.93	0.00	KOP
9300.00	5.28	179.72	9229.81	335.38	-758.73	-301.50	10.00	
9371.08	12.39	179.72	9300.00	324.46	-758.67	-290.60	10.00	Bone Spring 1st / Point of Penetration
9400.00	15.28	179.72	9328.08	317.55	-758.64	-283.69	10.00	
9500.00	25.28	179.72	9421.76	282.92	-758.46	-249.11	10.00	
9600.00	35.28	179.72	9508.00	232.56	-758.21	-198.81	10.00	
9700.00	45.28	179.72	9584.19	167.99	-757.89	-134.31	10.00	
9800.00	55.28	179.72	9648.01	91.16	-757.51	-57.58	10.00	
9900.00	65.28	179.72	9697.51	4.43	-757.08	29.06	10.00	
10000.00	75.28	179.72	9731.21	-89.59	-756.61	122.96	10.00	
10100.00	85.28	179.72	9748.06	-188.03	-756.12	221.28	10.00	
10149.05	90.19	179.72	9750.00	-237.03	-755.88	270.22	10.00	Landing Point
10200.00	90.19	179.72	9749.83	-287.98	-755.62	321.11	0.00	
10300.00	90.19	179.72	9749.50	-387.97	-755.13	420.99	0.00	
10400.00	90.19	179.72	9749.17	-487.97	-754.63	520.86	0.00	
10500.00	90.19	179.72	9748.84	-587.97	-754.13	620.74	0.00	
10600.00	90.19	179.72	9748.51	-687.97	-753.63	720.62	0.00	
10700.00	90.19	179.72	9748.18	-787.97	-753.14	820.50	0.00	
10800.00	90.19	179.72	9747.85	-887.97	-752.64	920.38	0.00	
10900.00	90.19	179.72	9747.52	-987.96	-752.14	1020.26	0.00	
11000.00	90.19	179.72	9747.19	-1087.96	-751.64	1120.13	0.00	
11100.00	90.19	179.72	9746.86	-1187.96	-751.15	1220.01	0.00	
11200.00	90.19	179.72	9746.53	-1287.96	-750.65	1319.89	0.00	
11300.00	90.19	179.72	9746.20	-1387.96	-750.15	1419.77	0.00	
11400.00	90.19	179.72	9745.87	-1487.96	-749.65	1519.65	0.00	
11500.00	90.19	179.72	9745.54	-1587.95	-749.15	1619.53	0.00	
11600.00	90.19	179.72	9745.21	-1687.95	-748.66	1719.40	0.00	
11700.00	90.19	179.72	9744.88	-1787.95	-748.16	1819.28	0.00	
11800.00	90.19	179.72	9744.55	-1887.95	-747.66	1919.16	0.00	
11900.00	90.19	179.72	9744.22	-1987.95	-747.16	2019.04	0.00	
12000.00	90.19	179.72	9743.89	-2087.94	-746.67	2118.92	0.00	
12100.00	90.19	179.72	9743.56	-2187.94	-746.17	2218.80	0.00	
12200.00	90.19	179.72	9743.23	-2287.94	-745.67	2318.67	0.00	
12300.00	90.19	179.72	9742.90	-2387.94	-745.17	2418.55	0.00	
12400.00	90.19	179.72	9742.57	-2487.94	-744.68	2518.43	0.00	
12500.00	90.19	179.72	9742.24	-2587.94	-744.18	2618.31	0.00	
12600.00	90.19	179.72	9741.91	-2687.93	-743.68	2718.19	0.00	
12700.00	90.19	179.72	9741.58	-2787.93	-743.18	2818.07	0.00	
12800.00	90.19	179.72	9741.25	-2887.93	-742.68	2917.95	0.00	

COTTON DRAW UNIT 601H



Well: COTTON DRAW UNIT 601H
 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	INC	AZI	TVD	NS	EW	VS	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	
12900.00	90.19	179.72	9740.92	-2987.93	-742.19	3017.82	0.00	
13000.00	90.19	179.72	9740.59	-3087.93	-741.69	3117.70	0.00	
13100.00	90.19	179.72	9740.26	-3187.92	-741.19	3217.58	0.00	
13200.00	90.19	179.72	9739.93	-3287.92	-740.69	3317.46	0.00	
13300.00	90.19	179.72	9739.60	-3387.92	-740.20	3417.34	0.00	
13400.00	90.19	179.72	9739.27	-3487.92	-739.70	3517.22	0.00	
13500.00	90.19	179.72	9738.94	-3587.92	-739.20	3617.09	0.00	
13600.00	90.19	179.72	9738.61	-3687.92	-738.70	3716.97	0.00	
13700.00	90.19	179.72	9738.28	-3787.91	-738.21	3816.85	0.00	
13800.00	90.19	179.72	9737.95	-3887.91	-737.71	3916.73	0.00	
13900.00	90.19	179.72	9737.62	-3987.91	-737.21	4016.61	0.00	
14000.00	90.19	179.72	9737.29	-4087.91	-736.71	4116.49	0.00	
14100.00	90.19	179.72	9736.96	-4187.91	-736.21	4216.36	0.00	
14200.00	90.19	179.72	9736.63	-4287.91	-735.72	4316.24	0.00	
14300.00	90.19	179.72	9736.30	-4387.90	-735.22	4416.12	0.00	
14400.00	90.19	179.72	9735.97	-4487.90	-734.72	4516.00	0.00	
14500.00	90.19	179.72	9735.64	-4587.90	-734.22	4615.88	0.00	
14600.00	90.19	179.72	9735.31	-4687.90	-733.73	4715.76	0.00	
14700.00	90.19	179.72	9734.98	-4787.90	-733.23	4815.64	0.00	
14800.00	90.19	179.72	9734.65	-4887.89	-732.73	4915.51	0.00	
14900.00	90.19	179.72	9734.32	-4987.89	-732.23	5015.39	0.00	
15000.00	90.19	179.72	9733.99	-5087.89	-731.74	5115.27	0.00	
15100.00	90.19	179.72	9733.66	-5187.89	-731.24	5215.15	0.00	
15200.00	90.19	179.72	9733.33	-5287.89	-730.74	5315.03	0.00	
15300.00	90.19	179.72	9733.00	-5387.89	-730.24	5414.91	0.00	
15400.00	90.19	179.72	9732.67	-5487.88	-729.74	5514.78	0.00	
15500.00	90.19	179.72	9732.34	-5587.88	-729.25	5614.66	0.00	
15600.00	90.19	179.72	9732.01	-5687.88	-728.75	5714.54	0.00	
15700.00	90.19	179.72	9731.68	-5787.88	-728.25	5814.42	0.00	
15800.00	90.19	179.72	9731.35	-5887.88	-727.75	5914.30	0.00	
15900.00	90.19	179.72	9731.02	-5987.87	-727.26	6014.18	0.00	
16000.00	90.19	179.72	9730.68	-6087.87	-726.76	6114.05	0.00	
16100.00	90.19	179.72	9730.35	-6187.87	-726.26	6213.93	0.00	
16200.00	90.19	179.72	9730.02	-6287.87	-725.76	6313.81	0.00	
16300.00	90.19	179.72	9729.69	-6387.87	-725.27	6413.69	0.00	
16400.00	90.19	179.72	9729.36	-6487.87	-724.77	6513.57	0.00	
16500.00	90.19	179.72	9729.03	-6587.86	-724.27	6613.45	0.00	
16600.00	90.19	179.72	9728.70	-6687.86	-723.77	6713.32	0.00	
16700.00	90.19	179.72	9728.37	-6787.86	-723.28	6813.20	0.00	
16800.00	90.19	179.72	9728.04	-6887.86	-722.78	6913.08	0.00	
16900.00	90.19	179.72	9727.71	-6987.86	-722.28	7012.96	0.00	
17000.00	90.19	179.72	9727.38	-7087.86	-721.78	7112.84	0.00	
17100.00	90.19	179.72	9727.05	-7187.85	-721.28	7212.72	0.00	
17200.00	90.19	179.72	9726.72	-7287.85	-720.79	7312.60	0.00	
17300.00	90.19	179.72	9726.39	-7387.85	-720.29	7412.47	0.00	
17400.00	90.19	179.72	9726.06	-7487.85	-719.79	7512.35	0.00	
17500.00	90.19	179.72	9725.73	-7587.85	-719.29	7612.23	0.00	
17600.00	90.19	179.72	9725.40	-7687.84	-718.80	7712.11	0.00	
17700.00	90.19	179.72	9725.07	-7787.84	-718.30	7811.99	0.00	
17800.00	90.19	179.72	9724.74	-7887.84	-717.80	7911.87	0.00	
17900.00	90.19	179.72	9724.41	-7987.84	-717.30	8011.74	0.00	
18000.00	90.19	179.72	9724.08	-8087.84	-716.81	8111.62	0.00	
18100.00	90.19	179.72	9723.75	-8187.84	-716.31	8211.50	0.00	
18200.00	90.19	179.72	9723.42	-8287.83	-715.81	8311.38	0.00	
18300.00	90.19	179.72	9723.09	-8387.83	-715.31	8411.26	0.00	
18400.00	90.19	179.72	9722.76	-8487.83	-714.81	8511.14	0.00	
18500.00	90.19	179.72	9722.43	-8587.83	-714.32	8611.01	0.00	
18600.00	90.19	179.72	9722.10	-8687.83	-713.82	8710.89	0.00	
18700.00	90.19	179.72	9721.77	-8787.83	-713.32	8810.77	0.00	
18800.00	90.19	179.72	9721.44	-8887.82	-712.82	8910.65	0.00	
18900.00	90.19	179.72	9721.11	-8987.82	-712.33	9010.53	0.00	
19000.00	90.19	179.72	9720.78	-9087.82	-711.83	9110.41	0.00	
19100.00	90.19	179.72	9720.45	-9187.82	-711.33	9210.28	0.00	
19200.00	90.19	179.72	9720.12	-9287.82	-710.83	9310.16	0.00	
19300.00	90.19	179.72	9719.79	-9387.81	-710.34	9410.04	0.00	
19400.00	90.19	179.72	9719.46	-9487.81	-709.84	9509.92	0.00	
19500.00	90.19	179.72	9719.13	-9587.81	-709.34	9609.80	0.00	
19600.00	90.19	179.72	9718.80	-9687.81	-708.84	9709.68	0.00	
19700.00	90.19	179.72	9718.47	-9787.81	-708.34	9809.56	0.00	
19800.00	90.19	179.72	9718.14	-9887.81	-707.85	9909.43	0.00	

COTTON DRAW UNIT 601H



Well: COTTON DRAW UNIT 601H
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 Ellipsoid: Clarke 1866
 Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	VS	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	
19900.00	90.19	179.72	9717.81	-9987.80	-707.35	10009.31	0.00	
20000.00	90.19	179.72	9717.48	-10087.80	-706.85	10109.19	0.00	
20100.00	90.19	179.72	9717.15	-10187.80	-706.35	10209.07	0.00	
20200.00	90.19	179.72	9716.82	-10287.80	-705.86	10308.95	0.00	
20300.00	90.19	179.72	9716.49	-10387.80	-705.36	10408.83	0.00	
20400.00	90.19	179.72	9716.16	-10487.79	-704.86	10508.70	0.00	
20500.00	90.19	179.72	9715.83	-10587.79	-704.36	10608.58	0.00	
20600.00	90.19	179.72	9715.50	-10687.79	-703.87	10708.46	0.00	
20700.00	90.19	179.72	9715.17	-10787.79	-703.37	10808.34	0.00	
20800.00	90.19	179.72	9714.84	-10887.79	-702.87	10908.22	0.00	
20900.00	90.19	179.72	9714.51	-10987.79	-702.37	11008.10	0.00	
21000.00	90.19	179.72	9714.18	-11087.78	-701.87	11107.97	0.00	
21100.00	90.19	179.72	9713.85	-11187.78	-701.38	11207.85	0.00	
21200.00	90.19	179.72	9713.52	-11287.78	-700.88	11307.73	0.00	
21300.00	90.19	179.72	9713.19	-11387.78	-700.38	11407.61	0.00	
21400.00	90.19	179.72	9712.86	-11487.78	-699.88	11507.49	0.00	
21500.00	90.19	179.72	9712.53	-11587.78	-699.39	11607.37	0.00	
21600.00	90.19	179.72	9712.20	-11687.77	-698.89	11707.24	0.00	
21700.00	90.19	179.72	9711.87	-11787.77	-698.39	11807.12	0.00	
21800.00	90.19	179.72	9711.54	-11887.77	-697.89	11907.00	0.00	
21900.00	90.19	179.72	9711.21	-11987.77	-697.40	12006.88	0.00	
22000.00	90.19	179.72	9710.88	-12087.77	-696.90	12106.76	0.00	
22100.00	90.19	179.72	9710.55	-12187.76	-696.40	12206.64	0.00	
22200.00	90.19	179.72	9710.22	-12287.76	-695.90	12306.52	0.00	
22300.00	90.19	179.72	9709.89	-12387.76	-695.41	12406.39	0.00	
22400.00	90.19	179.72	9709.56	-12487.76	-694.91	12506.27	0.00	
22500.00	90.19	179.72	9709.23	-12587.76	-694.41	12606.15	0.00	
22600.00	90.19	179.72	9708.90	-12687.76	-693.91	12706.03	0.00	
22700.00	90.19	179.72	9708.57	-12787.75	-693.41	12805.91	0.00	
22800.00	90.19	179.72	9708.24	-12887.75	-692.92	12905.79	0.00	
22900.00	90.19	179.72	9707.91	-12987.75	-692.42	13005.66	0.00	
23000.00	90.19	179.72	9707.58	-13087.75	-691.92	13105.54	0.00	
23100.00	90.19	179.72	9707.25	-13187.75	-691.42	13205.42	0.00	
23200.00	90.19	179.72	9706.92	-13287.74	-690.93	13305.30	0.00	
23300.00	90.19	179.72	9706.59	-13387.74	-690.43	13405.18	0.00	
23400.00	90.19	179.72	9706.26	-13487.74	-689.93	13505.06	0.00	
23500.00	90.19	179.72	9705.93	-13587.74	-689.43	13604.93	0.00	
23600.00	90.19	179.72	9705.60	-13687.74	-688.94	13704.81	0.00	
23700.00	90.19	179.72	9705.27	-13787.74	-688.44	13804.69	0.00	
23800.00	90.19	179.72	9704.94	-13887.73	-687.94	13904.57	0.00	
23900.00	90.19	179.72	9704.61	-13987.73	-687.44	14004.45	0.00	
24000.00	90.19	179.72	9704.28	-14087.73	-686.94	14104.33	0.00	
24100.00	90.19	179.72	9703.95	-14187.73	-686.45	14204.21	0.00	
24200.00	90.19	179.72	9703.62	-14287.73	-685.95	14304.08	0.00	
24300.00	90.19	179.72	9703.29	-14387.73	-685.45	14403.96	0.00	
24400.00	90.19	179.72	9702.96	-14487.72	-684.95	14503.84	0.00	
24500.00	90.19	179.72	9702.62	-14587.72	-684.46	14603.72	0.00	
24600.00	90.19	179.72	9702.29	-14687.72	-683.96	14703.60	0.00	
24700.00	90.19	179.72	9701.96	-14787.72	-683.46	14803.48	0.00	
24800.00	90.19	179.72	9701.63	-14887.72	-682.96	14903.35	0.00	
24900.00	90.19	179.72	9701.30	-14987.71	-682.47	15003.23	0.00	
25000.00	90.19	179.72	9700.97	-15087.71	-681.97	15103.11	0.00	
25100.00	90.19	179.72	9700.64	-15187.71	-681.47	15202.99	0.00	
25200.00	90.19	179.72	9700.31	-15287.71	-680.97	15302.87	0.00	
25209.05	90.19	179.72	9700.28	-15296.76	-680.93	15311.91	0.00	exit
25289.05	90.19	179.72	9700.00	-15376.76	-680.57	15391.81	0.00	BHL

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 48329

COMMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 48329
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 9/16/2021	9/16/2021

District I
1625 N. French Dr., Hobbs, NM 88240
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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 48329

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 48329
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	9/16/2021