

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-103
 Revised August 1, 2011

WELL API NO.	30-015-47299
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	NMNM0012121
7. Lease Name or Unit Agreement Name	COTTON DRAW UNIT
8. Well Number	#601H
9. OGRID Number	6137
10. Pool name or Wildcat	; PURPLE SAGE; WOLFCAMP (GAS)

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator	Devon Energy Production Company, L.P.
3. Address of Operator	333 West Sheridan, Oklahoma City, OK 73102
4. Well Location	
Unit Letter <u>D</u> ; <u>385</u> feet from the <u>North</u> line and <u>1130</u> feet from the <u>West</u> line	
Section <u>26</u> Township <u>24S</u> Range <u>31E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	GL: 3536

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

PLEASE SEE ATTACHED BLM APPROVAL. Procedure Description: SHL/BHL/ CHANGE: Devon Energy Production Co., L.P. (Devon) respectfully requests to move the SHL/BHL and on the subject well. Please see attached revised C102, Drill plan, directional plan.

Permitted SHL: NWNW, 26-24S-31E, 385 FNL, 1130 FWL Proposed SHL: NWNW, 26-24S-31E, 385 FNL, 1135 FWL
 Permitted BHL: SWNW, 35-24S-31E; 2314 FNL, 400 FWL Proposed BHL: SWNW, 35-24S-31E; 2620 FNL, 400 FWL

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jenny Harms TITLE Regulatory Specialist DATE 2/22/2021

Type or print name Jenny Harms E-mail address: jenny.harms@devon.com PHONE: 405-552-6560
For State Use Only

APPROVED BY: John Garcia TITLE Petroleum Specialist DATE 3/9/2021

Conditions of Approval (if any):
Well will require an NSL order prior to being placed on production

District I
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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 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
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
E	35	24 S	31 E		2620	NORTH	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.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Jenny Harms</i> 1-15-2021 Signature Date</p> <p>Printed Name JENNY.HARMS@DVN.COM</p> <p>E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>OCTOBER 20, 2020 Date of Survey</p> <p><i>William F. Jaramilla</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: 12797 WILLIAM F. JARAMILLA, PLS 12797 NEW MEXICO PROFESSIONAL SURVEYOR, NO. 7990B</p>

Intent ☒ As Drilled ☐API #
30-015-47299

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 37 FNL	From N/S	Feet 400 FWL	From E/W	County EDDY
Latitude 32.19540191					Longitude -103.75583630			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 E	Section 35	Township 24S	Range 31E	Lot	Feet 2520	From N/S NORTH	Feet 400	From E/W WEST	County EDDY
Latitude 32.1741469					Longitude 103.7558480			NAD 83	

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

☒ YES

Is this well an infill well?

☐ NO

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

COTTON DRAW UNIT 601H

1. Geologic Formations

TVD of target	12290	Pilot hole depth	N/A
MD at TD:	20004	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		
Bone Spring 2nd	9920		
3rd Bone Spring Lime	10440		
Bone Spring 3rd	11215		
Wolfcamp	11700		

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

COTTON DRAW UNIT 601H

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	685	0	685
9 7/8	8 5/8	32	P110	TLW	0	11700	0	11700
7 7/8	5 1/2	17	P110	BTC	0	20004	0	12290

• 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	534	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	451	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
	451	Surf	9	3.27	Lead: Class C Cement + additives
	465	4000' above	13.2	1.44	Tail: Class H / C + additives
Production	117	9811	9	3.27	Lead: Class H / C + additives
	1084	11811	13.2	1.44	Tail: Class H / C + additives

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

COTTON DRAW UNIT 601H

4. Pressure Control Equipment (Three String Design)

Well Pressure Control Equipment (Pilot Setting Design)						
BOP installed and tested before drilling which hole?		Size?	Min. Required WP	Type	✓	Tested to:
Int 1	13-5/8"	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	100% of rated working pressure
			Blind Ram		X	10M
			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					

COTTON DRAW UNIT 601H

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
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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	6710
Abnormal temperature	No

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

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

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

8. Other facets of operation

Is this a walking operation? Potentially

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

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

COTTON DRAW UNIT 601H

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

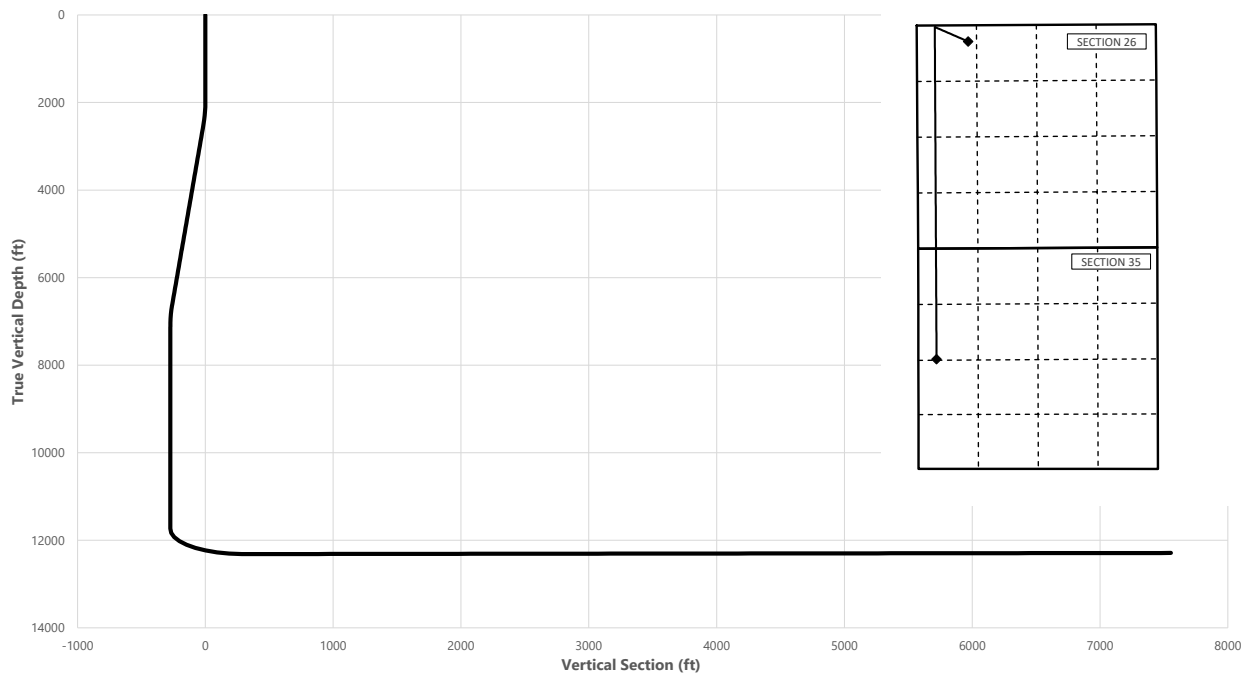
COTTON DRAW UNIT 601H



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	295.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	295.00	2497.47	18.39	-39.44	-14.67	1.00	Hold Tangent
6686.96	10.00	295.00	6620.82	325.66	-698.38	-259.67	0.00	Drop to Vertical
7186.96	0.00	295.00	7118.29	344.06	-737.83	-274.34	2.00	Hold Vertical
11810.72	0.00	179.72	11742.05	344.06	-737.83	-274.34	0.00	KOP
12712.69	90.20	179.72	12315.00	-230.86	-734.97	297.85	10.00	Landing Point
20004.20	90.20	179.72	12290.00	-7522.24	-698.70	7554.62	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	6746.95	6680.00
1st Bone Spring Lime	8358.68	8290.00
Bone Spring 1st	9368.68	9300.00
Bone Spring 2nd	9988.68	9920.00
3rd Bone Spring Lime	10508.68	10440.00
Bone Spring 3rd	11283.68	11215.00
Wolfcamp / Point of Penetration	11768.68	11700.00
EXIT	19924.20	12290.28

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
11810.72	11742.05	32.1954	-103.7559	37' FNL, 400' FWL of Sec 26 in T24S, R31E
11768.68	11700.00	32.1853	-103.7558	100' FNL, 400' FWL of Sec 26 in T24S, R31E
19924.20	12290.28	32.1741	-103.7558	2520' FNL, 400' FWL of Sec 35 in T24S, R31E
20004.20	12290.00	32.1738	-103.7559	2620' FNL, 400' FWL of Sec 35 in T24S, R31E

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
100.00	0.00	295.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	295.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	295.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	295.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	295.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	295.00	600.00	0.00	0.00	0.00	0.00	
660.00	0.00	295.00	660.00	0.00	0.00	0.00	0.00	Rustler
700.00	0.00	295.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	295.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	295.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	295.00	1000.00	0.00	0.00	0.00	0.00	
1010.00	0.00	295.00	1010.00	0.00	0.00	0.00	0.00	Salt
1100.00	0.00	295.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	295.00	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	295.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	295.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	295.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	295.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	295.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	295.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	295.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	295.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	295.00	2099.98	0.74	-1.58	-0.59	2.00	
2200.00	4.00	295.00	2199.84	2.95	-6.32	-2.35	2.00	
2300.00	6.00	295.00	2299.45	6.63	-14.22	-5.29	2.00	
2400.00	8.00	295.00	2398.70	11.78	-25.27	-9.39	2.00	
2500.00	10.00	295.00	2497.47	18.39	-39.44	-14.67	1.00	Hold Tangent
2600.00	10.00	295.00	2595.95	25.73	-55.18	-20.52	0.00	
2700.00	10.00	295.00	2694.43	33.07	-70.92	-26.37	0.00	
2800.00	10.00	295.00	2792.91	40.41	-86.66	-32.22	0.00	
2900.00	10.00	295.00	2891.39	47.75	-102.40	-38.07	0.00	
3000.00	10.00	295.00	2989.87	55.09	-118.13	-43.92	0.00	
3100.00	10.00	295.00	3088.35	62.43	-133.87	-49.78	0.00	
3200.00	10.00	295.00	3186.83	69.76	-149.61	-55.63	0.00	
3300.00	10.00	295.00	3285.31	77.10	-165.35	-61.48	0.00	
3400.00	10.00	295.00	3383.79	84.44	-181.09	-67.33	0.00	
3500.00	10.00	295.00	3482.27	91.78	-196.82	-73.18	0.00	
3600.00	10.00	295.00	3580.75	99.12	-212.56	-79.03	0.00	
3700.00	10.00	295.00	3679.23	106.46	-228.30	-84.89	0.00	
3800.00	10.00	295.00	3777.72	113.80	-244.04	-90.74	0.00	
3900.00	10.00	295.00	3876.20	121.13	-259.78	-96.59	0.00	
4000.00	10.00	295.00	3974.68	128.47	-275.51	-102.44	0.00	
4100.00	10.00	295.00	4073.16	135.81	-291.25	-108.29	0.00	
4200.00	10.00	295.00	4171.64	143.15	-306.99	-114.14	0.00	
4300.00	10.00	295.00	4270.12	150.49	-322.73	-120.00	0.00	
4400.00	10.00	295.00	4368.60	157.83	-338.46	-125.85	0.00	
4431.88	10.00	295.00	4400.00	160.17	-343.48	-127.71	0.00	Base of Salt
4500.00	10.00	295.00	4467.08	165.17	-354.20	-131.70	0.00	
4600.00	10.00	295.00	4565.56	172.50	-369.94	-137.55	0.00	
4700.00	10.00	295.00	4664.04	179.84	-385.68	-143.40	0.00	
4800.00	10.00	295.00	4762.52	187.18	-401.42	-149.25	0.00	
4900.00	10.00	295.00	4861.00	194.52	-417.15	-155.10	0.00	
5000.00	10.00	295.00	4959.48	201.86	-432.89	-160.96	0.00	
5100.00	10.00	295.00	5057.97	209.20	-448.63	-166.81	0.00	
5200.00	10.00	295.00	5156.45	216.54	-464.37	-172.66	0.00	
5300.00	10.00	295.00	5254.93	223.87	-480.11	-178.51	0.00	
5400.00	10.00	295.00	5353.41	231.21	-495.84	-184.36	0.00	
5406.69	10.00	295.00	5360.00	231.70	-496.90	-184.75	0.00	Cherry Canyon
5500.00	10.00	295.00	5451.89	238.55	-511.58	-190.21	0.00	
5600.00	10.00	295.00	5550.37	245.89	-527.32	-196.07	0.00	
5700.00	10.00	295.00	5648.85	253.23	-543.06	-201.92	0.00	
5800.00	10.00	295.00	5747.33	260.57	-558.80	-207.77	0.00	
5900.00	10.00	295.00	5845.81	267.91	-574.53	-213.62	0.00	
6000.00	10.00	295.00	5944.29	275.24	-590.27	-219.47	0.00	
6100.00	10.00	295.00	6042.77	282.58	-606.01	-225.32	0.00	
6200.00	10.00	295.00	6141.25	289.92	-621.75	-231.18	0.00	
6300.00	10.00	295.00	6239.73	297.26	-637.48	-237.03	0.00	
6400.00	10.00	295.00	6338.22	304.60	-653.22	-242.88	0.00	
6500.00	10.00	295.00	6436.70	311.94	-668.96	-248.73	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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6600.00	10.00	295.00	6535.18	319.28	-684.70	-254.58	0.00	
6686.96	10.00	295.00	6620.82	325.66	-698.38	-259.67	0.00	Drop to Vertical
6700.00	9.74	295.00	6633.66	326.61	-700.41	-260.43	2.00	
6746.95	8.80	295.00	6680.00	329.80	-707.26	-262.98	2.00	Brushy Canyon
6800.00	7.74	295.00	6732.50	333.03	-714.18	-265.55	2.00	
6900.00	5.74	295.00	6831.80	337.99	-724.81	-269.50	2.00	
7000.00	3.74	295.00	6931.45	341.48	-732.30	-272.29	2.00	
7100.00	1.74	295.00	7031.33	343.50	-736.63	-273.90	2.00	
7186.96	0.00	295.00	7118.29	344.06	-737.83	-274.34	2.00	Hold Vertical
7200.00	0.00	179.72	7131.32	344.06	-737.83	-274.34	0.00	
7300.00	0.00	179.72	7231.32	344.06	-737.83	-274.34	0.00	
7400.00	0.00	179.72	7331.32	344.06	-737.83	-274.34	0.00	
7500.00	0.00	179.72	7431.32	344.06	-737.83	-274.34	0.00	
7600.00	0.00	179.72	7531.32	344.06	-737.83	-274.34	0.00	
7700.00	0.00	179.72	7631.32	344.06	-737.83	-274.34	0.00	
7800.00	0.00	179.72	7731.32	344.06	-737.83	-274.34	0.00	
7900.00	0.00	179.72	7831.32	344.06	-737.83	-274.34	0.00	
8000.00	0.00	179.72	7931.32	344.06	-737.83	-274.34	0.00	
8100.00	0.00	179.72	8031.32	344.06	-737.83	-274.34	0.00	
8200.00	0.00	179.72	8131.32	344.06	-737.83	-274.34	0.00	
8300.00	0.00	179.72	8231.32	344.06	-737.83	-274.34	0.00	
8358.68	0.00	179.72	8290.00	344.06	-737.83	-274.34	0.00	1st Bone Spring Lime
8400.00	0.00	179.72	8331.32	344.06	-737.83	-274.34	0.00	
8500.00	0.00	179.72	8431.32	344.06	-737.83	-274.34	0.00	
8600.00	0.00	179.72	8531.32	344.06	-737.83	-274.34	0.00	
8700.00	0.00	179.72	8631.32	344.06	-737.83	-274.34	0.00	
8800.00	0.00	179.72	8731.32	344.06	-737.83	-274.34	0.00	
8900.00	0.00	179.72	8831.32	344.06	-737.83	-274.34	0.00	
9000.00	0.00	179.72	8931.32	344.06	-737.83	-274.34	0.00	
9100.00	0.00	179.72	9031.32	344.06	-737.83	-274.34	0.00	
9200.00	0.00	179.72	9131.32	344.06	-737.83	-274.34	0.00	
9300.00	0.00	179.72	9231.32	344.06	-737.83	-274.34	0.00	
9368.68	0.00	179.72	9300.00	344.06	-737.83	-274.34	0.00	Bone Spring 1st
9400.00	0.00	179.72	9331.32	344.06	-737.83	-274.34	0.00	
9500.00	0.00	179.72	9431.32	344.06	-737.83	-274.34	0.00	
9600.00	0.00	179.72	9531.32	344.06	-737.83	-274.34	0.00	
9700.00	0.00	179.72	9631.32	344.06	-737.83	-274.34	0.00	
9800.00	0.00	179.72	9731.32	344.06	-737.83	-274.34	0.00	
9900.00	0.00	179.72	9831.32	344.06	-737.83	-274.34	0.00	
9988.68	0.00	179.72	9920.00	344.06	-737.83	-274.34	0.00	Bone Spring 2nd
10000.00	0.00	179.72	9931.32	344.06	-737.83	-274.34	0.00	
10100.00	0.00	179.72	10031.32	344.06	-737.83	-274.34	0.00	
10200.00	0.00	179.72	10131.32	344.06	-737.83	-274.34	0.00	
10300.00	0.00	179.72	10231.32	344.06	-737.83	-274.34	0.00	
10400.00	0.00	179.72	10331.32	344.06	-737.83	-274.34	0.00	
10500.00	0.00	179.72	10431.32	344.06	-737.83	-274.34	0.00	
10508.68	0.00	179.72	10440.00	344.06	-737.83	-274.34	0.00	3rd Bone Spring Lime
10600.00	0.00	179.72	10531.32	344.06	-737.83	-274.34	0.00	
10700.00	0.00	179.72	10631.32	344.06	-737.83	-274.34	0.00	
10800.00	0.00	179.72	10731.32	344.06	-737.83	-274.34	0.00	
10900.00	0.00	179.72	10831.32	344.06	-737.83	-274.34	0.00	
11000.00	0.00	179.72	10931.32	344.06	-737.83	-274.34	0.00	
11100.00	0.00	179.72	11031.32	344.06	-737.83	-274.34	0.00	
11200.00	0.00	179.72	11131.32	344.06	-737.83	-274.34	0.00	
11283.68	0.00	179.72	11215.00	344.06	-737.83	-274.34	0.00	Bone Spring 3rd
11300.00	0.00	179.72	11231.32	344.06	-737.83	-274.34	0.00	
11400.00	0.00	179.72	11331.32	344.06	-737.83	-274.34	0.00	
11500.00	0.00	179.72	11431.32	344.06	-737.83	-274.34	0.00	
11600.00	0.00	179.72	11531.32	344.06	-737.83	-274.34	0.00	
11700.00	0.00	179.72	11631.32	344.06	-737.83	-274.34	0.00	
11768.68	0.00	179.72	11700.00	344.06	-737.83	-274.34	0.00	Wolfcamp / Point of Penetration
11800.00	0.00	179.72	11731.32	344.06	-737.83	-274.34	0.00	
11810.72	0.00	179.72	11742.05	344.06	-737.83	-274.34	0.00	KOP
11900.00	8.93	179.72	11830.96	337.11	-737.79	-267.43	10.00	
12000.00	18.93	179.72	11927.90	313.08	-737.67	-243.51	10.00	
12100.00	28.93	179.72	12019.19	272.57	-737.47	-203.19	10.00	
12200.00	38.93	179.72	12102.06	216.83	-737.20	-147.72	10.00	
12300.00	48.93	179.72	12173.99	147.54	-736.85	-78.76	10.00	
12400.00	58.93	179.72	12232.79	66.82	-736.45	1.58	10.00	
12500.00	68.93	179.72	12276.69	-22.89	-736.00	90.87	10.00	

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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12600.00	78.93	179.72	12304.34	-118.86	-735.52	186.38	10.00	
12700.00	88.93	179.72	12314.90	-218.17	-735.03	285.22	10.00	
12712.69	90.20	179.72	12315.00	-230.86	-734.97	297.85	10.00	Landing Point
12800.00	90.20	179.72	12314.70	-318.17	-734.53	384.74	0.00	
12900.00	90.20	179.72	12314.36	-418.17	-734.04	484.27	0.00	
13000.00	90.20	179.72	12314.02	-518.17	-733.54	583.79	0.00	
13100.00	90.20	179.72	12313.67	-618.16	-733.04	683.31	0.00	
13200.00	90.20	179.72	12313.33	-718.16	-732.54	782.84	0.00	
13300.00	90.20	179.72	12312.99	-818.16	-732.05	882.36	0.00	
13400.00	90.20	179.72	12312.64	-918.16	-731.55	981.88	0.00	
13500.00	90.20	179.72	12312.30	-1018.16	-731.05	1081.41	0.00	
13600.00	90.20	179.72	12311.96	-1118.16	-730.55	1180.93	0.00	
13700.00	90.20	179.72	12311.62	-1218.15	-730.06	1280.45	0.00	
13800.00	90.20	179.72	12311.27	-1318.15	-729.56	1379.98	0.00	
13900.00	90.20	179.72	12310.93	-1418.15	-729.06	1479.50	0.00	
14000.00	90.20	179.72	12310.59	-1518.15	-728.56	1579.02	0.00	
14100.00	90.20	179.72	12310.25	-1618.15	-728.06	1678.55	0.00	
14200.00	90.20	179.72	12309.90	-1718.14	-727.57	1778.07	0.00	
14300.00	90.20	179.72	12309.56	-1818.14	-727.07	1877.59	0.00	
14400.00	90.20	179.72	12309.22	-1918.14	-726.57	1977.12	0.00	
14500.00	90.20	179.72	12308.87	-2018.14	-726.07	2076.64	0.00	
14600.00	90.20	179.72	12308.53	-2118.14	-725.58	2176.17	0.00	
14700.00	90.20	179.72	12308.19	-2218.14	-725.08	2275.69	0.00	
14800.00	90.20	179.72	12307.85	-2318.13	-724.58	2375.21	0.00	
14900.00	90.20	179.72	12307.50	-2418.13	-724.08	2474.74	0.00	
15000.00	90.20	179.72	12307.16	-2518.13	-723.59	2574.26	0.00	
15100.00	90.20	179.72	12306.82	-2618.13	-723.09	2673.78	0.00	
15200.00	90.20	179.72	12306.48	-2718.13	-722.59	2773.31	0.00	
15300.00	90.20	179.72	12306.13	-2818.12	-722.09	2872.83	0.00	
15400.00	90.20	179.72	12305.79	-2918.12	-721.59	2972.35	0.00	
15500.00	90.20	179.72	12305.45	-3018.12	-721.10	3071.88	0.00	
15600.00	90.20	179.72	12305.10	-3118.12	-720.60	3171.40	0.00	
15700.00	90.20	179.72	12304.76	-3218.12	-720.10	3270.92	0.00	
15800.00	90.20	179.72	12304.42	-3318.12	-719.60	3370.45	0.00	
15900.00	90.20	179.72	12304.08	-3418.11	-719.11	3469.97	0.00	
16000.00	90.20	179.72	12303.73	-3518.11	-718.61	3569.49	0.00	
16100.00	90.20	179.72	12303.39	-3618.11	-718.11	3669.02	0.00	
16200.00	90.20	179.72	12303.05	-3718.11	-717.61	3768.54	0.00	
16300.00	90.20	179.72	12302.71	-3818.11	-717.12	3868.07	0.00	
16400.00	90.20	179.72	12302.36	-3918.10	-716.62	3967.59	0.00	
16500.00	90.20	179.72	12302.02	-4018.10	-716.12	4067.11	0.00	
16600.00	90.20	179.72	12301.68	-4118.10	-715.62	4166.64	0.00	
16700.00	90.20	179.72	12301.33	-4218.10	-715.12	4266.16	0.00	
16800.00	90.20	179.72	12300.99	-4318.10	-714.63	4365.68	0.00	
16900.00	90.20	179.72	12300.65	-4418.10	-714.13	4465.21	0.00	
17000.00	90.20	179.72	12300.31	-4518.09	-713.63	4564.73	0.00	
17100.00	90.20	179.72	12299.96	-4618.09	-713.13	4664.25	0.00	
17200.00	90.20	179.72	12299.62	-4718.09	-712.64	4763.78	0.00	
17300.00	90.20	179.72	12299.28	-4818.09	-712.14	4863.30	0.00	
17400.00	90.20	179.72	12298.94	-4918.09	-711.64	4962.82	0.00	
17500.00	90.20	179.72	12298.59	-5018.08	-711.14	5062.35	0.00	
17600.00	90.20	179.72	12298.25	-5118.08	-710.65	5161.87	0.00	
17700.00	90.20	179.72	12297.91	-5218.08	-710.15	5261.40	0.00	
17800.00	90.20	179.72	12297.56	-5318.08	-709.65	5360.92	0.00	
17900.00	90.20	179.72	12297.22	-5418.08	-709.15	5460.44	0.00	
18000.00	90.20	179.72	12296.88	-5518.08	-708.66	5559.97	0.00	
18100.00	90.20	179.72	12296.54	-5618.07	-708.16	5659.49	0.00	
18200.00	90.20	179.72	12296.19	-5718.07	-707.66	5759.01	0.00	
18300.00	90.20	179.72	12295.85	-5818.07	-707.16	5858.54	0.00	
18400.00	90.20	179.72	12295.51	-5918.07	-706.66	5958.06	0.00	
18500.00	90.20	179.72	12295.16	-6018.07	-706.17	6057.58	0.00	
18600.00	90.20	179.72	12294.82	-6118.06	-705.67	6157.11	0.00	
18700.00	90.20	179.72	12294.48	-6218.06	-705.17	6256.63	0.00	
18800.00	90.20	179.72	12294.14	-6318.06	-704.67	6356.15	0.00	
18900.00	90.20	179.72	12293.79	-6418.06	-704.18	6455.68	0.00	
19000.00	90.20	179.72	12293.45	-6518.06	-703.68	6555.20	0.00	
19100.00	90.20	179.72	12293.11	-6618.06	-703.18	6654.72	0.00	
19200.00	90.20	179.72	12292.77	-6718.05	-702.68	6754.25	0.00	
19300.00	90.20	179.72	12292.42	-6818.05	-702.19	6853.77	0.00	
19400.00	90.20	179.72	12292.08	-6918.05	-701.69	6953.30	0.00	

COTTON DRAW UNIT 601H



Well: COTTON DRAW UNIT 601H
County: Eddy
Wellbore: Permit Plan
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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)	
19500.00	90.20	179.72	12291.74	-7018.05	-701.19	7052.82	0.00	
19600.00	90.20	179.72	12291.39	-7118.05	-700.69	7152.34	0.00	
19700.00	90.20	179.72	12291.05	-7218.04	-700.19	7251.87	0.00	
19800.00	90.20	179.72	12290.71	-7318.04	-699.70	7351.39	0.00	
19900.00	90.20	179.72	12290.37	-7418.04	-699.20	7450.91	0.00	
19924.20	90.20	179.72	12290.28	-7442.24	-699.08	7475.00	0.00	EXIT
20000.00	90.20	179.72	12290.02	-7518.04	-698.70	7550.44	0.00	
20004.20	90.20	179.72	12290.00	-7522.24	-698.70	7554.62	0.00	BHL

PECOS DISTRICT SURFACE USE CONDITIONS OF APPROVAL

OPERATOR'S NAME:		Devon Energy Prod Co					
LEASE NO.:		LC062300					
WELL NAME & NO.:		Big Sinks Draw 25-24 Fed					
LOCATION:		Section 25, T. 25 S., R.319 E.					
COUNTY:		Eddy County, New Mexico					
Big Sinks Draw 25-24 Fed Com 831H				Big Sinks Draw Well Pad 1			
Surface	Section 25	T25S,	31E	2484 FNL,	1015	FWL,	Eddy County
Bottom Hole	Section 24	T25S,	31E	330 FNL,	1300	FWL,	Eddy County
Big Sinks Draw 25-24 Fed Com 302H				Big Sinks Draw Well Pad 2			
Surface	Section 25	T25S,	31E	2483 FNL,	2220	FWL,	Eddy County
Bottom Hole	Section 24	T25S,	31E	330 FNL,	2500	FWL,	Eddy County
Big Sinks Draw 25-24 Fed Com 712H				Big Sinks Draw Well Pad 2			
Surface	Section 25	T25S,	31E	2483 FNL,	2130	FWL,	Eddy County
Bottom Hole	Section 24	T25S,	31E	330 FNL,	1650	FWL,	Eddy County
Big Sinks Draw 25-24 Fed Com 613H				Big Sinks Draw Well Pad 3			
Surface	Section 25	T25S,	31E	2483 FNL,	1750	FEL,	Eddy County
Bottom Hole	Section 24	T25S,	31E	330 FNL,	1750	FEL,	Eddy County
Big Sinks Draw 25-24 Fed Com 713H				Big Sinks Draw Well Pad 3			
Surface	Section 25	T25S,	31E	2483 FNL,	1780	FEL,	Eddy County
Bottom Hole	Section 24	T25S,	31E	330 FNL,	2310	FEL,	Eddy County
Big Sinks Draw 25-24 Fed Com 733H				Big Sinks Draw Well Pad 3			
Surface	Section 25	T25S,	31E	2483 FNL,	1720	FEL,	Eddy County
Bottom Hole	Section 24	T25S,	31E	330 FNL,	1650	FEL,	Eddy County
Big Sinks Draw 25-24 Fed Com 334H				Big Sinks Draw Well Pad 4			
Surface	Section 25	T25S,	31E	2482 FNL,	480	FEL,	Eddy County
Bottom Hole	Section 24	T25S,	31E	330 FNL,	430	FEL,	Eddy County
Big Sinks Draw 25-24 Fed Com 734H				Big Sinks Draw Well Pad 4			
Surface	Section 25	T25S,	31E	2482 FNL,	450	FEL,	Eddy County
Bottom Hole	Section 24	T25S,	31E	330 FNL,	330	FEL,	Eddy County
Big Sinks Draw 25-24 Fed Com 714H				Big Sinks Draw Well Pad 4			
Surface	Section 25	T25S,	31E	2482 FNL,	510	FEL,	Eddy County
Bottom Hole	Section 24	T25S,	31E	330 FNL,	990	FEL,	Eddy County

Arabian 30-19	FED	711H	Arabian 30 Well Pad 1						
Surface	Section	30	T25S,	R32E	749	FWL,	2482	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	330	FWL,	20	FNL,	Lea County

Arabian 30-19	FED	621H	Arabian 30 Well Pad 1						
Surface	Section	30	T25S,	R32E	779	FWL,	2482	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	890	FWL,	20	FNL,	Lea County

Arabian 30-19	FED	731H	Arabian 30 Well Pad 1						
Surface	Section	30	T25S,	R32E	809	FWL,	2482	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	990	FWL,	20	FNL,	Lea County

Arabian 30-19	FED	712H	Arabian 30 Well Pad 2						
Surface	Section	30	T25S,	R32E	1744	FWL,	2486	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	1650	FWL,	20	FNL,	Lea County

Arabian 30-19	FED	332H	Arabian 30 Well Pad 2						
Surface	Section	30	T25S,	R32E	1774	FWL,	2486	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	2210	FWL,	20	FNL,	Lea County

Arabian 30-19	FED	732H	Arabian 30 Well Pad 2						
Surface	Section	30	T25S,	R32E	1804	FWL,	2486	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	2310	FWL,	20	FNL,	Lea County

Arabian 30-19	FED	713H	Arabian 30 Well Pad 3						
Surface	Section	30	T25S,	R32E	2365	FEL,	2488	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	2310	FEL,	20	FNL,	Lea County

Arabian 30-19	FED	623H	Arabian 30 Well Pad 3						
Surface	Section	30	T25S,	R32E	2335	FEL,	2488	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	1750	FEL,	20	FNL,	Lea County

Arabian 30-19	FED	733H	Arabian 30 Well Pad 3						
Surface	Section	30	T25S,	R32E	2305	FEL,	2488	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	1650	FEL,	20	FNL,	Lea County

Arabian 30-19	FED	714H	Arabian 30 Well Pad 5						
Surface	Section	30	T25S,	R32E	710	FEL,	2484	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	990	FEL,	20	FNL,	Lea County

Arabian 30-19	FED	334H	Arabian 30 Well Pad 5						
Surface	Section	30	T25S,	R32E	680	FEL,	2484	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	430	FEL,	20	FNL,	Lea County

Arabian 30-19	FED	734H	Arabian 30 Well Pad 5						
Surface	Section	30	T25S,	R32E	650	FEL,	2484	FNL,	LeaCounty
Bottom Hole	Section	19	T25S,	R32E	330	FEL,	20	FNL,	Lea County

Morab 29-20	Fed Com	711H	Morab 29 Well Pad 1						
Surface	Section	29	T25S	R32E	415	FWL,	2457	FNL,	Lea County
Bottom Hole	Section	20	T25S	R32E	330	FWL,	20	FNL,	Lea County
Morab 29-20	Fed Com	621H	Morab 29 Well Pad 1						
Surface	Section	29	T25S	R32E	445	FWL,	2457	FNL,	Lea County
Bottom Hole	Section	20	T25S	R32E	890	FWL,	20	FNL,	Lea County
Morab 29-20	Fed Com	731H	Morab 29 Well Pad 1						
Surface	Section	29	T25S	R32E	475	FWL,	2457	FNL,	Lea County
Bottom Hole	Section	20	T25S	R32E	990	FWL,	20	FNL,	Lea County

Morab 29-20	Fed Com	712H	Morab 29 Well Pad 2						
Surface	Section	29	T25S	R32E	1480	FWL,	2459	FNL,	Lea County
Bottom Hole	Section	20	T25S	R32E	1650	FWL,	20	FNL,	Lea County
Morab 29-20	Fed Com	332H	Morab 29 Well Pad 2						
Surface	Section	29	T25S	R32E	1510	FWL,	2459	FNL,	Lea County
Bottom Hole	Section	20	T25S	R32E	2210	FWL,	20	FNL,	Lea County
Morab 29-20	Fed Com	732H	Morab 29 Well Pad 2						
Surface	Section	29	T25S	R32E	1540	FWL,	2459	FNL,	Lea County
Bottom Hole	Section	20	T25S	R32E	2310	FWL,	20	FNL,	Lea County

Morab 29-20	Fed Com	713H	Morab 29 Well Pad 3						
Surface	Section	29	T25S	R32E	2595	FWL,	2485	FNL,	Lea County
Bottom Hole	Section	20	T25S	R32E	2310	FEL,	20	FNL,	Lea Count
Morab 29-20	Fed Com	623H	Morab 29 Well Pad 3						
Surface	Section	29	T25S	R32E	2625	FWL,	2485	FNL,	Lea County
Bottom Hole	Section	20	T25S	R32E	1750	FEL,	20	FNL,	Lea County
Morab 29-20	Fed Com	733H	Morab 29 Well Pad 3						
Surface	Section	29	T25S	R32E	2655	FWL,	2485	FNL,	Lea County
Bottom Hole	Section	20	T25S	R32E	1650	FEL,	20	FNL,	Lea County

Morab 29-20	Fed Com	714H	Morab 29 Well Pad 4						
Surface	Section 29	T25S	R32E	1425	FEL,	2475	FNL,	Lea County	
Bottom Hole	Section 20	T25S	R32E	990	FEL,	20	FNL,	Lea County	
Morab 29-20	Fed Com	334H	Morab 29 Well Pad 4						
Surface	Section 29	T25S	R32E	1395	FEL,	2475	FNL,	Lea County	
Bottom Hole	Section 20	T25S	R32E	430	FEL,	20	FNL,	Lea County	
Morab 29-20	Fed Com	734H	Morab 29 Well Pad 4						
Surface	Section 29	T25S	R32E	1365	FEL,	2475	FNL,	Lea County	
Bottom Hole	Section 20	T25S	R32E	330	FEL,	20	FNL,	Lea County	

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II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious

weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

In May 2008, the Pecos District Special Status Species Resource Management Plan Amendment (RMPA) was approved and is being implemented. In addition to the standard practices that minimize impacts, as listed above, the following COA will apply:

- Timing Limitation Stipulation / Condition of Approval for lesser prairie-chicken, to minimize noise associated impacts which could disrupt breeding and nesting activities.
- Upon abandonment, a low profile abandoned well marker will be installed to prevent raptor perching.

Wildlife Escape Ramps

Devon would need to construct and maintain escape ramps according to the following criteria:

- Earthen escape ramps would be required to be constructed to sufficiently support livestock at no more than a 30-degree slope and spaced no more than 500 feet apart.
- If trench is left open under an 8-hour time period, it would not be required to have an escape ramp; however, before the trench is backfilled, Devon would inspect the trench for wildlife and remove any species that are trapped at a distance of at least 100 yards away from the trench.

Raptor Nest Mitigation

- A BLM Wildlife Biologist must be contacted by the operator prior to construction activities to determine if the raptor nest is active.
- Determination to deconstruct inactive nest prior to pad construction will be made by BLM Wildlife Biologist.
- Raptor nests on special, natural habitat features, such as trees, large brush, cliff faces and escarpments, will be protected by not allowing surface disturbance within up to 200 meters of nests or by delaying activity for up to 90 days, or a combination of both. Exceptions to this requirement for raptor nests will be considered if the nests expected to be disturbed are inactive, the proposed activity is of short duration (e.g. habitat enhancement projects, fences, pipelines), and will not result in continuing activity in proximity to the nest.
- Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

Temporary Fencing Requirement

For the proposed Big Sinks 25 CTB 3 location, the BLM would require temporary fencing be installed before construction begins. This fencing would stay in place and be maintained throughout construction activities to protect nearby dune land habitat from harm.

Power Lines

Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Avian Protection on Power lines: The State of the Art in 2006" Edison Electric Institute, APLIC, and the California Energy Commission 2006. The holder shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all power line structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. The holder without liability or expense shall make such modifications and/or additions to the United States.

Watershed/Water Quality:

For all the proposed actions; the entire perimeter of the well pad and CTB sites will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad.

- The compacted berm shall be constructed at a minimum of 12 inches high with impermeable mineral material (e.g. caliche).
- No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad.
- The topsoil stockpile shall be located outside the bermed well pad.
- Topsoil, either from the well pad or surrounding area, shall not be used to construct the berm.
- No storm drains, tubing or openings shall be placed in the berm.
- If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.
- The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed.
- Any access road entering the well pad shall be constructed so that the integrity of the berm height surrounding the well pad is not compromised. (Any access road crossing the berm cannot be lower than the berm height.)

Tank Battery:

- Tank battery locations will be lined and bermed. A 20 mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 ½ times the content of the largest tank.
- Automatic shut off, check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

Temporary Fence Crossing Requirement

Where entry is granted across a fence line, the fence must be braced and tied off on both sides of the passageway with H-braces prior to cutting. Once the work is completed, the fence will be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

Cattle Guard Requirement

Where entry is granted across a fence line for an access road, the fence must be braced and tied off on both sides of the passageway with H-braces prior to cutting. Once the work is completed, the fence will be restored to its prior condition with an appropriately sized cattle guard sufficient to carry out the project. Any new or existing cattle guards on the access route shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattle guards that are in place and are utilized during lease operations. Once the road is abandoned, the fence would be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

Livestock Watering Requirement

Devon, in an agreement with the grazing allotment holder, would relocate a water pipeline affected by several proposed actions. Devon would also encase the water pipeline along its length where it would travel under access roads. See **Error! Reference source not found.** above.

Devon must contact the allotment holder prior to construction to identify the location of the pipelines. Devon must take measures to protect the pipelines from compression or other damages. If the pipelines are damaged or compromised in any way near the proposed project as a result of oil and gas activity, Devon is responsible for repairing the pipelines immediately. Devon must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment holder if any damage occurs to structures that provide water to livestock.

During construction, Devon shall minimize disturbance to existing fences, water lines, troughs, windmills, and other improvements on public lands. Devon is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the grazing permittee/allottee prior to disturbing any range improvement projects. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

Temporary Fencing Requirement

For the proposed Big Sinks 25 CTB 3 location, the BLM would require temporary fencing be installed before construction begins. This fencing would stay in place and be maintained throughout construction activities to protect nearby dune land habitat from harm.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5909 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Other subsoil (below six inches) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation. The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. EXCLOSURE FENCING (CELLARS & PITS)

Exclosure Fencing

The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the pit is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

G. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Ditching

Ditching shall be required on both sides of the road.

Turnouts

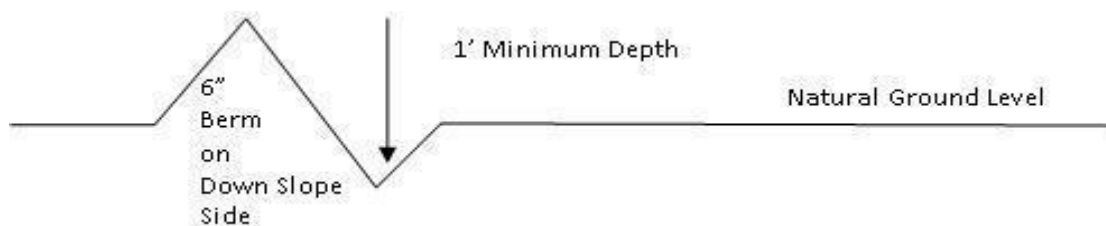
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outslowing and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

$$400 \text{ foot road with } 4\% \text{ road slope: } \frac{400'}{4\%} + 100' = 200' \text{ lead-off ditch interval}$$

Cattle guards

An appropriately sized cattle guard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattle guards on the access road route shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattle guards that are in place and are utilized during lease operations.

Fence Requirement

Where entry is granted across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting. The operator shall notify the private surface

landowner or the grazing allotment holder prior to crossing any fences.

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Construction Steps

1. Salvage topsoil
2. Construct road

3. Redistribute topsoil
4. Revegetate slopes

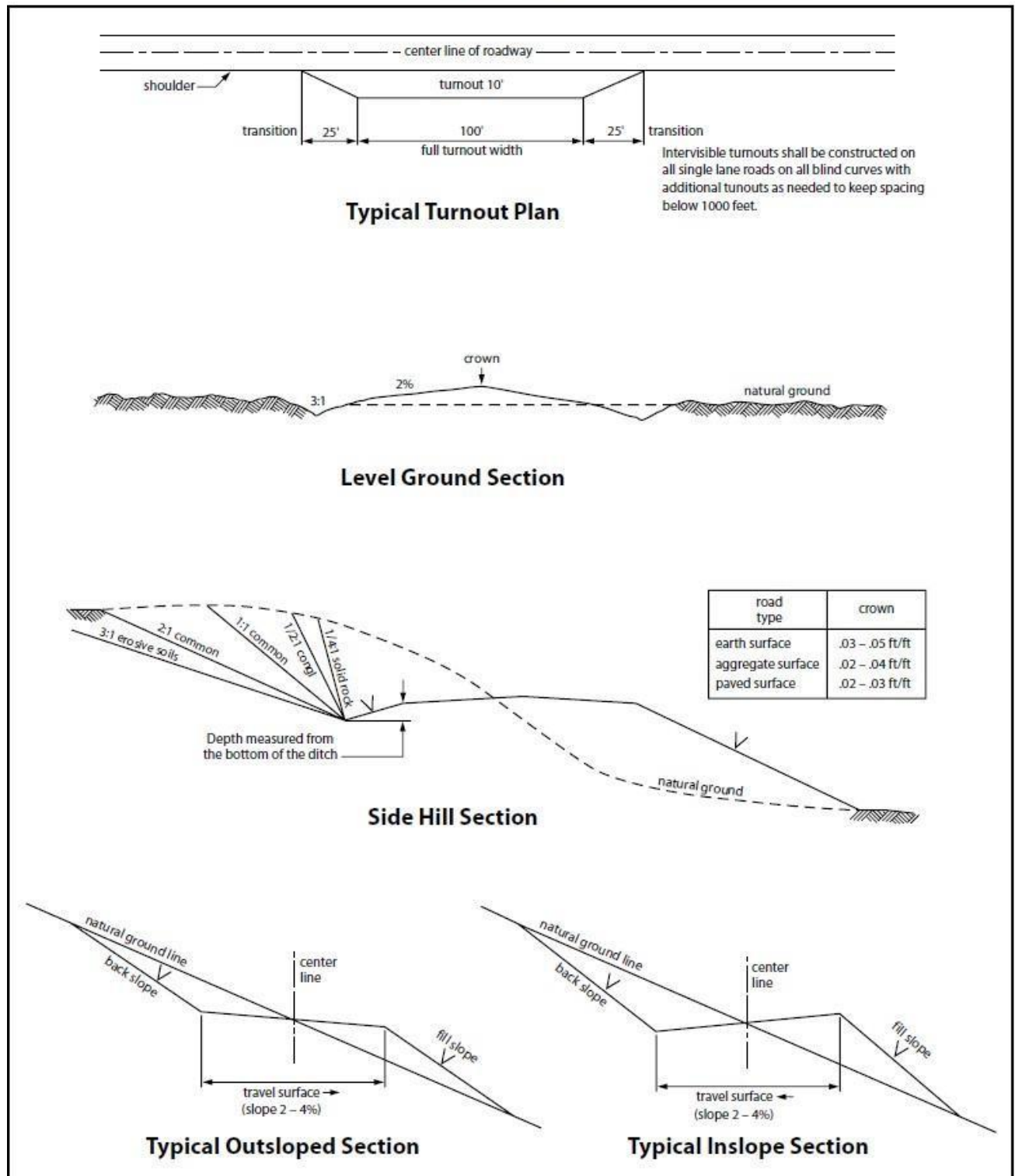


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Exclosure Netting (Open-top Tanks)

Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

Chemical and Fuel Secondary Containment and Exclosure Screening

The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

Open-Vent Exhaust Stack Exclosures

The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone.*) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

Containment Structures

Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color, **Shale Green** from the BLM Standard Environmental Color Chart (CC-001: June 2008).

B. PIPELINES

BURIED PIPELINE STIPULATIONS

A copy of the application (Grant, APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.
5. All construction and maintenance activity will be confined to the authorized right-of-way.
6. The pipeline will be buried with a minimum cover of 36 inches between the top of the pipe and ground level.
7. The maximum allowable disturbance for construction in this right-of-way will be 30 feet:
 - Blading of vegetation within the right-of-way will be allowed: maximum width of blading operations will not exceed 20 feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation.*)
 - Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed 30 feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)
 - The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)
8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.
9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.
10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless

otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

- | | |
|--|--|
| <input type="checkbox"/> seed mixture 1 | <input type="checkbox"/> seed mixture 3 |
| <input type="checkbox"/> seed mixture 2 | <input type="checkbox"/> seed mixture 4 |
| <input checked="" type="checkbox"/> seed mixture 2/LPC | <input type="checkbox"/> Aplomado Falcon Mixture |

13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.

14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

17. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

18. Escape Ramps - The operator will construct and maintain pipeline/utility trenches that are not otherwise fenced, screened, or netted to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

- a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.
- b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

19. Special Stipulations:

Lesser Prairie-Chicken

Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

This authorization is subject to your Certificate of Participation and/or Certificate of Inclusion under the New Mexico Candidate Conservation Agreement. Because it involves surface disturbing activities covered under your Certificate, your Habitat Conservation Fund Account with the Center of Excellence for Hazardous Materials Management (CEHMM) will be debited according to Exhibit B Part 2 of the Certificate of Participation.

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

A copy of the application (Grant, Sundry Notice, APD) and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic

Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to activity of the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. The holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. The holder shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the right-of-way or permit area:

- a. Activities of the holder including, but not limited to construction, operation, maintenance, and termination of the facility.
- b. Activities of other parties including, but not limited to:
 - (1) Land clearing.
 - (2) Earth-disturbing and earth-moving work.
 - (3) Blasting.
 - (4) Vandalism and sabotage.
- c. Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars (\$1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up

of such oil, salt water, or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder of any responsibility as provided herein.

6. All construction and maintenance activity will be confined to the authorized right-of-way width of 20 feet. If the pipeline route follows an existing road or buried pipeline right-of-way, the surface pipeline must be installed no farther than 10 feet from the edge of the road or buried pipeline right-of-way. If existing surface pipelines prevent this distance, the proposed surface pipeline must be installed immediately adjacent to the outer surface pipeline. All construction and maintenance activity will be confined to existing roads or right-of-ways.

7. No blading or clearing of any vegetation will be allowed unless approved in writing by the Authorized Officer.

8. The holder shall install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky or dune areas, the pipeline will be "snaked" around hummocks and dunes rather than suspended across these features.

9. The pipeline shall be buried with a minimum of 24 inches under all roads, "two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.

10. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State

Interagency Committee.

13. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.

14. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.

15. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.

16. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, powerline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

17. Surface pipelines must be less than or equal to 4 inches and a working pressure below 125 psi.

18. Special Stipulations:

- a. **Lesser Prairie-Chicken:** Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted.
- b. This authorization is subject to your Certificate of Participation and/or Certificate of Inclusion under the New Mexico Candidate Conservation Agreement. Because it involves surface disturbing activities covered under your Certificate, your Habitat Conservation Fund Account with the Center of Excellence for Hazardous

Materials Management (CEHMM) will be debited according to Exhibit B Part 2 of the Certificate of Participation.

C. ELECTRIC LINES

STANDARD STIPULATIONS FOR OVERHEAD ELECTRIC DISTRIBUTION LINES

A copy of the grant and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.
4. There will be no clearing or blading of the right-of-way unless otherwise agreed to in writing by the Authorized Officer.
5. Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Avian Protection on Power lines: The State of the Art in 2006" Edison Electric Institute, APLIC, and the California Energy Commission 2006 . The

holder shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the holder without liability or expense to the United States.

Raptor deterrence will consist of but not limited to the following: triangle perch discouragers shall be placed on each side of the cross arms and a nonconductive perching deterrence shall be placed on all vertical poles that extend past the cross arms.

6. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

7. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.

8. Upon cancellation, relinquishment, or expiration of this grant, the holder shall comply with those abandonment procedures as prescribed by the Authorized Officer.

9. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this grant, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.

10. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

11. Special Stipulations:

- For reclamation remove poles, lines, transformer, etc. and dispose of properly.

- Fill in any holes from the poles removed.

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

This authorization is subject to your Certificate of Participation and/or Certificate of Inclusion under the New Mexico Candidate Conservation Agreement. Because it involves surface disturbing activities covered under your Certificate, your Habitat Conservation Fund Account with the Center of Excellence for Hazardous Materials Management (CEHMM) will be debited according to Exhibit B Part 2 of the Certificate of Participation.

VIII. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

IX. FINAL ABANDONMENT & RECLAMATION

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well.

Seed Mixture for LPC Sand/Shinnery Sites

Holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed shall be either certified or registered seed. The seed container shall be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). Holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. Seeding shall be repeated until a satisfactory stand is established as determined by the Authorized Officer. Evaluation of growth may not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

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: NMNM0012121, NMNM012121	Unit or CA Name: COTTON DRAW, COTTON DRAW UNIT	Unit or CA Number: NMNM070928X, NMNM70928X
US Well Number: 3001547299	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Type of Submission: Notice of Intent	Type of Action APD Change
Date Sundry Submitted: 01/15/2021	Time Sundry Submitted: 07:46
Date proposed operation will begin: 01/14/2021	

Procedure Description: SHL/BHL/ CHANGE: Devon Energy Production Co., L.P. (Devon) respectfully requests to move the SHL/BHL and on the subject well. Please see attached revised C102, Drill plan, directional plan. Permitted SHL: NWNW, 26-24S-31E, 385 FNL, 1130 FWL Proposed SHL: NWNW, 26-24S-31E, 385 FNL, 1135 FWL Permitted BHL: SWNW, 35-24S-31E; 2314 FNL, 400 FWL Proposed BHL: SWNW, 35-24S-31E; 2620 FNL, 400 FWL

Received by OCD: 2/22/2021 7:19:57 AM

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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: NMNM0012121, NMNM012121	Unit or CA Name: COTTON DRAW, COTTON DRAW UNIT	Unit or CA Number: NMNM070928X, NMNM70928X
US Well Number: 3001547299	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

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: HARMS	Signed on: JAN 15, 2021 07:40 AM
Name: DEVON ENERGY PRODUCTION COMPANY LP	
Title: Regulatory Compliance Professional	
Street Address: NOT ENTERED	
City: NOT ENTERED	State: NOT ENTERED
Phone: (800) 583-3866	
Email address: NOT ENTERED	

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: 02/19/2021
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 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 18381

COMMENTS

Operator:	DEVON ENERGY PRODUCTION COMPAN	333 West Sheridan Ave.	Oklahoma City, OK73102	OGRID:	6137	Action Number:	18381	Action Type:	C-103A
Created By	Comment				Comment Date				
kpickford	KP GEO Review 2/23/2021				02/23/2021				

District I
1625 N. French Dr., Hobbs, NM 88240
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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

CONDITIONS

Action 18381

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:	
DEVON ENERGY PRODUCTION COMPAN		333 West Sheridan Ave.	Oklahoma City, OK73102	6137	18381	C-103A
OCD Reviewer		Condition				
kpickford		• NSL Will require an administrative order for non-standard location prior to placing the well on production				