

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



new id
9-28-2015

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR
- [D] Other: Specify _____

NSL 7348
 DEVON
 6137
 EMERALD PWU 20
 62H
 API # 30-015-43372
 Scanlon Draw; bone
 POOL ↑ spring
 55510

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

CANDACE CALLAHAN
 Print or Type Name

Signature

ATTORNEY FOR DEVON
 Title ENERGY PRODUCTION COMPANY, L.P.
 Date 9/28/15

ccallahan@bwenergylaw.com
 e-mail Address

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

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

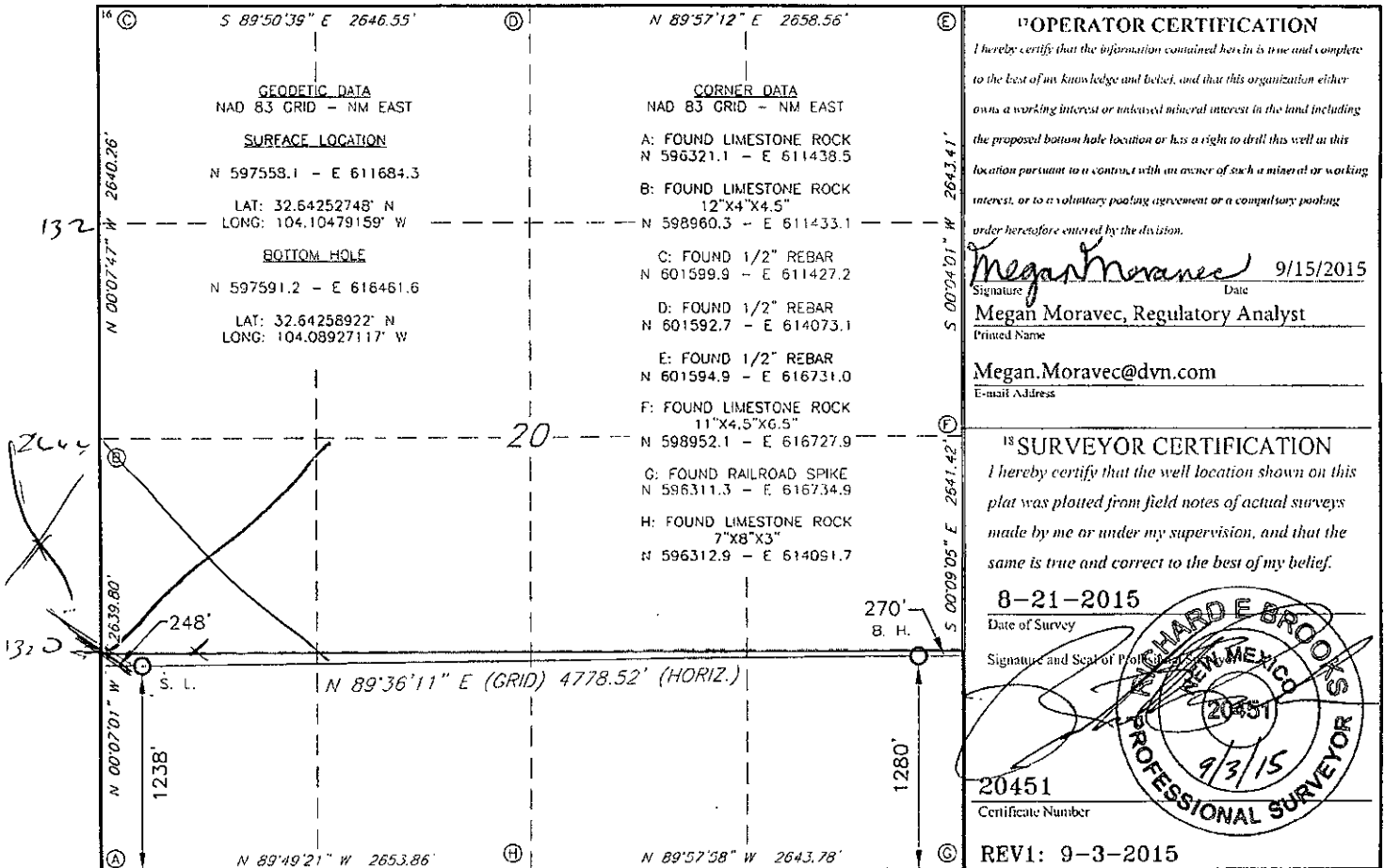
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 55510		3 Pool Name Scanlon Draw; Bone Spring					
4 Property Code 38436		5 Property Name EMERALD PWU 20						6 Well Number 62H	
7 OGRID NO.		8 Operator Name DEVON ENERGY PRODUCTION CO., L.P.						9 Elevation 3318'	
10 Surface Location									
UL or lot no. M	Section 20	Township 19S	Range 29E	Lot Idn	Feet from the 1238	North/South line SOUTH	Feet from the 248	East/West line WEST	County EDDY
11 Bottom Hole Location If Different From Surface									
UL or lot no. P	Section 20	Township 19S	Range 29E	Lot Idn	Feet from the 1280	North/South line SOUTH	Feet from the 270	East/West line EAST	County EDDY
12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code		15 Order No.					

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



Project Area:

RRC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS1507381

REV1: 9-3-2015

Application for Non-Standard Location Order (Administrative)

Well Name: Emerald PWH 20 62H Well
Project Area: S/2S/2 Section 20-T19S-R29E
Eddy County, New Mexico

Proposed Footages:

Surface Location:	1238' FSL / 248' FWL
Landing Point:	1239' FSL / 330' FWL *
Penetration Point:	1239' FSL / 330' FWL]
Final Perforation:	1279' FSL / 330' FEL]
Terminus:	1280' FSL / 270' FEL

Notification List:

N/2S/2 Section 20-T19S-R29E, Eddy Co., NM

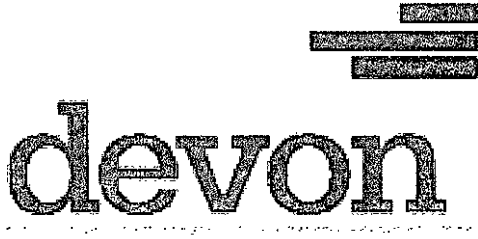
Operator: Devon Energy Production Company, LP
333 West Sheridan Ave.
Oklahoma City, OK 73102

NW/4SW/4, SW/4SW/4 Section 21-T19S-R29E, Eddy Co., NM

Operator: Devon Energy Production Company, LP
333 West Sheridan Ave.
Oklahoma City, OK 73102

NE/4SE/4, SE/4SE/4 Section 19-T19S-R29E, Eddy Co., NM

Operator: Read & Stevens, Inc.
P.O. Box 1518
Roswell, NM 88202
Notice sent Fedex 9-9-2015
Notice sent RRR 9-11-2015



5D Plan Report

Devon Energy

Field Name: *Eddy Co, NM (Nad 83 NME)*
Site Name: *Emerald PWU 20 62H*
Well Name: *Emerald PWU 20 62H*
Plan: *P1:V1*

4 September 2015





Emerald PWU 20 62H

Field Name: Eddy Co, NM (Nad 83 NME)	Map Units: US ft	Company Name: Devon Energy		
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
Comment:				
Site: Emerald PWU 20 62H	Units: US ft	North Reference: Grid	Convergence Angle: 0.12	
	Position:	Northing: 597558.10US ft	Latitude: 32° 38' 33.10"	
		Easting: 611684.30US ft	Longitude: -104° 6' 17.25"	
Elevation above MSL: 3318.00 US ft		Comment:		
Slot: Emerald PWU 20 62H	Position (Relative to Site Centre)			
	+N/-S: 0.00US ft	Northing: 597558.10US ft	Latitude: 32°38'33.10"	
	+E/-W: 0.00US ft	Easting: 611684.30US ft	Longitude: -104°6'17.25"	
Slot TVD Reference: Ground Elevation		Comment:		
Elevation above MSL: 3318.00US ft		Comment:		
Well: Emerald PWU 20 62H	Type: Main well	UWI:	Plan: P1:V1	
	File Number:	Comment:		
	Closure Distance: 4758.88US ft	Closure Azimuth: 89.59°		
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00US ft	+E/-W: 0.00US ft	Az: 90.10°	
	Magnetic Parameters:			
Model: bggm2015	Field Strength: 48396.0nT	Declination: 7.53°	Dip: 60.41°	Date: 01/Nov/2015

Drill floor: Plan: P1:V1

Rig Height (Kelly Bushing): Elevation above MSL: 25.00us ft 3343.00us ft **Inclination:** 0.00° **Azimuth:** 0.00°

Target set: Emerald PWU 20 62H Tgt Comment:

Target Name:	Shape:	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (USFt)	Easting (USFt)	Comment
LP Tgt	Cuboid	8963.00	42.36	80.70	597600.46	611765.00	
PBHL 62H	Cuboid	8963.00	33.83	4758.76	597591.93	616443.06	

Wellpath created using minimum curvature.

Tie Point:

MD: 0.00USFt **Inclination:** 0.00° **Azimuth:** 0.00° **TVD:** 0.00USFt **North Offset:** 0.00USFt **East Offset:** 0.00USFt

SD Plan Report

Salient Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100US ft)	B. Rate (°/100US ft)	T. Rate (°/100US ft)	T. Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	Nudge
4900.00	5.00	299.00	4899.37	10.57	-19.07	-19.09	1.00	1.00	0.00	299.00	Hold
5400.00	5.00	299.00	5397.46	31.70	-57.18	-57.24	0.00	0.00	0.00	0.00	Drop
5900.00	0.00	0.00	5896.83	42.27	-76.25	-76.33	1.00	-1.00	0.00	180.00	Hold
8393.21	0.00	0.00	8390.04	42.27	-76.25	-76.33	0.00	0.00	0.00	0.00	KOP
9293.21	90.00	90.10	8963.00	41.27	496.70	496.63	10.00	10.00	0.00	90.10	LP
13555.28	90.00	90.10	8963.00	33.83	4758.76	4758.69	0.00	0.00	0.00	0.00	PBHL 62H

Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
100.00	0.00	0.00	100.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
200.00	0.00	0.00	200.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
300.00	0.00	0.00	300.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
400.00	0.00	0.00	400.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
500.00	0.00	0.00	500.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
600.00	0.00	0.00	600.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
700.00	0.00	0.00	700.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
800.00	0.00	0.00	800.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
900.00	0.00	0.00	900.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1000.00	0.00	0.00	1000.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1100.00	0.00	0.00	1100.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1200.00	0.00	0.00	1200.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1300.00	0.00	0.00	1300.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1400.00	0.00	0.00	1400.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1500.00	0.00	0.00	1500.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1600.00	0.00	0.00	1600.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1700.00	0.00	0.00	1700.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1800.00	0.00	0.00	1800.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
1900.00	0.00	0.00	1900.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2000.00	0.00	0.00	2000.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2100.00	0.00	0.00	2100.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2200.00	0.00	0.00	2200.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2300.00	0.00	0.00	2300.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2400.00	0.00	0.00	2400.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2500.00	0.00	0.00	2500.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2600.00	0.00	0.00	2600.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2700.00	0.00	0.00	2700.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2800.00	0.00	0.00	2800.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
2900.00	0.00	0.00	2900.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3000.00	0.00	0.00	3000.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3100.00	0.00	0.00	3100.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3200.00	0.00	0.00	3200.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3300.00	0.00	0.00	3300.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3400.00	0.00	0.00	3400.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3500.00	0.00	0.00	3500.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3600.00	0.00	0.00	3600.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3700.00	0.00	0.00	3700.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3800.00	0.00	0.00	3800.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
3900.00	0.00	0.00	3900.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
4000.00	0.00	0.00	4000.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
4100.00	0.00	0.00	4100.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
4200.00	0.00	0.00	4200.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
4300.00	0.00	0.00	4300.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	
4400.00	0.00	0.00	4400.00	0.00	0.00	-0.00	0.00	597558.10	611684.30	Nudge
4500.00	1.00	299.00	4499.99	0.42	-0.76	-0.76	1.00	597558.52	611683.54	
4600.00	2.00	299.00	4599.96	1.69	-3.05	-3.06	1.00	597559.79	611681.25	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (%/100US ft)	Northing (US ft)	Easting (US ft)	Comment
4700.00	3.00	299.00	4699.86	3.81	-6.87	-6.87	1.00	597561.91	611677.43	
4800.00	4.00	299.00	4799.68	6.77	-12.21	-12.22	1.00	597564.87	611672.09	
4900.00	5.00	299.00	4899.37	10.57	-19.07	-19.09	1.00	597568.67	611665.23	Hold
5000.00	5.00	299.00	4998.99	14.80	-26.69	-26.72	0.00	597572.90	611657.61	
5100.00	5.00	299.00	5098.60	19.02	-34.31	-34.35	0.00	597577.12	611649.99	
5200.00	5.00	299.00	5198.22	23.25	-41.94	-41.98	0.00	597581.35	611642.36	
5300.00	5.00	299.00	5297.84	27.47	-49.56	-49.61	0.00	597585.57	611634.74	
5400.00	5.00	299.00	5397.46	31.70	-57.18	-57.24	0.00	597589.80	611627.12	Drop
5500.00	4.00	299.00	5497.15	35.50	-64.05	-64.11	1.00	597593.60	611620.25	
5600.00	3.00	299.00	5596.97	38.46	-69.38	-69.45	1.00	597596.56	611614.92	
5700.00	2.00	299.00	5696.87	40.58	-73.20	-73.27	1.00	597598.68	611611.10	
5800.00	1.00	299.00	5796.83	41.84	-75.49	-75.56	1.00	597599.94	611608.81	
5900.00	0.00	0.00	5896.83	42.27	-76.25	-76.33	1.00	597600.37	611608.05	Hold
6000.00	0.00	0.00	5996.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
6100.00	0.00	0.00	6096.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
6200.00	0.00	0.00	6196.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
6300.00	0.00	0.00	6296.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
6400.00	0.00	0.00	6396.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
6500.00	0.00	0.00	6496.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
6600.00	0.00	0.00	6596.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
6700.00	0.00	0.00	6696.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
6800.00	0.00	0.00	6796.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
6900.00	0.00	0.00	6896.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7000.00	0.00	0.00	6996.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7100.00	0.00	0.00	7096.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7200.00	0.00	0.00	7196.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7300.00	0.00	0.00	7296.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7400.00	0.00	0.00	7396.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7500.00	0.00	0.00	7496.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7600.00	0.00	0.00	7596.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7700.00	0.00	0.00	7696.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7800.00	0.00	0.00	7796.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
7900.00	0.00	0.00	7896.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
8000.00	0.00	0.00	7996.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
8100.00	0.00	0.00	8096.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
8200.00	0.00	0.00	8196.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
8300.00	0.00	0.00	8296.83	42.27	-76.25	-76.33	0.00	597600.37	611608.05	
8393.21	0.00	0.00	8390.04	42.27	-76.25	-76.33	0.00	597600.37	611608.05	KOP
8400.00	0.68	90.10	8396.83	42.27	-76.21	-76.29	10.00	597600.37	611608.09	
8500.00	10.68	90.10	8496.21	42.25	-66.33	-66.40	10.00	597600.35	611617.97	
8600.00	20.68	90.10	8592.37	42.20	-39.34	-39.41	10.00	597600.30	611644.96	
8700.00	30.68	90.10	8682.38	42.13	3.94	3.86	10.00	597600.23	611688.24	
8800.00	40.68	90.10	8763.50	42.03	62.19	62.11	10.00	597600.13	611746.49	
8900.00	50.68	90.10	8833.28	41.90	133.64	133.57	10.00	597600.00	611817.94	
9000.00	60.68	90.10	8889.60	41.76	216.12	216.05	10.00	597599.86	611900.42	
9100.00	70.68	90.10	8930.73	41.60	307.13	307.06	10.00	597599.70	611991.43	
9200.00	80.68	90.10	8955.43	41.43	403.90	403.83	10.00	597599.53	612088.20	
9293.21	90.00	90.10	8963.00	41.27	496.70	496.63	10.00	597599.37	612181.00	LP
9300.00	90.00	90.10	8963.00	41.26	503.49	503.42	0.00	597599.36	612187.79	
9400.00	90.00	90.10	8963.00	41.08	603.49	603.42	0.00	597599.18	612287.79	
9500.00	90.00	90.10	8963.00	40.91	703.49	703.42	0.00	597599.01	612387.79	
9600.00	90.00	90.10	8963.00	40.73	803.49	803.42	0.00	597598.83	612487.79	
9700.00	90.00	90.10	8963.00	40.56	903.49	903.42	0.00	597598.66	612587.79	
9800.00	90.00	90.10	8963.00	40.38	1003.49	1003.42	0.00	597598.48	612687.79	
9900.00	90.00	90.10	8963.00	40.21	1103.49	1103.42	0.00	597598.31	612787.79	
10000.00	90.00	90.10	8963.00	40.03	1203.49	1203.42	0.00	597598.13	612887.79	
10100.00	90.00	90.10	8963.00	39.86	1303.49	1303.42	0.00	597597.96	612987.79	
10200.00	90.00	90.10	8963.00	39.69	1403.49	1403.42	0.00	597597.79	613087.79	
10300.00	90.00	90.10	8963.00	39.51	1503.49	1503.42	0.00	597597.61	613187.79	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	D.S (%/100US ft)	Northing (US ft)	Easting (US ft)	Comment
10400.00	90.00	90.10	8963.00	39.34	1603.49	1603.42	0.00	597597.44	613287.79	
10500.00	90.00	90.10	8963.00	39.16	1703.49	1703.42	0.00	597597.26	613387.79	
10600.00	90.00	90.10	8963.00	38.99	1803.49	1803.42	0.00	597597.09	613487.79	
10700.00	90.00	90.10	8963.00	38.81	1903.49	1903.42	0.00	597596.91	613587.79	
10800.00	90.00	90.10	8963.00	38.64	2003.49	2003.42	0.00	597596.74	613687.79	
10900.00	90.00	90.10	8963.00	38.46	2103.49	2103.42	0.00	597596.56	613787.79	
11000.00	90.00	90.10	8963.00	38.29	2203.49	2203.42	0.00	597596.39	613887.79	
11100.00	90.00	90.10	8963.00	38.11	2303.49	2303.42	0.00	597596.21	613987.79	
11200.00	90.00	90.10	8963.00	37.94	2403.49	2403.42	0.00	597596.04	614087.79	
11300.00	90.00	90.10	8963.00	37.77	2503.49	2503.42	0.00	597595.87	614187.79	
11400.00	90.00	90.10	8963.00	37.59	2603.49	2603.42	0.00	597595.69	614287.79	
11500.00	90.00	90.10	8963.00	37.42	2703.49	2703.42	0.00	597595.52	614387.79	
11600.00	90.00	90.10	8963.00	37.24	2803.49	2803.42	0.00	597595.34	614487.79	
11700.00	90.00	90.10	8963.00	37.07	2903.49	2903.42	0.00	597595.17	614587.79	
11800.00	90.00	90.10	8963.00	36.89	3003.49	3003.42	0.00	597594.99	614687.79	
11900.00	90.00	90.10	8963.00	36.72	3103.49	3103.42	0.00	597594.82	614787.79	
12000.00	90.00	90.10	8963.00	36.54	3203.49	3203.42	0.00	597594.64	614887.79	
12100.00	90.00	90.10	8963.00	36.37	3303.49	3303.42	0.00	597594.47	614987.79	
12200.00	90.00	90.10	8963.00	36.20	3403.49	3403.42	0.00	597594.30	615087.79	
12300.00	90.00	90.10	8963.00	36.02	3503.49	3503.42	0.00	597594.12	615187.79	
12400.00	90.00	90.10	8963.00	35.85	3603.49	3603.42	0.00	597593.95	615287.79	
12500.00	90.00	90.10	8963.00	35.67	3703.49	3703.42	0.00	597593.77	615387.79	
12600.00	90.00	90.10	8963.00	35.50	3803.49	3803.42	0.00	597593.60	615487.79	
12700.00	90.00	90.10	8963.00	35.32	3903.49	3903.42	0.00	597593.42	615587.79	
12800.00	90.00	90.10	8963.00	35.15	4003.49	4003.42	0.00	597593.25	615687.79	
12900.00	90.00	90.10	8963.00	34.97	4103.49	4103.42	0.00	597593.07	615787.79	
13000.00	90.00	90.10	8963.00	34.80	4203.49	4203.42	0.00	597592.90	615887.79	
13100.00	90.00	90.10	8963.00	34.62	4303.49	4303.42	0.00	597592.72	615987.79	
13200.00	90.00	90.10	8963.00	34.45	4403.49	4403.42	0.00	597592.55	616087.79	
13300.00	90.00	90.10	8963.00	34.28	4503.49	4503.42	0.00	597592.38	616187.79	
13400.00	90.00	90.10	8963.00	34.10	4603.49	4603.42	0.00	597592.20	616287.79	
13500.00	90.00	90.10	8963.00	33.93	4703.48	4703.42	0.00	597592.03	616387.78	
13555.27	90.00	90.10	8963.00	33.83	4758.76	4758.69	0.00	597591.93	616443.06	PBHL 62H



Weatherford

Weatherford Drilling Services

GeoDec4 v2.1.0.0

Report Date: September 04, 2015
 Job Number: _____
 Customer: Devon Energy
 Well Name: Emerald PWU 20 62H
 API Number: _____
 Rig Name: _____
 Location: Eddy Co, NM Nad83 NME
 Block: _____
 Engineer: _____

NAD83 / New Mexico East (ftUS)	NAD83 (1986)
Projected Coordinate System	Geodetic Coordinate System
Datum: North American Datum 1983 (1986)	Datum: North American Datum 1983 (1986)
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
EPSG: 2257	EPSG: 4269
North: 597558.1 US Survey Foot	Latitude: 32.642528 Degree
East: 611684.3 US Survey Foot	Longitude: -104.104792 Degree
Convergence: 0.12°	
Declination: 7.53°	
Total Correction: 7.41°	
Datum Transformation: none	

Geodetic Location WGS84

MSL Elevation = 0 m
 Latitude = 32° 38' 33.10" N
 Longitude = 104° 06' 17.25" W

Magnetic Declination = 7.53 deg	[True North Offset]
Local Gravity = .9988 g	Checksum = 6550
Local Field Strength = 48396 nT	Magnetic Vector X = 23689 nT
Magnetic Dip = 60.41 deg	Magnetic Vector Y = 3131 nT
Magnetic Model = bggm2015.dat	Magnetic Vector Z = 42086 nT
Run Date = November 01, 2015	Magnetic Vector H = 23895 nT

Signed: _____ Date: _____



Devon Energy Production Company, L.P.
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

405 235 3611 Phone
www.devonenergy.com

September 9, 2015

Read & Stevens Inc.
Attention: Derrick Smith
400 N. Pennsylvania Ave #1000
Roswell, New Mexico 88201

Re: Non-Standard Location (Unorthodox)
Emerald PWU 20 62H Well
S/2S/2 Section 20-T19S-R29E
Eddy County, New Mexico

Gentlemen:

Attached please find Devon Energy Production Company, L.P.'s planned C-102 for the Emerald PWU 20 62H Well. Devon has filed an application at the NMOCD for approval of an unorthodox location because the proposed well bore's completed interval is projected to be outside of the producing area. Devon is seeking this location to perform a down-spacing test within Section 20 in the Bone Spring Formation (3rd).

Our records indicate Read & Stevens is an affected offsetting owner entitled to notice in accordance with Division Rules. Objections to this application should be submitted to the New Mexico Oil Conservation Division within twenty (20) days from the date the Division receives the application. If you have no objection to this application, please indicate by signing and returning one copy of this letter to the undersigned.

Should you have questions or if additional information is required, please contact me (405) 552-8102.

Very Truly Yours,

Joe Hammond
Land Advisor

Read & Stevens Inc. hereby waives objection to the above referenced Application for Non-Standard Location for the Emerald PWU 20 62H Well located in the S/2S/2 Section 20-T19S-R29E, Eddy County, New Mexico.

By: Roby M. Min, President Date: 23 September 2015

McMillan, Michael, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Tuesday, September 29, 2015 4:50 PM
To: McMillan, Michael, EMNRD
Subject: FW: Non Standard Location Application reason

From: Callahan, Candace [mailto:CCallahan@bwenergylaw.com]
Sent: Tuesday, September 29, 2015 4:35 PM
To: Lowe, Leonard, EMNRD <Leonard.Lowe@state.nm.us>
Subject: RE: Non Standard Location Application reason

Mr. Lowe,

In a nutshell, Devon's proposed location is intended to test the feasibility of down-spacing within Section 20 to recover additional reserves in the Bone Spring formation not otherwise accessible. Please let me know if you'd like more geologic and/or engineering specifics, and I'd be happy to either get your questions answered or arrange for you to speak with the appropriate Devon personnel.

Thank you,
Candace

From: Lowe, Leonard, EMNRD [mailto:Leonard.Lowe@state.nm.us]
Sent: Tuesday, September 29, 2015 3:31 PM
To: Callahan, Candace
Subject: RE: Non Standard Location Application reason

Ms. Candace Callahan,

Good afternoon,

Your stated reasons for an NSL are correct.

We understand that result location determined by Devon will be categorized as an NSL.

The question still remains why Devon choose that location?

Leonard Lowe
Environmental Engineer
[Environmental Bureau]
Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St. Frances
Santa Fe, New Mexico 87004
Office: 505-476-3492