

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM63994

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
BOUNDARY RAIDER 6-7 FED COM 302H9. API Well No.
30-025-47573-00-X110. Field and Pool or Exploratory Area
SAND DUNES-BONE SPRING11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY

Contact: JENNIFER HARMS

E-Mail: jennifer.harms@devon.com

3a. Address

P O BOX 250
ARTESIA, NM 88201

3b. Phone No. (include area code)

Ph: 405-552-6560

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

Sec 6 T23S R32E 250FNL 2375FWL
32.340046 N Lat, 103.715271 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original APD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BHL/NAME/FORMATION CHANGE

Devon Energy Production Co., L.P. (Devon) respectfully requests to move the BHL and have a name change and formation change on the subject well. Please see attached revised C102, Drill plan, directional plan.

-TODD MDP 1

Permitted BHL: SESW, 20 FSL, 1650 FWL, 7-23S-32E
Proposed BHL: SWSW, 20 FSL, 1300 FWL, 7-23S-32E

Permitted Well name: BOUNDARY RAIDER 6-7 FED COM 732H

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

**Electronic Submission #530763 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION COMPANY LP, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 09/21/2020 (20PP3743SE)**

Name (Printed/Typed) JENNIFER HARMS

Title REGULATORY COMPLIANCE ANALYST

Signature (Electronic Submission)

Date 09/21/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By LONG VO

Title PETROLEUM ENGINEER

Date 09/24/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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

KZ

Additional data for EC transaction #530763 that would not fit on the form

32. Additional remarks, continued

Proposed Well name: BOUNDARY RAIDER 6-7 FED COM 302H

Permitted Formation: WC-025 G-09 S223219D;WOLFCAMP

Proposed Formation: SAND DUNES; BONE SPRING

Revisions to Operator-Submitted EC Data for Sundry Notice #530763

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM63994	NMNM63994
Agreement:		
Operator:	DEVON ENERGY PRODUCTION COMPAN 333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102 Ph: 405-552-6560	DEVON ENERGY PRODUCTION COM LP P O BOX 250 ARTESIA, NM 88201 Ph: 575-748-1854
Admin Contact:	JENNIFER HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560	JENNIFER HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560
Tech Contact:	JENNIFER HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560	JENNIFER HARMS REGULATORY COMPLIANCE ANALYST E-Mail: jennifer.harms@dvn.com Ph: 405-552-6560
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	WOLFCAMP	SAND DUNES-BONE SPRING
Well/Facility:	BOUNDARY RAIDER 6-7 FED COM 732H Sec 6 T23S R32E 250FNL 2375FWL	BOUNDARY RAIDER 6-7 FED COM 302H Sec 6 T23S R32E 250FNL 2375FWL 32.340046 N Lat, 103.715271 W Lon

1. Geologic Formations

TVD of target	11210	Pilot hole depth	N/A
MD at TD:	21464	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	800		
Salt	1225		
Base of Salt	4325		
Lamar	4325		
Delaware	4550		
Cherry Canyon	5505		
Brushy Canyon	6785		
1st Bone Spring Lime	8425		
Bone Spring 1st	9520		
Bone Spring 2nd	10150		
3rd Bone Spring Lime	10650		
3rd Bone Target Top	11150		

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

2. Casing Program (Primary Design)

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
17 1/2	13 3/8	48	H40	STC	0	825	0	825
9 7/8	8 5/8	32	P110	TLW	0	10175	0	10175
7 7/8	5 1/2	17	P110	BTC	0	21464	0	11210

• 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	636	Surf	13.2	1.44	Lead: Class C Cement + additives
Int 1	564	Surf	9	3.27	Lead: Class C Cement + additives
	67	4000' above	13.2	1.44	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	As Needed	Surf	13.2	1.44	Squeeze Lead: Class C Cement + additives
	564	Surf	9	3.27	Lead: Class C Cement + additives
	67	4000' above	13.2	1.44	Tail: Class H / C + additives
Production	58	9675	9	3.27	Lead: Class H / C + additives
	1429	10664	13.2	1.44	Tail: Class H / C + additives

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

4. Pressure Control Equipment (Three String Design)

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

5. Mud Program (Three String Design)

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

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

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
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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	5246
Abnormal temperature	No

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

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

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

8. Other facets of operation

Is this a walking operation? Potentially

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

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

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

Will be pre-setting casing? Potentially

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

Attachments

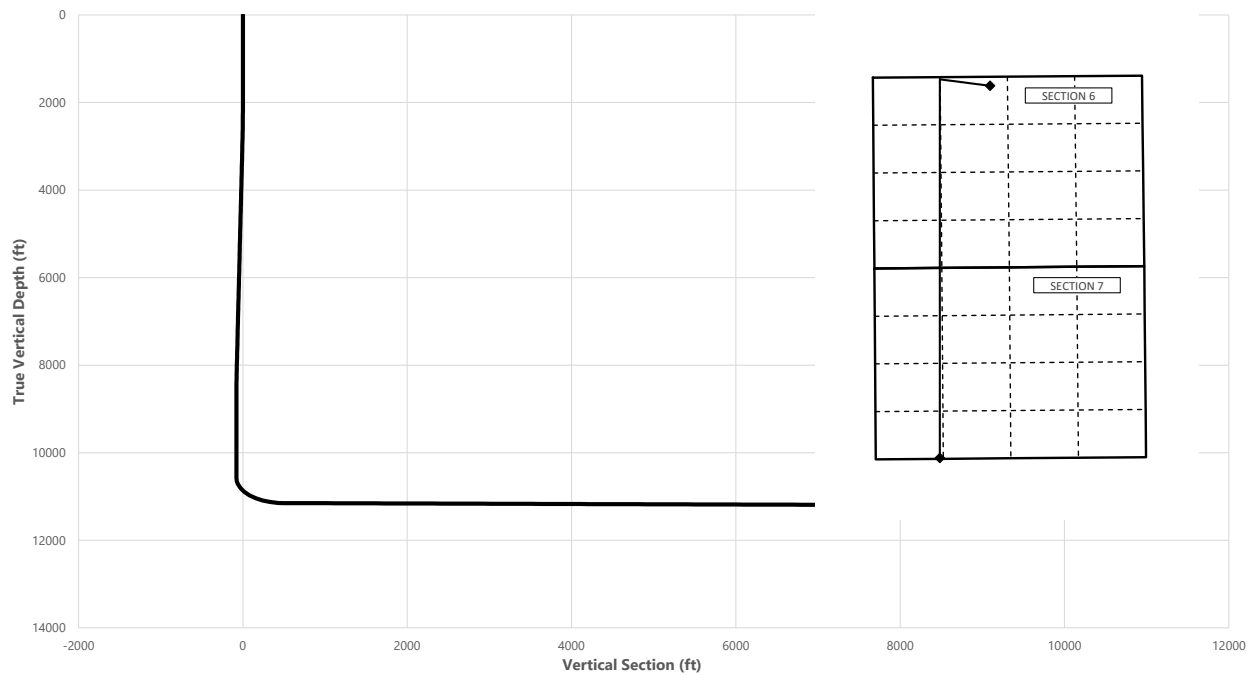
<u>X</u>	Directional Plan
<u> </u>	Other, describe



Well: Boundary Raider 6-7 Fed Com 302H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
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	280.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
3000.00	10.00	280.00	2994.93	15.12	-85.72	-6.61	1.00	Hold Tangent
8197.56	10.00	280.00	8113.53	171.84	-974.56	-75.15	0.00	Drop to Vertical
8697.56	0.00	280.00	8611.00	179.40	-1017.42	-78.46	2.00	Hold Vertical
10663.62	0.00	180.00	10577.05	179.40	-1017.42	-78.46	0.00	KOP
11560.15	89.65	180.00	11150.00	-390.09	-1017.42	488.27	10.00	Landing Point
21464.36	89.65	180.00	11210.00	-10294.12	-1017.42	10344.28	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	800.00	800.00
Salt	1225.00	1225.00
Base of Salt	4350.59	4325.00
Lamar	4350.59	4325.00
Delaware	4579.06	4550.00
Cherry Canyon	5548.79	5505.00
Brushy Canyon	6848.54	6785.00
1st Bone Spring Lime	8511.43	8425.00
Bone Spring 1st	9606.57	9520.00
Bone Spring 2nd	10236.57	10150.00
3rd Bone Spring Lime	10736.76	10650.00
3rd Bone Target Top / Point of Penetration	11560.15	11150.00
exit	21384.36	11209.53

SHL
KOP
Point of Penetration
Exit
BHL

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.3400	-103.7153	250' FNL, 2375' FWL of Sec 6 in T23N, R32W
10663.62	10577.05	32.3405	-103.7186	61' FNL, 1358' FWL of Sec 6 in T23N, R32W
11560.15	11150.00	32.3404	-103.7185	100' FNL, 1300' FWL of Sec 6 in T23N, R32W
21384.36	11209.53	32.3120	-103.7188	100' FSL, 1300' FWL of Sec 7 in T23N, R32W
21464.36	11210.00	32.3117	-103.7188	20' FSL, 1300' FWL of Sec 7 in T23N, R32W



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Zone: 3001 - NM East (NAD83)

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	280.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	280.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	280.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	280.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	280.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	280.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	280.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	280.00	800.00	0.00	0.00	0.00	0.00	Rustler,
900.00	0.00	280.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	280.00	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	280.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	280.00	1200.00	0.00	0.00	0.00	0.00	
1225.00	0.00	280.00	1225.00	0.00	0.00	0.00	0.00	Salt
1300.00	0.00	280.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	280.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	280.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	280.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	280.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	280.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	280.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	280.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	1.00	280.00	2099.99	0.15	-0.86	-0.07	1.00	
2200.00	2.00	280.00	2199.96	0.61	-3.44	-0.27	1.00	
2300.00	3.00	280.00	2299.86	1.36	-7.73	-0.60	1.00	
2400.00	4.00	280.00	2399.68	2.42	-13.74	-1.06	1.00	
2500.00	5.00	280.00	2499.37	3.79	-21.47	-1.66	1.00	
2600.00	6.00	280.00	2598.90	5.45	-30.91	-2.38	1.00	
2700.00	7.00	280.00	2698.26	7.42	-42.06	-3.24	1.00	
2800.00	8.00	280.00	2797.40	9.68	-54.91	-4.23	1.00	
2900.00	9.00	280.00	2896.30	12.25	-69.47	-5.36	1.00	
3000.00	10.00	280.00	2994.93	15.11	-85.72	-6.61	1.00	, Hold Tangent
3100.00	10.00	280.00	3093.41	18.13	-102.82	-7.93	0.00	
3200.00	10.00	280.00	3191.89	21.15	-119.92	-9.25	0.00	
3300.00	10.00	280.00	3290.37	24.16	-137.03	-10.57	0.00	
3400.00	10.00	280.00	3388.85	27.18	-154.13	-11.89	0.00	
3500.00	10.00	280.00	3487.33	30.19	-171.23	-13.20	0.00	
3600.00	10.00	280.00	3585.82	33.21	-188.33	-14.52	0.00	
3700.00	10.00	280.00	3684.30	36.22	-205.43	-15.84	0.00	
3800.00	10.00	280.00	3782.78	39.24	-222.53	-17.16	0.00	
3900.00	10.00	280.00	3881.26	42.25	-239.63	-18.48	0.00	
4000.00	10.00	280.00	3979.74	45.27	-256.73	-19.80	0.00	
4100.00	10.00	280.00	4078.22	48.28	-273.83	-21.12	0.00	
4200.00	10.00	280.00	4176.70	51.30	-290.93	-22.43	0.00	
4300.00	10.00	280.00	4275.18	54.31	-308.04	-23.75	0.00	
4350.59	10.00	280.00	4325.00	55.84	-316.69	-24.42	0.00	Base of Salt, Lamar
4400.00	10.00	280.00	4373.66	57.33	-325.14	-25.07	0.00	
4500.00	10.00	280.00	4472.14	60.34	-342.24	-26.39	0.00	
4579.06	10.00	280.00	4550.00	62.73	-355.76	-27.43	0.00	Delaware
4600.00	10.00	280.00	4570.62	63.36	-359.34	-27.71	0.00	
4700.00	10.00	280.00	4669.10	66.38	-376.44	-29.03	0.00	
4800.00	10.00	280.00	4767.58	69.39	-393.54	-30.35	0.00	
4900.00	10.00	280.00	4866.07	72.41	-410.64	-31.67	0.00	
5000.00	10.00	280.00	4964.55	75.42	-427.74	-32.98	0.00	
5100.00	10.00	280.00	5063.03	78.44	-444.84	-34.30	0.00	
5200.00	10.00	280.00	5161.51	81.45	-461.94	-35.62	0.00	
5300.00	10.00	280.00	5259.99	84.47	-479.05	-36.94	0.00	
5400.00	10.00	280.00	5358.47	87.48	-496.15	-38.26	0.00	
5500.00	10.00	280.00	5456.95	90.50	-513.25	-39.58	0.00	
5548.79	10.00	280.00	5505.00	91.97	-521.59	-40.22	0.00	Cherry Canyon
5600.00	10.00	280.00	5555.43	93.51	-530.35	-40.90	0.00	
5700.00	10.00	280.00	5653.91	96.53	-547.45	-42.21	0.00	
5800.00	10.00	280.00	5752.39	99.54	-564.55	-43.53	0.00	
5900.00	10.00	280.00	5850.87	102.56	-581.65	-44.85	0.00	
6000.00	10.00	280.00	5949.35	105.57	-598.75	-46.17	0.00	
6100.00	10.00	280.00	6047.83	108.59	-615.85	-47.49	0.00	
6200.00	10.00	280.00	6146.32	111.60	-632.95	-48.81	0.00	
6300.00	10.00	280.00	6244.80	114.62	-650.06	-50.13	0.00	
6400.00	10.00	280.00	6343.28	117.64	-667.16	-51.45	0.00	
6500.00	10.00	280.00	6441.76	120.65	-684.26	-52.76	0.00	



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Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983
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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	280.00	6540.24	123.67	-701.36	-54.08	0.00	
6700.00	10.00	280.00	6638.72	126.68	-718.46	-55.40	0.00	
6800.00	10.00	280.00	6737.20	129.70	-735.56	-56.72	0.00	
6848.54	10.00	280.00	6785.00	131.16	-743.86	-57.36	0.00	Brushy Canyon
6900.00	10.00	280.00	6835.68	132.71	-752.66	-58.04	0.00	
7000.00	10.00	280.00	6934.16	135.73	-769.76	-59.36	0.00	
7100.00	10.00	280.00	7032.64	138.74	-786.86	-60.68	0.00	
7200.00	10.00	280.00	7131.12	141.76	-803.96	-61.99	0.00	
7300.00	10.00	280.00	7229.60	144.77	-821.07	-63.31	0.00	
7400.00	10.00	280.00	7328.09	147.79	-838.17	-64.63	0.00	
7500.00	10.00	280.00	7426.57	150.80	-855.27	-65.95	0.00	
7600.00	10.00	280.00	7525.05	153.82	-872.37	-67.27	0.00	
7700.00	10.00	280.00	7623.53	156.83	-889.47	-68.59	0.00	
7800.00	10.00	280.00	7722.01	159.85	-906.57	-69.91	0.00	
7900.00	10.00	280.00	7820.49	162.86	-923.67	-71.23	0.00	
8000.00	10.00	280.00	7918.97	165.88	-940.77	-72.54	0.00	
8100.00	10.00	280.00	8017.45	168.90	-957.87	-73.86	0.00	
8197.56	10.00	280.00	8113.53	171.84	-974.56	-75.15	0.00	Drop to Vertical
8200.00	9.95	280.00	8115.93	171.91	-974.97	-75.19	2.00	
8300.00	7.95	280.00	8214.71	174.62	-990.30	-76.37	2.00	
8400.00	5.95	280.00	8313.97	176.72	-1002.21	-77.29	2.00	
8500.00	3.95	280.00	8413.59	178.22	-1010.71	-77.94	2.00	
8511.43	3.72	280.00	8425.00	178.35	-1011.47	-78.00	2.00	1st Bone Spring Lime
8600.00	1.95	280.00	8513.45	179.11	-1015.78	-78.33	2.00	
8697.56	0.00	280.00	8611.00	179.40	-1017.42	-78.46	2.00	Hold Vertical
8700.00	0.00	180.00	8613.43	179.40	-1017.42	-78.46	0.00	
8800.00	0.00	180.00	8713.43	179.40	-1017.42	-78.46	0.00	
8900.00	0.00	180.00	8813.43	179.40	-1017.42	-78.46	0.00	
9000.00	0.00	180.00	8913.43	179.40	-1017.42	-78.46	0.00	
9100.00	0.00	180.00	9013.43	179.40	-1017.42	-78.46	0.00	
9200.00	0.00	180.00	9113.43	179.40	-1017.42	-78.46	0.00	
9300.00	0.00	180.00	9213.43	179.40	-1017.42	-78.46	0.00	
9400.00	0.00	180.00	9313.43	179.40	-1017.42	-78.46	0.00	
9500.00	0.00	180.00	9413.43	179.40	-1017.42	-78.46	0.00	
9600.00	0.00	180.00	9513.43	179.40	-1017.42	-78.46	0.00	
9606.57	0.00	180.00	9520.00	179.40	-1017.42	-78.46	0.00	Bone Spring 1st
9700.00	0.00	180.00	9613.43	179.40	-1017.42	-78.46	0.00	
9800.00	0.00	180.00	9713.43	179.40	-1017.42	-78.46	0.00	
9900.00	0.00	180.00	9813.43	179.40	-1017.42	-78.46	0.00	
10000.00	0.00	180.00	9913.43	179.40	-1017.42	-78.46	0.00	
10100.00	0.00	180.00	10013.43	179.40	-1017.42	-78.46	0.00	
10200.00	0.00	180.00	10113.43	179.40	-1017.42	-78.46	0.00	
10236.57	0.00	180.00	10150.00	179.40	-1017.42	-78.46	0.00	Bone Spring 2nd
10300.00	0.00	180.00	10213.43	179.40	-1017.42	-78.46	0.00	
10400.00	0.00	180.00	10313.43	179.40	-1017.42	-78.46	0.00	
10500.00	0.00	180.00	10413.43	179.40	-1017.42	-78.46	0.00	
10600.00	0.00	180.00	10513.43	179.40	-1017.42	-78.46	0.00	
10663.62	0.00	180.00	10577.05	179.40	-1017.42	-78.46	0.00	KOP
10700.00	3.64	180.00	10613.41	178.24	-1017.42	-77.31	10.00	
10736.76	7.31	180.00	10650.00	174.74	-1017.42	-73.82	10.00	3rd Bone Spring Lime
10800.00	13.64	180.00	10712.15	163.24	-1017.42	-62.38	10.00	
10900.00	23.64	180.00	10806.78	131.33	-1017.42	-30.62	10.00	
11000.00	33.64	180.00	10894.44	83.46	-1017.42	17.02	10.00	
11100.00	43.64	180.00	10972.45	21.10	-1017.42	79.07	10.00	
11200.00	53.64	180.00	11038.45	-53.86	-1017.42	153.67	10.00	
11300.00	63.64	180.00	11090.43	-139.14	-1017.42	238.54	10.00	
11400.00	73.64	180.00	11126.81	-232.15	-1017.42	331.10	10.00	
11500.00	83.64	180.00	11146.48	-330.07	-1017.42	428.54	10.00	
11560.15	89.65	180.00	11150.00	-390.09	-1017.42	488.27	10.00	Landing Point, 3rd Bone Target Top / Point of Penetration
11600.00	89.65	180.00	11150.24	-429.94	-1017.42	527.93	0.00	
11700.00	89.65	180.00	11150.85	-529.94	-1017.42	627.44	0.00	
11800.00	89.65	180.00	11151.45	-629.94	-1017.42	726.95	0.00	
11900.00	89.65	180.00	11152.06	-729.93	-1017.42	826.47	0.00	
12000.00	89.65	180.00	11152.67	-829.93	-1017.42	925.98	0.00	
12100.00	89.65	180.00	11153.27	-929.93	-1017.42	1025.49	0.00	
12200.00	89.65	180.00	11153.88	-1029.93	-1017.42	1125.00	0.00	
12300.00	89.65	180.00	11154.48	-1129.93	-1017.42	1224.52	0.00	
12400.00	89.65	180.00	11155.09	-1229.92	-1017.42	1324.03	0.00	
12500.00	89.65	180.00	11155.70	-1329.92	-1017.42	1423.54	0.00	
12600.00	89.65	180.00	11156.30	-1429.92	-1017.42	1523.06	0.00	



Well: Boundary Raider 6-7 Fed Com 302H
County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

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

MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12700.00	89.65	180.00	11156.91	-1529.92	-1017.42	1622.57	0.00	
12800.00	89.65	180.00	11157.51	-1629.92	-1017.42	1722.08	0.00	
12900.00	89.65	180.00	11158.12	-1729.92	-1017.42	1821.60	0.00	
13000.00	89.65	180.00	11158.72	-1829.91	-1017.42	1921.11	0.00	
13100.00	89.65	180.00	11159.33	-1929.91	-1017.42	2020.62	0.00	
13200.00	89.65	180.00	11159.94	-2029.91	-1017.42	2120.14	0.00	
13300.00	89.65	180.00	11160.54	-2129.91	-1017.42	2219.65	0.00	
13400.00	89.65	180.00	11161.15	-2229.91	-1017.42	2319.16	0.00	
13500.00	89.65	180.00	11161.75	-2329.90	-1017.41	2418.68	0.00	
13600.00	89.65	180.00	11162.36	-2429.90	-1017.41	2518.19	0.00	
13700.00	89.65	180.00	11162.97	-2529.90	-1017.41	2617.70	0.00	
13800.00	89.65	180.00	11163.57	-2629.90	-1017.41	2717.22	0.00	
13900.00	89.65	180.00	11164.18	-2729.90	-1017.41	2816.73	0.00	
14000.00	89.65	180.00	11164.78	-2829.90	-1017.41	2916.24	0.00	
14100.00	89.65	180.00	11165.39	-2929.89	-1017.41	3015.76	0.00	
14200.00	89.65	180.00	11166.00	-3029.89	-1017.41	3115.27	0.00	
14300.00	89.65	180.00	11166.60	-3129.89	-1017.41	3214.78	0.00	
14400.00	89.65	180.00	11167.21	-3229.89	-1017.41	3314.30	0.00	
14500.00	89.65	180.00	11167.81	-3329.89	-1017.41	3413.81	0.00	
14600.00	89.65	180.00	11168.42	-3429.88	-1017.41	3513.32	0.00	
14700.00	89.65	180.00	11169.03	-3529.88	-1017.41	3612.84	0.00	
14800.00	89.65	180.00	11169.63	-3629.88	-1017.41	3712.35	0.00	
14900.00	89.65	180.00	11170.24	-3729.88	-1017.41	3811.86	0.00	
15000.00	89.65	180.00	11170.84	-3829.88	-1017.41	3911.38	0.00	
15100.00	89.65	180.00	11171.45	-3929.88	-1017.41	4010.89	0.00	
15200.00	89.65	180.00	11172.06	-4029.87	-1017.41	4110.40	0.00	
15300.00	89.65	180.00	11172.66	-4129.87	-1017.41	4209.92	0.00	
15400.00	89.65	180.00	11173.27	-4229.87	-1017.41	4309.43	0.00	
15500.00	89.65	180.00	11173.87	-4329.87	-1017.41	4408.94	0.00	
15600.00	89.65	180.00	11174.48	-4429.87	-1017.41	4508.46	0.00	
15700.00	89.65	180.00	11175.08	-4529.86	-1017.41	4607.97	0.00	
15800.00	89.65	180.00	11175.69	-4629.86	-1017.41	4707.48	0.00	
15900.00	89.65	180.00	11176.30	-4729.86	-1017.41	4807.00	0.00	
16000.00	89.65	180.00	11176.90	-4829.86	-1017.41	4906.51	0.00	
16100.00	89.65	180.00	11177.51	-4929.86	-1017.41	5006.02	0.00	
16200.00	89.65	180.00	11178.11	-5029.86	-1017.41	5105.54	0.00	
16300.00	89.65	180.00	11178.72	-5129.85	-1017.41	5205.05	0.00	
16400.00	89.65	180.00	11179.33	-5229.85	-1017.41	5304.56	0.00	
16500.00	89.65	180.00	11179.93	-5329.85	-1017.41	5404.08	0.00	
16600.00	89.65	180.00	11180.54	-5429.85	-1017.41	5503.59	0.00	
16700.00	89.65	180.00	11181.14	-5529.85	-1017.41	5603.10	0.00	
16800.00	89.65	180.00	11181.75	-5629.84	-1017.41	5702.62	0.00	
16900.00	89.65	180.00	11182.36	-5729.84	-1017.41	5802.13	0.00	
17000.00	89.65	180.00	11182.96	-5829.84	-1017.41	5901.64	0.00	
17100.00	89.65	180.00	11183.57	-5929.84	-1017.41	6001.15	0.00	
17200.00	89.65	180.00	11184.17	-6029.84	-1017.41	6100.67	0.00	
17300.00	89.65	180.00	11184.78	-6129.83	-1017.40	6200.18	0.00	
17400.00	89.65	180.00	11185.39	-6229.83	-1017.40	6299.69	0.00	
17500.00	89.65	180.00	11185.99	-6329.83	-1017.40	6399.21	0.00	
17600.00	89.65	180.00	11186.60	-6429.83	-1017.40	6498.72	0.00	
17700.00	89.65	180.00	11187.20	-6529.83	-1017.40	6598.23	0.00	
17800.00	89.65	180.00	11187.81	-6629.83	-1017.40	6697.75	0.00	
17900.00	89.65	180.00	11188.42	-6729.82	-1017.40	6797.26	0.00	
18000.00	89.65	180.00	11189.02	-6829.82	-1017.40	6896.77	0.00	
18100.00	89.65	180.00	11189.63	-6929.82	-1017.40	6996.29	0.00	
18200.00	89.65	180.00	11190.23	-7029.82	-1017.40	7095.80	0.00	
18300.00	89.65	180.00	11190.84	-7129.82	-1017.40	7195.31	0.00	
18400.00	89.65	180.00	11191.44	-7229.81	-1017.40	7294.83	0.00	
18500.00	89.65	180.00	11192.05	-7329.81	-1017.40	7394.34	0.00	
18600.00	89.65	180.00	11192.66	-7429.81	-1017.40	7493.85	0.00	
18700.00	89.65	180.00	11193.26	-7529.81	-1017.40	7593.37	0.00	
18800.00	89.65	180.00	11193.87	-7629.81	-1017.40	7692.88	0.00	
18900.00	89.65	180.00	11194.47	-7729.81	-1017.40	7792.39	0.00	
19000.00	89.65	180.00	11195.08	-7829.80	-1017.40	7891.91	0.00	
19100.00	89.65	180.00	11195.69	-7929.80	-1017.40	7991.42	0.00	
19200.00	89.65	180.00	11196.29	-8029.80	-1017.40	8090.93	0.00	
19300.00	89.65	180.00	11196.90	-8129.80	-1017.40	8190.45	0.00	
19400.00	89.65	180.00	11197.50	-8229.80	-1017.40	8289.96	0.00	
19500.00	89.65	180.00	11198.11	-8329.79	-1017.40	8389.47	0.00	
19600.00	89.65	180.00	11198.72	-8429.79	-1017.40	8488.99	0.00	



Well: Boundary Raider 6-7 Fed Com 302H
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Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	VS	DLS	Comment
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	
19700.00	89.65	180.00	11199.32	-8529.79	-1017.40	8588.50	0.00	
19800.00	89.65	180.00	11199.93	-8629.79	-1017.40	8688.01	0.00	
19900.00	89.65	180.00	11200.53	-8729.79	-1017.40	8787.53	0.00	
20000.00	89.65	180.00	11201.14	-8829.79	-1017.40	8887.04	0.00	
20100.00	89.65	180.00	11201.75	-8929.78	-1017.40	8986.55	0.00	#####
20200.00	89.65	180.00	11202.35	-9029.78	-1017.40	9086.07	0.00	#####
20300.00	89.65	180.00	11202.96	-9129.78	-1017.40	9185.58	0.00	#####
20400.00	89.65	180.00	11203.56	-9229.78	-1017.40	9285.09	0.00	#####
20500.00	89.65	180.00	11204.17	-9329.78	-1017.40	9384.61	0.00	#####
20600.00	89.65	180.00	11204.78	-9429.77	-1017.40	9484.12	0.00	#####
20700.00	89.65	180.00	11205.38	-9529.77	-1017.40	9583.63	0.00	#####
20800.00	89.65	180.00	11205.99	-9629.77	-1017.40	9683.15	0.00	#####
20900.00	89.65	180.00	11206.59	-9729.77	-1017.40	9782.66	0.00	#####
21000.00	89.65	180.00	11207.20	-9829.77	-1017.39	9882.17	0.00	#####
21100.00	89.65	180.00	11207.81	-9929.77	-1017.39	9981.69	0.00	#####
21200.00	89.65	180.00	11208.41	-10029.76	-1017.39	10081.20	0.00	#####
21300.00	89.65	180.00	11209.02	-10129.76	-1017.39	10180.71	0.00	#####
21384.36	89.65	180.00	11209.53	-10214.12	-1017.39	10264.66	0.00	exit exit
21400.00	89.65	180.00	11209.62	-10229.76	-1017.39	10280.23	0.00	#####
21464.36	89.65	180.00	11210.00	-10294.12	-1017.42	10344.28	0.00	BHL ##### BHL