

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
HOBBS OCD
Energy, Minerals and Natural Resources
FEB 20 2014
RECEIVED
CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

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.)		WELL API NO. 30-025-41373
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Devon Energy Production Company, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator 333 W. Sheridan Avenue, Oklahoma City, Oklahoma 73102-5015 (405) 552-7848		7. Lease Name or Unit Agreement Name GUADALCANAL STATE COM
4. Well Location Unit Letter M : 200 feet from the S line and 360 feet from the W line Section 25 Township 17S Range 36E NMPM Lea, County New Mexico		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3816.4'		9. OGRID Number 6137
		10. Pool name or Wildcat MIDWAY; BONE SPRING 46310

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

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

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.

Devon Energy Production Co., L.P. respectfully requests to change the original approved permit as follows:

Change surface location from: 100 FSL & 360 FWL; Sec. 25, T 17S, R 36E

to 200 FSL & 360 FWL; Sec. 25, T 17S, R 36E due to existing non-movable surface structure.

As a result of this SHL changes, our drill plan was revised.

Please see attached: revised drill plan, directional survey & C-102.

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

SIGNATURE David H. Cook TITLE Regulatory Specialist DATE 2/19/2014

Type or print name David H. Cook E-mail address: david.cook@dyn.com PHONE: (405) 552-7848

For State Use Only

APPROVED BY: Petroleum Engineer TITLE Petroleum Engineer DATE FEB 25 2014
Conditions of Approval (if any):

FEB 25 2014

DRILLING PROGRAM

Devon Energy Production Company, L.P.
Guadacanal State Com 1H

1. Geologic Name of Surface Formation: Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated FW, Oil, or Gas:

a. Fresh Water	400'	
b. Rustler	1969'	Barren
c. Yates	3248'	Barren
d. Seven Rivers	3555'	Barren
e. Queen	4197'	Oil / Gas
f. San Andres	4941'	Oil / Gas
g. Bell Canyon	5583'	Oil / Gas
h. 1 st Bone Spring SS	6214'	Oil / Gas
i. 2 nd Bone Spring SS	8276'	Oil / Gas
Total Depth	8647' TVD	13356' MD

3. Pressure Control Equipment:

A 3M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the surface casing shoe. The BOP system used to drill the intermediate hole will be tested per BLM Onshore Oil and Gas Order 2.

A 3M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the intermediate casing shoe. The BOP system used to drill the production hole will be tested per BLM Onshore Oil and Gas Order 2.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line); **if an H&P rig drills this well. Otherwise no flex line is needed.** The line will be kept as straight as possible with minimal turns.

Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.

4. Casing Program:

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight (lb/ft)	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
17-1/2"	0 - 1800'	13-3/8"	0 - 1800'	54.5	BTC	J-55	1.40	3.39	9.27
12-1/4"	1800-3300'	9-5/8"	0-3300'	40	LTC	J-55	1.18	1.05	3.81
8-3/4"	3300-13356'	5-1/2"	0-13356'	17	BTC	P-110	1.87	2.32	3.48

Casing Notes:

- All casing is new and API approved

Maximum Lateral TVD: 8730'

5. Proposed mud Circulations System:

Depth	Mud Weight	Viscosity	Fluid Loss	Type System
0-1800'	8.4-9.0	30-34	N/C	FW
1800-3300'	9.8-10.0	28-32	N/C	Brine
3300-13356'	8.6-9.0	28-32	N/C	FW

The necessary mud products for weight addition and fluid loss control will be on location at all times. Visual mud monitoring equipment will be in place to detect volume changes indicating loss or gain of circulating fluid volume. If abnormal pressures are encountered, electronic/mechanical mud monitoring equipment will be installed.

6. Cementing Table:

String	Number of sx	Weight lbs/gal	Water Volume g/sx	Yield cf/sx	Stage; Lead/Tail	Slurry Description
13-3/8" Surface	640	13.5	9.14	1.73	Lead	Class C Cement + 1% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81.1% Fresh Water
	820	14.8	6.35	1.35	Tail	Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water
9-5/8" Intermediate Single Stage	590	12.9	8.2	1.85	Lead	(60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.1% bwoc R-3 + 0.125 lbs/sack Cello Flake + 3 lbs/sack LCM-1 + 0.25% bwoc FL-52 + 1% bwoc Sodium Metasilicate + 83.4% Fresh Water
	690	14.8	6.35	1.35	Tail	Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water
5-1/2" Production Casing Single Stage	170	11.9	13.16	2.26	1 st Lead	(50:50) Poz (Fly Ash):Class H Cement + 0.5% bwoc FL-52 + 0.3% bwoc ASA-301 + 10% bwoc Bentonite + 0.35% bwoc R-21 + 130.7% Fresh Water
	265	12.9	11.01	1.96	2 nd Lead	(35:65) Poz (Fly Ash):Class H Cement + 3% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.7% bwoc FL-52 + 0.3% bwoc ASA-301 + 6% bwoc Bentonite + 105.5% Fresh Water
	2430	14.5	5.77	1.22	Tail	(50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.4% bwoc FL-52 + 0.5% bwoc Sodium Metasilicate + 57.3% Fresh Water

TOC for all Strings:

Surface @ 0'
 Intermediate @ 0'
 Production @ 3300'

Notes:

- Cement volumes Surface 100%, Intermediate 50%, Production based on at least 25% excess
- Actual cement volumes will be adjusted based on fluid caliper and caliper log data

7. Logging, Coring, and Testing Program:

- a. Drill stem tests will be based on geological sample shows.
- b. If a drill stem test is anticipated, a procedure, equipment to be used, and safety measures will be provided via sundry notice to the BLM.
- c. Resistivity and porosity logs are planned below the intermediate casing point. Stated logs run will be named in the Completion Report and submitted to the BLM. *OR* No logs are planned
- d. No coring program is planned
- e. Additional Testing will be initiated subsequent to setting the 5-1/2" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows, and drill stem tests.

8. Potential Hazards:

- a. No abnormal pressures or temperatures are expected. There is no known presence of H₂S in this area, and none is anticipated to be encountered. If H₂S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation being used to drill this well. Estimated BHP: 5000 psi, and estimated BHT: 165 degrees.
- b. Hydrogen Sulfide detection equipment will be in operation after drilling out the surface casing shoe until the production string is cemented. Breathing equipment will be on location upon drilling the surface casing shoe until total depth is reached.

9. Anticipated Starting Date and Duration of Operations:

- a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 20 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.



Project: Lea County (NAD83)
 Site: Guadalcanal State Com
 Well: Guadalcanal State Com 1H
 Original Hole
 Design 3



Azimuths to Grid North
 True North: -0.55°
 Magnetic North: 6.74°
 Magnetic Field
 Strength: 48684.4snT
 Dip Angle: 60.66°
 Date: 1/21/2014
 Model: BGGM2012



A Schlumberger Company

FORMATION TOP DETAILS

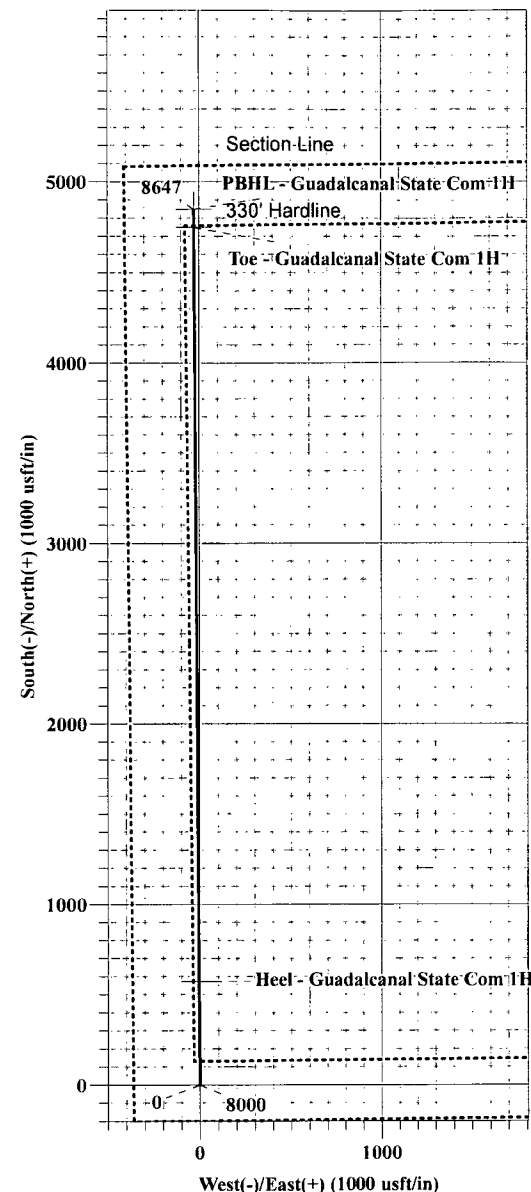
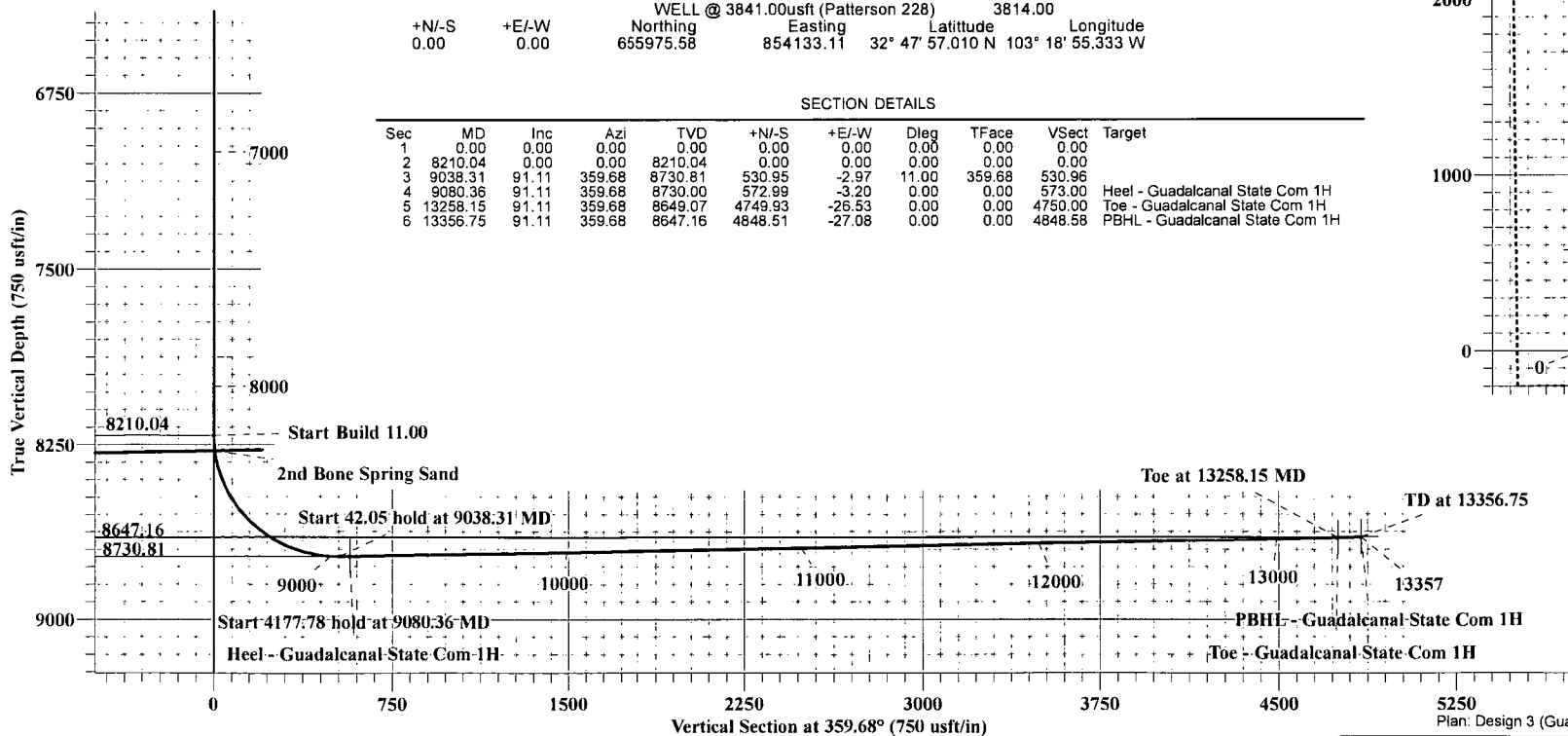
TVDPATH	MDPATH	FORMATION	DIPANGLE	DIPDIR
1969.00	1969.00	Rustler	-1.11	359.68
3248.00	3248.00	Yates	-1.11	359.68
3555.00	3555.00	Seven Rivers	-1.11	359.68
4197.00	4197.00	Queen	-1.11	359.68
4941.00	4941.00	San Andres	-1.11	359.68
5583.00	5583.00	Bell Canyon	-1.11	359.68
6214.00	6214.00	1st Bone Spring	-1.11	359.68
8275.92	8276.10	2nd Bone Spring Sand	-1.11	359.68

WELL DETAILS: Guadalcanal State Com 1H

WELL @ 3841.00usft (Patterson 228)		3814.00
+N/-S	+E/-W	
0.00	0.00	
Northing	Easting	Latitude
655975.58	854133.11	32° 47' 57.010 N
Longitude		
103° 18' 55.333 W		

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSECT	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8210.04	0.00	0.00	8210.04	0.00	0.00	0.00	0.00	0.00	
3	9038.31	91.11	359.68	8730.81	530.95	-2.97	11.00	359.68	530.96	
4	9080.36	91.11	359.68	8730.00	572.89	-3.20	0.00	0.00	573.00	Heel - Guadalcanal State Com 1H
5	13258.15	91.11	359.68	8649.07	4749.93	-26.53	0.00	0.00	4750.00	Toe - Guadalcanal State Com 1H
6	13356.75	91.11	359.68	8647.16	4848.51	-27.08	0.00	0.00	4848.58	PBHL - Guadalcanal State Com 1H



Plan: Design 3 (Guadalcanal State Com 1H/Original Hole)

Created By: Jenise Kirkpatrick Date: 9/48, February 04 2014

HOBBS OCD

FEB 20 2014

RECEIVED

Devon Energy, Inc.

Lea County (NAD83)

Guadacanal State Com

Guadacanal State Com 1H

Original Hole

Plan: Design 3

Standard Planning Report

04 February, 2014

Pathfinder - A Schlumberger Company

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Guadalcanal State Com 1H
Company:	Devon Energy, Inc.	TVD Reference:	WELL @ 3841.00usft (Patterson 228)
Project:	Lea County (NAD83)	MD Reference:	WELL @ 3841.00usft (Patterson 228)
Site:	Guadalcanal State Com	North Reference:	Grid
Well:	Guadalcanal State Com 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Design 3		

Project	Lea County (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Guadalcanal State Com				
Site Position:		Northing:	655,975.58 usft	Latitude:	32° 47' 57.010 N
From:	Map	Easting:	854,133.11 usft	Longitude:	103° 18' 55.333 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.55 °

Well	Guadalcanal State Com 1H				
Well Position	+N/-S	0.00 usft	Northing:	655,975.58 usft	Latitude: 32° 47' 57.010 N
	+E/-W	0.00 usft	Easting:	854,133.11 usft	Longitude: 103° 18' 55.333 W
Position Uncertainty	0.00 usft		Wellhead Elevation:	3,841.00 usft	Ground Level: 3,814.00 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	1/21/2014	7.30	60.66	48,684

Design	Design 3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.68

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8,210.04	0.00	0.00	8,210.04	0.00	0.00	0.00	0.00	0.00	0.00	
9,038.31	91.11	359.68	8,730.81	530.95	-2.97	11.00	11.00	0.00	359.68	
9,080.36	91.11	359.68	8,730.00	572.99	-3.20	0.00	0.00	0.00	0.00	Heel - Guadalcanal Si
13,258.15	91.11	359.68	8,649.07	4,749.93	-26.53	0.00	0.00	0.00	0.00	Toe - Guadalcanal St
13,356.75	91.11	359.68	8,647.16	4,848.51	-27.08	0.00	0.00	0.00	0.00	PBHL - Guadalcanal S

Pathfinder - A Schlumberger Company
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Guadalcanal State Com 1H
Company:	Devon Energy, Inc.	TVD Reference:	WELL @ 3841.00usft (Patterson 228)
Project:	Lea County (NAD83)	MD Reference:	WELL @ 3841.00usft (Patterson 228)
Site:	Guadalcanal State Com	North Reference:	Grid
Well:	Guadalcanal State Com 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Design 3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,210.04	0.00	0.00	8,210.04	0.00	0.00	0.00	0.00	0.00	0.00
8,276.10	7.27	359.68	8,275.92	4.18	-0.02	4.18	11.00	11.00	0.00
2nd Bone Spring Sand									
8,300.00	9.90	359.68	8,299.55	7.75	-0.04	7.75	11.00	11.00	0.00
8,400.00	20.90	359.68	8,395.82	34.26	-0.19	34.26	11.00	11.00	0.00
8,500.00	31.90	359.68	8,485.25	78.64	-0.44	78.64	11.00	11.00	0.00
8,600.00	42.90	359.68	8,564.58	139.28	-0.78	139.28	11.00	11.00	0.00
8,700.00	53.90	359.68	8,630.88	213.94	-1.19	213.94	11.00	11.00	0.00
8,800.00	64.90	359.68	8,681.71	299.88	-1.67	299.88	11.00	11.00	0.00
8,900.00	75.90	359.68	8,715.21	393.93	-2.20	393.94	11.00	11.00	0.00
9,000.00	86.90	359.68	8,730.15	492.65	-2.75	492.66	11.00	11.00	0.00
9,038.31	91.11	359.68	8,730.81	530.95	-2.97	530.96	11.00	11.00	0.00
9,080.36	91.11	359.68	8,730.00	572.99	-3.20	573.00	0.00	0.00	0.00
9,100.00	91.11	359.68	8,729.62	592.63	-3.31	592.64	0.00	0.00	0.00
9,200.00	91.11	359.68	8,727.68	692.61	-3.87	692.62	0.00	0.00	0.00
9,300.00	91.11	359.68	8,725.75	792.59	-4.43	792.60	0.00	0.00	0.00
9,400.00	91.11	359.68	8,723.81	892.56	-4.99	892.58	0.00	0.00	0.00
9,500.00	91.11	359.68	8,721.87	992.54	-5.54	992.56	0.00	0.00	0.00
9,600.00	91.11	359.68	8,719.93	1,092.52	-6.10	1,092.54	0.00	0.00	0.00
9,700.00	91.11	359.68	8,718.00	1,192.50	-6.66	1,192.52	0.00	0.00	0.00
9,800.00	91.11	359.68	8,716.06	1,292.48	-7.22	1,292.50	0.00	0.00	0.00
9,900.00	91.11	359.68	8,714.12	1,392.46	-7.78	1,392.49	0.00	0.00	0.00
10,000.00	91.11	359.68	8,712.19	1,492.44	-8.34	1,492.47	0.00	0.00	0.00
10,100.00	91.11	359.68	8,710.25	1,592.42	-8.89	1,592.45	0.00	0.00	0.00
10,200.00	91.11	359.68	8,708.31	1,692.40	-9.45	1,692.43	0.00	0.00	0.00
10,300.00	91.11	359.68	8,706.37	1,792.38	-10.01	1,792.41	0.00	0.00	0.00
10,400.00	91.11	359.68	8,704.44	1,892.36	-10.57	1,892.39	0.00	0.00	0.00
10,500.00	91.11	359.68	8,702.50	1,992.34	-11.13	1,992.37	0.00	0.00	0.00
10,600.00	91.11	359.68	8,700.56	2,092.32	-11.69	2,092.35	0.00	0.00	0.00
10,700.00	91.11	359.68	8,698.62	2,192.30	-12.24	2,192.33	0.00	0.00	0.00
10,800.00	91.11	359.68	8,696.69	2,292.28	-12.80	2,292.32	0.00	0.00	0.00
10,900.00	91.11	359.68	8,694.75	2,392.26	-13.36	2,392.30	0.00	0.00	0.00
11,000.00	91.11	359.68	8,692.81	2,492.24	-13.92	2,492.28	0.00	0.00	0.00
11,100.00	91.11	359.68	8,690.88	2,592.22	-14.48	2,592.26	0.00	0.00	0.00
11,200.00	91.11	359.68	8,688.94	2,692.20	-15.04	2,692.24	0.00	0.00	0.00
11,300.00	91.11	359.68	8,687.00	2,792.18	-15.59	2,792.22	0.00	0.00	0.00
11,400.00	91.11	359.68	8,685.06	2,892.16	-16.15	2,892.20	0.00	0.00	0.00
11,500.00	91.11	359.68	8,683.13	2,992.14	-16.71	2,992.18	0.00	0.00	0.00
11,600.00	91.11	359.68	8,681.19	3,092.12	-17.27	3,092.17	0.00	0.00	0.00
11,700.00	91.11	359.68	8,679.25	3,192.10	-17.83	3,192.15	0.00	0.00	0.00
11,800.00	91.11	359.68	8,677.32	3,292.08	-18.39	3,292.13	0.00	0.00	0.00
11,900.00	91.11	359.68	8,675.38	3,392.06	-18.95	3,392.11	0.00	0.00	0.00
12,000.00	91.11	359.68	8,673.44	3,492.04	-19.50	3,492.09	0.00	0.00	0.00
12,100.00	91.11	359.68	8,671.50	3,592.02	-20.06	3,592.07	0.00	0.00	0.00
12,200.00	91.11	359.68	8,669.57	3,692.00	-20.62	3,692.05	0.00	0.00	0.00
12,300.00	91.11	359.68	8,667.63	3,791.98	-21.18	3,792.03	0.00	0.00	0.00
12,400.00	91.11	359.68	8,665.69	3,891.96	-21.74	3,892.02	0.00	0.00	0.00
12,500.00	91.11	359.68	8,663.76	3,991.93	-22.30	3,992.00	0.00	0.00	0.00
12,600.00	91.11	359.68	8,661.82	4,091.91	-22.85	4,091.98	0.00	0.00	0.00
12,700.00	91.11	359.68	8,659.88	4,191.89	-23.41	4,191.96	0.00	0.00	0.00
12,800.00	91.11	359.68	8,657.94	4,291.87	-23.97	4,291.94	0.00	0.00	0.00
12,900.00	91.11	359.68	8,656.01	4,391.85	-24.53	4,391.92	0.00	0.00	0.00

Pathfinder - A Schlumberger Company

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Guadalcanal State Com 1H
Company:	Devon Energy, Inc.	TVD Reference:	WELL @ 3841.00usft (Patterson 228)
Project:	Lea County (NAD83)	MD Reference:	WELL @ 3841.00usft (Patterson 228)
Site:	Guadalcanal State Com	North Reference:	Grid
Well:	Guadalcanal State Com 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Design 3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,000.00	91.11	359.68	8,654.07	4,491.83	-25.09	4,491.90	0.00	0.00	0.00
13,100.00	91.11	359.68	8,652.13	4,591.81	-25.65	4,591.88	0.00	0.00	0.00
13,200.00	91.11	359.68	8,650.19	4,691.79	-26.20	4,691.87	0.00	0.00	0.00
13,258.15	91.11	359.68	8,649.07	4,749.93	-26.53	4,750.00	0.00	0.00	0.00
13,300.00	91.11	359.68	8,648.26	4,791.77	-26.76	4,791.85	0.00	0.00	0.00
13,356.75	91.11	359.68	8,647.16	4,848.51	-27.08	4,848.58	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL - Guadalcanal Sta - hit/miss target - Shape - Point	0.00	0.00	8,647.16	4,848.51	-27.18	660,824.09	854,105.93	32° 48' 44.982 N	103° 18' 55.104 W
- plan misses target center by 0.10usft at 13356.75usft MD (8647.16 TVD, 4848.51 N, -27.08 E)									
Toe - Guadalcanal State - plan misses target center by 0.07usft at 13258.15usft MD (8649.07 TVD, 4749.93 N, -26.53 E) - Point	0.00	0.00	8,649.00	4,749.93	-26.53	660,725.51	854,106.58	32° 48' 44.006 N	103° 18' 55.108 W
Heel - Guadalcanal State - plan hits target center - Point	0.00	0.01	8,730.00	572.99	-3.20	656,548.58	854,129.91	32° 48' 2.679 N	103° 18' 55.305 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,969.00	1,969.00	Rustler		-1.11	359.68
3,248.00	3,248.00	Yates		-1.11	359.68
3,555.00	3,555.00	Seven Rivers		-1.11	359.68
4,197.00	4,197.00	Queen		-1.11	359.68
4,941.00	4,941.00	San Andres		-1.11	359.68
5,583.00	5,583.00	Bell Canyon		-1.11	359.68
6,214.00	6,214.00	1st Bone Spring		-1.11	359.68
8,276.10	8,275.92	2nd Bone Spring Sand		-1.11	359.68