

15-39328



A Schlumberger Company

DIRECTIONAL SURVEY REPORT

DEVON ENERGY

CORAL PWU 28 #4H

EDDY COUNTY, NEW MEXICO

PREPARED BY: STEVE BIBB

Pathfinder

6213 WCR 112
Midland, Texas 79706
Tel (432)687-1647
Fax (432)687 1544

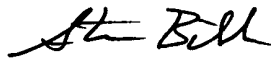


DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) WAYNE GRAHAM
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 11-21-11 TO 11-28-11
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY
7. TYPE OF SURVEY(S) PERFORMED: GAMMA-RAY
8. COMPLETE IDENTIFICATION OF WELL:

DEVON ENERGY
CORLA PWU 28 #4H
EDDY COUNTY, NM
RIG: H&P 223
9. SURVEY CERTIFIED FROM: 7387 TO 12268 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 4634.90 FEET ON A BEARING OF 1.42 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 12308 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



STEVE BIBB
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 11/21/2011
Date Completed: 11/28/2011

DEVON ENERGY CORPORATION
CORAL PWU 28 #4H
EDDY COUNTY COUNTY, NM
Rig:H&P 223
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers:W.GRAHAM
L.NATIVIDAD

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.37.31.4028 N LON:104.4.28.2768 W
GRID Reference:NAD83 new mexico east Transverse Mercator
Ref GRID Coord: X: 621016.9100 Y: 591344.6100
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.66° EAST TO GRID
Vertical Section Plane: 1.18
Survey Vert. Reference: 25.00' Rotary Table To Ground
Altitude:3302.00' Ground To MSL

Measured Depth	12308.00	(feet)
Inclination	89.60	(deg)
Azimuth	359.75	(deg)
True Vertical Depth	7960.03	(feet)
Vertical Section	4634.86	(feet)
Survey X cord	621131.61	(feet)
Survey Y cord	595978.09	(feet)
Survey Lat	32.63812494 N	(deg)
Survey Lon	104.07411206 W	(deg)
Rectangular Corr. N/S	4633.48 N	(feet)
Rectangular Corr. E/W	114.70 E	(feet)
Closure Distance	4634.90	(feet)
Direction of Closure	1.42	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

DEVON ENERGY CORPORATION

CORAL PWU 28 #4H

EDDY COUNTY COUNTY, NM

Rig:H&P 223

PathFinder Office Supervisor: FRANCISCO-SINISTERRA *STEVE BIRB*

PathFinder Field Engineers: W.GRAHAM

L.NATIVIDAD

Survey Horiz. Reference:WELLHEAD

Ref Coordinates: LAT:32.37.31.4028 N LON:104.4.28.2768 W

GRID Reference:NAD83 new mexico east Transverse Mercator

Ref GRID Coord: X: 621016.9100 Y: 591344.6100

North Aligned To:GRID NORTH

Total Magnetic Correction: 7.66° EAST TO GRID

Vertical Section Plane: 1.18

Survey Vert. Reference: 25.00' Rotary Table To Ground

Altitude:3302.00' Ground To MSL

Survey Calculations by RX5 V6.03E using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIED INTO GYRODATA GYRO SURVEY @ 7333' MD.										
7333.00	3.22	197.73	7329.53	0.00	24.55	24.20 N	17.05 E	29.60@	35.17	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
7387.00	3.52	356.32	7383.50	54.00	24.74	24.41 N	16.48 E	29.45@	34.03	12.26
7409.00	6.68	359.75	7405.41	22.00	26.70	26.36 N	16.43 E	31.07@	31.93	14.42
7440.00	11.52	2.74	7436.01	31.00	31.60	31.26 N	16.57 E	35.38@	27.93	15.68
7472.00	16.36	3.44	7467.06	32.00	39.30	38.96 N	17.00 E	42.50@	23.57	15.13
7503.00	19.79	5.11	7496.52	31.00	48.90	48.54 N	17.73 E	51.68@	20.06	11.19
7535.00	23.04	5.55	7526.31	32.00	60.55	60.18 N	18.81 E	63.05@	17.36	10.17
7567.00	26.03	6.96	7555.42	32.00	73.78	73.38 N	20.27 E	76.13@	15.44	9.52
7598.00	28.49	7.75	7582.97	31.00	87.90	87.46 N	22.09 E	90.21@	14.18	8.02
7630.00	29.81	9.42	7610.92	32.00	103.35	102.87 N	24.42 E	105.73@	13.36	4.84
7661.00	32.01	9.51	7637.51	31.00	119.11	118.58 N	27.04 E	121.62@	12.85	7.10
7693.00	34.56	9.51	7664.26	32.00	136.49	135.90 N	29.94 E	139.16@	12.43	7.97
7725.00	38.08	9.15	7690.04	32.00	155.24	154.60 N	33.01 E	158.08@	12.05	11.02
7756.00	40.45	9.33	7714.04	31.00	174.67	173.96 N	36.16 E	177.68@	11.74	7.65
7789.00	42.30	8.94	7738.80	33.00	196.27	195.50 N	39.63 E	199.47@	11.46	5.66
7821.00	45.11	9.09	7761.93	32.00	218.17	217.33 N	43.09 E	221.56@	11.21	8.79
7852.00	48.10	9.00	7783.23	31.00	240.48	239.57 N	46.63 E	244.07@	11.01	9.65
7884.00	48.89	8.96	7804.44	32.00	264.23	263.25 N	50.37 E	268.02@	10.83	2.47
7915.00	50.91	8.44	7824.40	31.00	287.73	286.68 N	53.96 E	291.72@	10.66	6.64
7947.00	53.29	8.66	7844.06	32.00	312.77	311.65 N	57.71 E	316.95@	10.49	7.46
7978.00	55.40	8.78	7862.13	31.00	337.74	336.55 N	61.53 E	342.13@	10.36	6.81
8010.00	57.33	9.66	7879.85	32.00	364.12	362.84 N	65.80 E	368.76@	10.28	6.45
8041.00	60.06	10.36	7895.96	31.00	390.29	388.93 N	70.41 E	395.25@	10.26	9.01
8073.00	62.96	10.65	7911.22	32.00	418.04	416.58 N	75.53 E	423.37@	10.28	9.10

PathFinder Energy Services, Inc.

Survey Report

DEVON ENERGY CORPORATION
CORAL PWU 28 #4H
EDDY COUNTY COUNTY, NM
RIG:H&P 223

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
8105.00	65.25	10.42	7925.19	32.00	446.45	444.88 N	80.80 E	452.15@	10.29	7.18
8135.00	67.36	9.34	7937.25	30.00	473.60	471.94 N	85.51 E	479.62@	10.27	7.77
8167.00	70.26	8.04	7948.82	32.00	503.17	501.43 N	90.01 E	509.44@	10.18	9.82
8198.00	73.16	7.81	7958.54	31.00	532.40	530.58 N	94.07 E	538.85@	10.05	9.38
8230.00	75.36	7.48	7967.22	32.00	563.00	561.10 N	98.17 E	569.62@	9.92	6.95
8261.00	77.91	7.00	7974.39	31.00	592.99	591.02 N	101.97 E	599.75@	9.79	8.36
8293.00	80.64	6.07	7980.34	32.00	624.29	622.25 N	105.54 E	631.14@	9.63	9.00
8324.00	83.19	5.95	7984.70	31.00	654.88	652.77 N	108.76 E	661.77@	9.46	8.23
8356.00	85.21	5.61	7987.94	32.00	686.61	684.45 N	111.96 E	693.54@	9.29	6.40
8387.00	87.58	5.84	7989.89	31.00	717.45	715.23 N	115.05 E	724.42@	9.14	7.68
8422.00	90.31	5.64	7990.53	35.00	752.33	750.04 N	118.55 E	759.35@	8.98	7.82
8454.00	90.48	4.58	7990.31	32.00	784.25	781.92 N	121.40 E	791.28@	8.83	3.35
8548.00	89.87	2.65	7990.02	94.00	878.16	875.72 N	127.32 E	884.93@	8.27	2.15
8643.00	89.43	2.12	7990.60	95.00	973.14	970.64 N	131.28 E	979.48@	7.70	0.72
8738.00	89.25	358.70	7991.70	95.00	1068.11	1065.61 N	131.96 E	1073.75@	7.06	3.60
8831.00	88.64	358.52	7993.41	93.00	1161.00	1158.57 N	129.70 E	1165.81@	6.39	0.68
8925.00	89.43	357.99	7994.99	94.00	1254.86	1252.51 N	126.84 E	1258.92@	5.78	1.01
9020.00	89.96	357.64	7995.50	95.00	1349.69	1347.44 N	123.22 E	1353.06@	5.22	0.67
9115.00	90.66	356.94	7994.98	95.00	1444.47	1442.33 N	118.73 E	1447.21@	4.71	1.04
9209.00	91.19	356.50	7993.47	94.00	1538.18	1536.17 N	113.35 E	1540.34@	4.22	0.73
9304.00	91.19	356.15	7991.49	95.00	1632.81	1630.95 N	107.26 E	1634.47@	3.76	0.37
9399.00	92.42	357.55	7988.50	95.00	1727.49	1725.76 N	102.04 E	1728.77@	3.38	1.96
9493.00	91.80	358.61	7985.04	94.00	1821.29	1819.64 N	98.90 E	1822.32@	3.11	1.31
9588.00	90.48	359.22	7983.15	95.00	1916.19	1914.60 N	97.10 E	1917.06@	2.90	1.53
9683.00	90.57	359.66	7982.28	95.00	2011.15	2009.59 N	96.17 E	2011.89@	2.74	0.47
9777.00	92.77	1.24	7979.54	94.00	2105.09	2103.54 N	96.91 E	2105.77@	2.64	2.88
9872.00	92.68	2.12	7975.02	95.00	2199.98	2198.39 N	99.69 E	2200.65@	2.60	0.93
9967.00	91.63	1.51	7971.45	95.00	2294.90	2293.27 N	102.70 E	2295.57@	2.56	1.28

PathFinder Energy Services, Inc.

Survey Report

DEVON ENERGY CORPORATION
CORAL PWU 28 #4H
EDDY COUNTY COUNTY, NM
RIG:H&P 223

Page 03/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(dg/100ft)
10061.00	91.10	1.16	7969.21	94.00	2388.87	2387.22 N	104.88 E	2389.52@	2.52	0.68
10156.00	90.57	1.16	7967.83	95.00	2483.86	2482.19 N	106.81 E	2484.49@	2.46	0.56
10250.00	90.57	1.33	7966.89	94.00	2577.86	2576.16 N	108.85 E	2578.46@	2.42	0.18
10345.00	90.84	2.30	7965.72	95.00	2672.85	2671.11 N	111.86 E	2673.45@	2.40	1.06
10440.00	89.69	0.81	7965.28	95.00	2767.84	2766.07 N	114.44 E	2768.43@	2.37	1.98
10534.00	89.52	1.51	7965.93	94.00	2861.84	2860.05 N	116.34 E	2862.41@	2.33	0.77
10629.00	89.60	0.89	7966.66	95.00	2956.83	2955.02 N	118.33 E	2957.39@	2.29	0.66
10724.00	89.60	359.14	7967.32	95.00	3051.81	3050.02 N	118.35 E	3052.31@	2.22	1.84
10818.00	90.92	358.61	7966.90	94.00	3145.73	3143.99 N	116.51 E	3146.15@	2.12	1.51
10913.00	91.36	358.70	7965.01	95.00	3240.62	3238.95 N	114.28 E	3240.96@	2.02	0.47
11008.00	91.89	359.66	7962.31	95.00	3335.52	3333.90 N	112.92 E	3335.81@	1.94	1.15
11102.00	92.07	0.45	7959.07	94.00	3429.44	3427.84 N	113.01 E	3429.71@	1.89	0.86
11197.00	92.24	0.98	7955.49	95.00	3524.37	3522.77 N	114.19 E	3524.62@	1.86	0.59
11292.00	90.75	359.75	7953.02	95.00	3619.33	3617.73 N	114.80 E	3619.55@	1.82	2.03
11386.00	91.10	359.75	7951.50	94.00	3713.28	3711.72 N	114.39 E	3713.48@	1.77	0.37
11481.00	91.10	0.01	7949.67	95.00	3808.24	3806.70 N	114.19 E	3808.41@	1.72	0.27
11575.00	90.66	1.24	7948.23	94.00	3902.23	3900.68 N	115.22 E	3902.38@	1.69	1.39
11670.00	89.60	0.19	7948.02	95.00	3997.22	3995.67 N	116.40 E	3997.36@	1.67	1.57
11765.00	87.85	0.72	7950.13	95.00	4092.18	4090.64 N	117.15 E	4092.32@	1.64	1.92
11859.00	87.76	0.54	7953.73	94.00	4186.11	4184.56 N	118.19 E	4186.23@	1.62	0.21
11954.00	89.25	358.87	7956.21	95.00	4281.04	4279.52 N	117.70 E	4281.14@	1.58	2.36
12049.00	89.16	359.14	7957.53	95.00	4375.96	4374.50 N	116.05 E	4376.04@	1.52	0.30
12143.00	89.34	359.75	7958.76	94.00	4469.91	4468.49 N	115.14 E	4469.97@	1.48	0.68
12238.00	89.69	0.01	7959.56	95.00	4564.88	4563.48 N	114.94 E	4564.93@	1.44	0.46
12268.00	89.60	359.75	7959.75	30.00	4594.87	4593.48 N	114.88 E	4594.92@	1.43	0.92
STRAIGHT LINE PROJECTION TO BIT DEPTH AT 12308' MD.										
12308.00	89.60	359.75	7960.03	40.00	4634.86	4633.48 N	114.70 E	4634.90@	1.42	0.00



A Schlumberger Company

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	DEVON ENERGY CORPORATION		
LEASE / WELL No.:	CORAL PWU 28 #4H		
WELL LOCATION:	EDDY COUNTY		
COUNTY / STATE / COUNTRY:	EDDY COUNTY	NM	USA
RIG:	H&P 223		
API WELL No:	30-15-3328		
JOB No:	700004202-WT-WT		
P.O. / AFE No.	158218		
DIRECTIONAL COMPANY:	PES		

WELL SITE INFORMATION

TOTAL MAGNETIC CORRECTION (TMC):			
<i>On Wall Plat:</i>		<i>LWD Calculated:</i>	
X = 621016 910000 Feet		Y = 591344 610000 Feet	
SITE LATITUDE 32.62539		SITE LONGITUDE: 104.074521	
GRID SYSTEM:	TRUE ☐ UTM ☐ LAMBERT ☒	ZONE: NEW MEXICO EASTERN ZONE	
PROPOSED DRIFT DIRECTION:		1 18	
KELLY BUSHING ELEVATION:		3327	
ALTITUDE:	3322 Feet	WATER DEPTH:	Feet

TIE-IN SURVEY

MEASURED DEPTH:	7333		
DRIFT ANGLE:	3.22		
DRIFT DIRECTION:	197.73		
TRUE VERTICAL DEPTH:	7329.53		
VERTICAL SECTION:	24.55		
RECTANGULAR COORDINATE (N / S) :	24.2		
RECTANGULAR COORDINATE (E / W) :	17.05		
CLOSURE DISTANCE / DIRECTION:	29.60	35.17	
SURVEY CALCULATION METHOD:	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY) :			
COPY OF TIE-IN SURVEY REPORT		☒ YES	☐ NO

WELL PLAN

KICKOFF DEPTH:	7350	12308
KICKOFF ANGLE:	90	MAX ANGLE: 92

PES Engineers:

W.GRAHAM

L NATIVIDAD

**Signature of both field engineers required if applicable

Directional Driller: W.TINSLEY

DATE: 17-Nov-2011

Devon - Coral PWU 28 _4H Post Gyro Plan _3 TXT

H HEADER INFORMATION

H COMPANY : Devon Energy, Inc.
H FIELD : Eddy County
H SITE : Coral PWU "28"
H WELL : #4H
H WELLPATH: OH
H DEPTHUNT: usft
H SURVDATE: 1/1/1990

H WELL INFORMATION

H WELL EW MAP : 621016.91
H WELL NS MAP : 591344.61
H DATUM ELEVN : 3327.00
H VSECT ANGLE : 1.18
H VSECT NORTH : 0.00
H VSECT EAST : 0.00

H SURVEY TYPE INFORMATION

H 200.00 - 7333.00 GYRO : NS-GYRO-MS
H 7333.00 - 12389.85 POST GYRO PLAN #3 : NS-GYRO-MS

H SURVEY LIST

H MD	INC	AZI	TVD	NS	EW
0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.49	114.86	200.00	-0.36	0.78
400.00	0.55	133.10	399.99	-1.37	2.25
600.00	0.81	98.63	599.98	-2.24	4.35
800.00	2.08	81.69	799.91	-1.93	9.34
1000.00	2.92	88.61	999.72	-1.28	18.02
1200.00	2.37	93.30	1199.50	-1.40	27.25
1400.00	2.05	97.36	1399.35	-2.09	34.92
1600.00	1.71	116.08	1599.25	-3.86	41.15
1800.00	1.55	119.09	1799.17	-6.49	46.19
2000.00	1.50	128.35	1999.10	-9.43	50.61
2200.00	1.33	127.67	2199.04	-12.47	54.50
2400.00	0.92	81.42	2399.00	-13.65	57.93
2600.00	0.97	81.06	2598.97	-13.15	61.19
2800.00	1.00	73.22	2798.94	-12.38	64.53
3000.00	0.87	77.84	2998.92	-11.56	67.68
3200.00	1.07	82.47	3198.89	-10.99	71.02
3400.00	1.05	101.29	3398.86	-11.11	74.67
3600.00	1.03	137.65	3598.82	-12.79	77.68
3800.00	1.95	192.51	3798.76	-17.45	78.15
4000.00	2.27	196.34	3998.63	-24.57	76.30
4200.00	1.28	223.31	4198.53	-29.99	73.65
4400.00	0.87	243.50	4398.50	-32.30	70.76
4600.00	0.79	286.15	4598.48	-32.59	68.08
4800.00	0.82	283.99	4798.46	-31.86	65.36
5000.00	0.69	270.43	4998.44	-31.51	62.77
5200.00	1.34	289.18	5198.41	-30.73	59.36
5400.00	1.70	273.73	5398.34	-29.77	54.19
5600.00	1.76	285.17	5598.25	-28.77	48.27
5800.00	1.85	302.15	5798.15	-26.25	42.57
6000.00	2.35	338.23	5998.02	-20.72	38.31
6200.00	3.72	356.69	6197.74	-10.44	36.42
6400.00	3.64	352.17	6397.33	2.33	35.18
6600.00	3.03	343.94	6596.99	13.70	32.85
6800.00	1.73	335.18	6796.82	21.52	30.12
7000.00	1.80	299.55	6996.73	25.81	26.12
7200.00	1.86	275.74	7196.63	27.68	20.16
7300.00	2.60	203.75	7296.57	25.77	17.63
7333.00	3.22	197.73	7329.53	24.20	17.05
7409.10	3.22	197.73	7405.51	20.13	15.75



A Schlumberger Company

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

Devon Energy
Coral PWU 28 #4H
Eddy County, Tx
Rig:HP 223

Tue Nov 01 11:43:52 2011

Coordinates

Latitude: 32.625390 N (32 deg. 37 min. 31.4028 sec.)
Longitude: 104.074521 W (-104 deg. 4 min. 28.2768 sec.)
Elevation: 3327.00 feet.
Calculation Date: Nov/01/2011

Magnetic Calculations

Model: IGRF2010
Dip Angle: 60.4621 degrees
Total Magnetic Field: 0.48765 gauss
Magnetic Declination: 7.800860 degrees
Horizontal Intensity: 0.240410 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.800860 Degr

Transverse Mercator Grid Calculations NAD83

Grid System: Transverse Mercator: new mexico east
Ellipsoid: GRS80
X: 621016.9100 feet
Y: 591344.6100 feet
True to Grid: (convergence) -0.139538 degrees
Magnetic to Grid: 7.661322 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.661322 Degr.

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

DEVON ENERGY CORPORATION
CORAL PWU 28 #4H
PARKWAY; BONE SPRING

Field
copy
my

Sun Nov 20 13:59:23 2011

Coordinates

Latitude: 32.625390 N (32 deg. 37 min. 31.4028 sec.)
Longitude: 104.074521 W (-104 deg. 4 min. 28.2768 sec.)
Elevation: 3327.00 feet.
Calculation Date: Nov/20/2011

Magnetic Calculations

Model: IGRF2010
Dip Angle: 60.4608 degrees
Total Magnetic Field: 0.48760 gauss
Magnetic Declination: 7.794510 degrees
Horizontal Intensity: 0.240394 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.794510 Degr

Transverse Mercator Grid Calculations NAD83

Grid System: Transverse Mercator: new mexico east
Ellipsoid: GRS80
X: 621016.9100 feet
Y: 591344.6100 feet
True to Grid: (convergence) -0.139538 degrees
Magnetic to Grid: 7.654972 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.654972 Degr.

District I
1425 N. French Dr., Hobbs, NM 88240
Phone (505) 363-6161 Fax (505) 363-0720

District II
511 W. First St., Artesia, NM 88210
Phone (505) 745-1263 Fax (505) 745-6710

District III
1000 Rio Grande Rd., Artesia, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170

District IV
1229 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

Form C-161
August 1, 2011
Permit 13-272

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address DEVON ENERGY PRODUCTION COMPANY LP 20 N Broadway Oklahoma City, OK 73102		2. OGRID Number 6137
		3. API Number 30-015-39328
4. Property Code 38555	5. Property Name CORAL PWU 28	6. Well No 004H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/W Line	Feet From	E/W Line	County
P	28	19S	29E	P	330	S	990	E	EDDY

8. Pool Information

PARKWAY BONE SPRING	49622
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Additional Well Information

9. Well Type New Well	10. Well Type OIL	11. Cable/ Rotary	12. Lease Type State	13. Ground Level Elevation 3302
14. Multiple N	15. Proposed Depth 12399	16. Formation Bone Spring	17. Contractor	18. Spud Date 9/1/2011
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	300	500	0
Int1	12.25	9.625	40	2700	1050	0
Prod	8.75	5.5	17	12399	400	
Prod	8.75	5.5	17	7100	2300	2200

Casing/Cement Program: Additional Comments

13 3/8 w/ 500 sx C1C + 2% CaCl + 1/4 lb/sx Cello flakes, 9 5/8 w/ 1050 sx C1C + 2% CaCl + 1/4 lb/sx Cello flakes. 5 1/2 Stage 1 w/ 2300 sx C1C + 2% CaCl + 1/4 lb/sx Cello flakes, Stage 2 w/ 400 sx C1C + 2% CaCl + 1/4 lb/sx Cello flakes. DV tool @ 4500' An 8-3/4" pilot hole will be drilled to 8,160 ft and plugged back to KOP with approx 400 sxs of Class H 15.6 ppg 1.18 cfsk cement Mud: 0-300' fresh. 8 4-9 0 30-34, NC water loss. 300-2700' brine 9.8-10, 28-32, NC water loss. 2700-12399' fresh. 8 6-9 0. 28-32, NC-12

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
Pipe	3000	3000	
Double Ram	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCOD guideline: ☐ a general permit, or an (attached) alternative OCD-approved plan.	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Randy Bolles	Approved By: Randy Dade	
Title: Manager Regulatory Affairs	Title: District Supervisor	
Email Address: randy.bolles@dvn.com	Approved Date: 8/18/2011	Expiration Date: 8/18/2013
Date: 8/17/2011	Phone: 405-228-8588	Conditions of Approval Attached