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

HOBBS OCD
MAY 13 2015
RECEIVED

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. 30-025-42455	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	

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.)

HOBBS OCD
MAY 13 2015
RECEIVED

1. Type of Well: Oil Well ☒ Gas Well ☐ Other	7. Lease Name or Unit Agreement Name: CHILES 28 STATE
	8. Well Number 1H
2. Name of Operator: Devon Energy Production Company, L.P.	9. OGRID Number: 6137
3. Address of Operator: 333 West Sheridan Ave. Oklahoma City, Oklahoma 73102-5010 (405) 552-7848	10. Pool name or Wildcat: 2nd Bone Spring; Bone Spring

4. Well Location
Unit Letter D : 350 feet from the N line and 350 feet from the W line
Section 28 Township 21S Range 34E NMPM Lea County New Mexico

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3712'

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
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.

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

- **Change Intermediate casing point interval from 0' – 5650'**, (0-4300', 4300-5650'), **to 0' – 3800'**, (0-3400', 3400'-3800'), due to updated geoprog.

  See attached revised Drill Plan and Directional Survey.

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

SIGNATURE _____ TITLE Regulatory Specialist DATE 5/13/2015

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

For State Use Only

APPROVED BY: _____ TITLE Petroleum Engineer DATE 05/13/15

Conditions of Approval (if any):

MAY 13 2015

Devon Energy, Chiles 28 State 1H

1. Geologic Formations

TVD of target	10,927'	Pilot hole depth	N/A
MD at TD:	15,324'	Deepest expected fresh water:	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Rustler	1,826	Water	
Top of Salt	2,092	Salt	
Base of Salt	3,637		
Cherry Canyon	5,769	Oil	
Brushy Canyon	7,050	Oil	
Lower Brushy	8,452	Oil	
1st Bone Spring Lime	8,707	Oil	
2nd Bone Spring Lime	10,204	Oil	
2nd Bone Spring Sand	10,583	Oil	

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

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0	1,900'	13.375"	54.5	J-55	BTC	1.40	3.40	9.90
12.25"	0	3,400'	9.625"	36	J-55	LTC	1.15	1.66	1.97
12.25"	3,400'	3,800'	9.625"	40	J-55	LTC	1.18	1.81	3.10
8.75"	0	10,350'	7"	29	P-110	BTC	1.80	2.20	3.10
8.75"	10,350'	15,324'	5.5"	17	P-110	BTC	2.10	1.40	2.00
				BLM Minimum Safety Factor			1.125	1.00	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	H_2O gal/sk	Yld ft3/ sack	500# Comp. Strength (hours)	Slurry Description
13-3/8" Surface	1060	12.9	9.81	1.87	14	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	550	14.8	6.32	1.33	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
9-5/8" Inter.	755	12.9	9.81	1.87	14	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	395	14.8	6.32	1.33	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
7 x 5-1/2" Prod	605	10.4	16.9	3.32	16	Lead: Tuned Light ® + 0.125 lb/sk Pol-E-Flake
	1035	14.5	5.31	1.2	25	Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite

Casing String	TOC	% Excess
13-3/8" Surface	0'	100%
9-5/8" Intermediate	0'	75%
5-1/2" Production Casing	3800'	25%

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
12-1/4"	13-5/8"	3M	Annular	x	50% of working pressure
			Blind Ram		3M
			Pipe Ram		
			Double Ram	x	
			Other*		
8-3/4"	13-5/8"	3M	Annular	x	50% testing pressure
			Blind Ram		3M
			Pipe Ram		
			Double Ram	x	
			Other *		
			Annular	x	50% testing pressure
			Blind Ram		
			Pipe Ram		
			Double Ram	x	
			Other *		

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.

Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.	
	Y	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. Devon proposes using a multi-bowl wellhead assembly (FMC Uni-head). This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi. • Wellhead will be installed by FMC's representatives. • If the welding is performed by a third party, the FMC's representative will monitor the temperature to verify that it does not exceed the maximum temperature of the seal. • FMC representative will install the test plug for the initial BOP test. • FMC will install a solid steel body pack-off to completely isolate the lower head after cementing intermediate casing. After installation of the pack-off, the pack-off and the lower flange will be tested to 3M, as shown on the attached schematic. Everything above the pack-off will not have been altered whatsoever from the initial nipple up. Therefore the BOP components will not be retested at that time. • If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head will be cut and top out operations will be conducted. • Devon will pressure test all seals above and below the mandrel (but still above the casing) to full working pressure rating. • Devon will test the casing to 0.22 psi/ft or 1500 psi, whichever is greater, as per Onshore Order #2. After running the 13-3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 5M will be installed on the FMC Uni-head wellhead system and will undergo a 250 psi low pressure test followed by a 5,000 psi high pressure test. The 3,000 psi high and 250 psi low test will cover testing requirements a maximum of 30 days, as per Onshore Order #2. If the well is not complete within 30 days of this BOP test, another full BOP test will be conducted, as per Onshore Order #2. After running the 9-5/8" intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 3M will already be installed on the FMC Uni-head. 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). The line will be kept as straight as possible with minimal turns. See attached schematic.

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	1,900'	FW Gel	8.6-8.8	28-34	N/C
1,900'	3,800'	Saturated Brine	10.0-10.2	28-34	N/C
3,800'	15,324'	Cut Brine	8.5-9.3	28-34	N/C

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

6. Logging and Testing Procedures

Logging, Coring and Testing.	
x	Will run GR/CNL fromTD 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	2880 psi
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	H2S is present
Y	H2S Plan attached

8. Other facets of operation

Is this a walking operation? No.
Will be pre-setting casing? No.

Attachments
_x_ Directional Plan
___ Other, describe

devon

Weatherford

Chiles 28 State 1H
Lea Co, NM

Plan Data for Chiles 28 State 1H

Plan Point Information:

DogLeg Severity Unit: °/100.00ft Position offsets from Slot centre

MD (USft)	Inc (°)	Az (°)	TVD (USft)	+N/-S (USft)	+E/-W (USft)	Northing (USft)	Easting (USft)	VSec (USft)	DLS (DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	530722.90	803837.30	0.00	0.00
10445.64	0.00	0.00	10445.64	0.00	0.00	530722.90	803837.30	0.00	0.00
11028.97	70.00	168.21	10894.31	-307.53	64.19	530415.37	803901.49	308.08	12.00
11228.49	91.23	179.50	10926.77	-501.87	84.50	530221.03	803921.80	502.59	12.00
15324.26	91.23	179.50	10839.00	-4596.54	119.91	526126.36	803957.21	4597.41	0.00

Plan Data for Chiles 28 State 1H

Target Set Information:
Name: Chiles 28 State 1H
Position offsets from Slot centre

Name	TVD (USft)	+N/-S (USft)	+E/-W (USft)	Northing (USft)	Easting (USft)	Shape	Comment
PBHL 1H	10839.00	-4596.54	119.91	526126.36	803957.21	Cuboid	

Plan Data for Chiles 28 State 1H

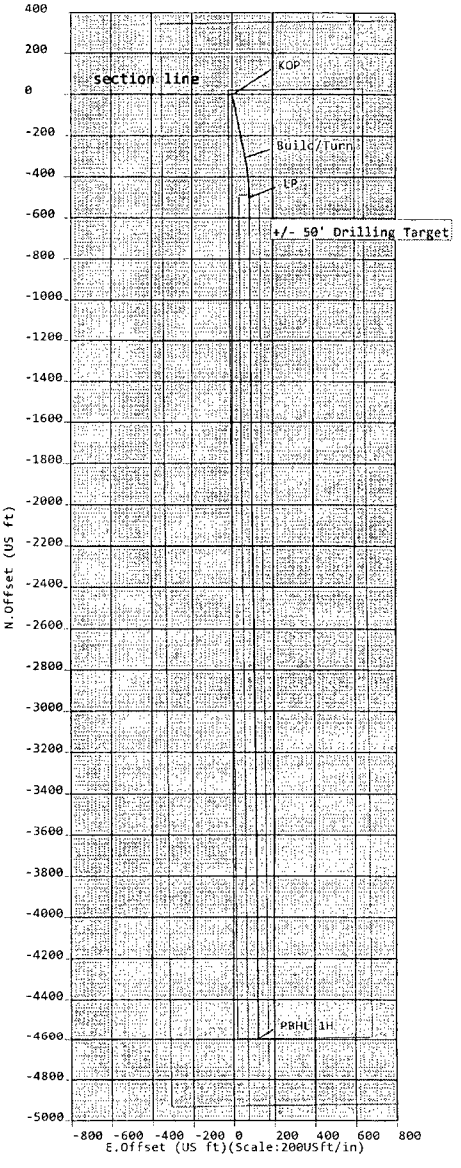
Slot: Chiles 28 State 1H
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 530722.90USft Latitude: 32°27'22.1"
+E/-W: 0.00USft Easting: 803837.30USft Longitude: -103°28'56.3"
Elevation Above VRD: 3712.00USft

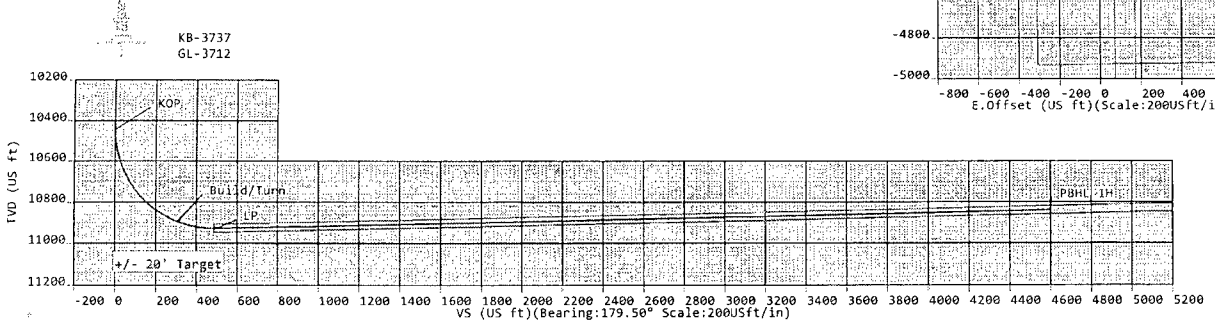
Plan Data for Chiles 28 State 1H

Well: Chiles 28 State 1H
Type: Main-Well
File Number:
Plan Folder: P1 Plan: P1:V2
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 179.50°
+E/-W: 0.00USft
Magnetic Parameters:

Model:	Field Strength:	Declination:	Dip:	Date:
BGGM	48346(nT)	7.26°	60.31°	2015-05-15

Chiles 28 State 1H





Sign Off: Russell Joyner

5D Plan Report

Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*
Site Name: *Chiles 28 State 1H*
Well Name: *Chiles 28 State 1H*
Plan: *P1:V2*

17 April 2015

Chiles 28 State 1H

Field Name
Lea Co, NM Nad 83 NMEZ

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 Name
Chiles 28 State 1H

Units : US ft **North Reference** : Grid **Convergence Angle :** 0.46
Position **Northing :** 530722.90 US ft **Latitude :** 32° 27' 22.12"
Easting : 803837.30 US ft **Longitude :** -103° 28' 56.28"
Elevation above Mean Sea Level:3712.00 US ft
Comment :

Slot Name
Chiles 28 State 1H

Position (Offsets relative to Site Centre)
+N / -S : 0.00 US ft **Northing :**530722.90 US ft **Latitude :** 32°27'22.12"
+E / -W : 0.00 US ft **Easting :**803837.30 US ft **Longitude :** -103°28'56.28"
Slot TVD Reference : Ground Elevation
Elevation above Mean Sea Level : 3712.00 US ft
Comment :

Well Name
Chiles 28 State 1H

Type : Main well **UWI :** **Plan :** P1:V2
Rig Height *Kelly Bushing* : 25.00 US ft **Comment :**
Relative to Mean Sea Level: 3737.00 US ft
Closure Distance : 4598.1 US ft **Closure Azimuth :** 178.506°
Vertical Section (Position of Origin Relative to Slot)
+N / -S : 0.00 US ft **+E / -W :** 0.00 US ft **Az :**179.50°
Magnetic Parameters
Model : BGGM **Field Strength :** 48346.4nT **Dec :** 7.26° **Dip :** 60.31° **Date :** 15/May/2015

Target Set

Name : Chiles 28 State 1H **Number of Targets :** 1

Comment :

Target Name:
PBHL 1H

Position (Relative to Slot centre)
+N / -S : -4596.54US ft **Northing :** 526126.36 US ft **Latitude :** 32°26'36.63"
+E / -W : 119.91 US ft **Easting :** 803957.21US ft **Longitude :** -103°28'55.31"

Shape:
Cuboid

TVD (Kelly Bushing) : 10839.00 US ft

Orientation **Azimuth :** 179.50° **Inclination :** 1.23°
Dimensions **Length :** 8222.00 US ft **Breadth :** 100.00 US ft **Height :** 40.00 US ft

Well path created using minimum curvature

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 (°/100 US ft)	B.Rate (°/100 US ft)	T.Rate (°/100 US 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	

3D 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 (°/100 US ft)	B.Rate (°/100 US ft)	T.Rate (°/100 US ft)	T.Face (°)	Comment
10445.64	0.00	0.00	10445.64	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	KOP
11028.97	70.00	168.21	10894.31	-307.53	64.19	308.08	12.00	12.00	0.00	168.21	Build/Turn
11228.49	91.23	179.50	10926.77	-501.87	84.50	502.59	12.00	10.64	5.66	28.85	LP
15324.26	91.23	179.50	10839.00	-4596.54	119.91	4597.41	0.00	0.00	0.00	0.00	PBHL 1H

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 (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
10400.00	0.00	0.00	10400.00	0.00	0.00	-0.00	0.00	530722.90	803837.30	
10445.64	0.00	0.00	10445.64	0.00	0.00	-0.00	0.00	530722.90	803837.30	KOP
10500.00	6.52	168.21	10499.88	-3.03	0.63	3.03	12.00	530719.87	803837.93	
10600.00	18.52	168.21	10597.33	-24.21	5.05	24.26	12.00	530698.69	803842.35	
10700.00	30.52	168.21	10688.14	-64.77	13.52	64.88	12.00	530658.13	803850.82	
10800.00	42.52	168.21	10768.35	-122.92	25.66	123.14	12.00	530599.98	803862.96	
10900.00	54.52	168.21	10834.46	-196.13	40.94	196.48	12.00	530526.77	803878.24	
11000.00	66.52	168.21	10883.58	-281.19	58.69	281.69	12.00	530441.71	803895.99	
11028.97	70.00	168.21	10894.31	-307.53	64.19	308.08	12.00	530415.37	803901.49	Build/Turn
11100.00	77.51	172.41	10914.17	-374.70	75.61	375.34	12.00	530348.20	803912.91	
11200.00	88.18	177.95	10926.62	-473.39	83.87	474.10	12.00	530249.51	803921.17	
11228.49	91.23	179.50	10926.77	-501.87	84.50	502.59	12.00	530221.03	803921.80	LP
11300.00	91.23	179.50	10925.23	-573.36	85.12	574.08	0.00	530149.54	803922.42	
11400.00	91.23	179.50	10923.09	-673.33	85.99	674.06	0.00	530049.57	803923.29	
11500.00	91.23	179.50	10920.95	-773.30	86.85	774.03	0.00	529949.60	803924.15	
11600.00	91.23	179.50	10918.81	-873.28	87.72	874.01	0.00	529849.62	803925.02	
11700.00	91.23	179.50	10916.66	-973.25	88.58	973.99	0.00	529749.65	803925.88	
11800.00	91.23	179.50	10914.52	-1073.22	89.44	1073.96	0.00	529649.68	803926.74	
11900.00	91.23	179.50	10912.38	-1173.20	90.31	1173.94	0.00	529549.70	803927.61	
12000.00	91.23	179.50	10910.23	-1273.17	91.17	1273.92	0.00	529449.73	803928.47	
12100.00	91.23	179.50	10908.09	-1373.14	92.04	1373.89	0.00	529349.76	803929.34	
12200.00	91.23	179.50	10905.95	-1473.12	92.90	1473.87	0.00	529249.78	803930.20	
12300.00	91.23	179.50	10903.81	-1573.09	93.77	1573.85	0.00	529149.81	803931.07	
12400.00	91.23	179.50	10901.66	-1673.06	94.63	1673.83	0.00	529049.84	803931.93	
12500.00	91.23	179.50	10899.52	-1773.04	95.50	1773.80	0.00	528949.86	803932.80	
12600.00	91.23	179.50	10897.38	-1873.01	96.36	1873.78	0.00	528849.89	803933.66	
12700.00	91.23	179.50	10895.23	-1972.98	97.22	1973.76	0.00	528749.92	803934.52	
12800.00	91.23	179.50	10893.09	-2072.96	98.09	2073.73	0.00	528649.94	803935.39	
12900.00	91.23	179.50	10890.95	-2172.93	98.95	2173.71	0.00	528549.97	803936.25	
13000.00	91.23	179.50	10888.81	-2272.90	99.82	2273.69	0.00	528450.00	803937.12	
13100.00	91.23	179.50	10886.66	-2372.88	100.68	2373.67	0.00	528350.02	803937.98	
13200.00	91.23	179.50	10884.52	-2472.85	101.55	2473.64	0.00	528250.05	803938.85	
13300.00	91.23	179.50	10882.38	-2572.82	102.41	2573.62	0.00	528150.08	803939.71	
13400.00	91.23	179.50	10880.23	-2672.80	103.28	2673.60	0.00	528050.10	803940.58	
13500.00	91.23	179.50	10878.09	-2772.77	104.14	2773.57	0.00	527950.13	803941.44	
13600.00	91.23	179.50	10875.95	-2872.74	105.00	2873.55	0.00	527850.16	803942.30	
13700.00	91.23	179.50	10873.81	-2972.72	105.87	2973.53	0.00	527750.18	803943.17	
13800.00	91.23	179.50	10871.66	-3072.69	106.73	3073.50	0.00	527650.21	803944.03	
13900.00	91.23	179.50	10869.52	-3172.66	107.60	3173.48	0.00	527550.24	803944.90	
14000.00	91.23	179.50	10867.38	-3272.64	108.46	3273.46	0.00	527450.26	803945.76	
14100.00	91.23	179.50	10865.23	-3372.61	109.33	3373.44	0.00	527350.29	803946.63	
14200.00	91.23	179.50	10863.09	-3472.58	110.19	3473.41	0.00	527250.32	803947.49	
14300.00	91.23	179.50	10860.95	-3572.56	111.06	3573.39	0.00	527150.34	803948.36	
14400.00	91.23	179.50	10858.81	-3672.53	111.92	3673.37	0.00	527050.37	803949.22	
14500.00	91.23	179.50	10856.66	-3772.50	112.78	3773.34	0.00	526950.40	803950.08	
14600.00	91.23	179.50	10854.52	-3872.48	113.65	3873.32	0.00	526850.42	803950.95	
14700.00	91.23	179.50	10852.38	-3972.45	114.51	3973.30	0.00	526750.45	803951.81	
14800.00	91.23	179.50	10850.23	-4072.42	115.38	4073.27	0.00	526650.48	803952.68	
14900.00	91.23	179.50	10848.09	-4172.40	116.24	4173.25	0.00	526550.50	803953.54	
15000.00	91.23	179.50	10845.95	-4272.37	117.11	4273.23	0.00	526450.53	803954.41	
15100.00	91.23	179.50	10843.81	-4372.34	117.97	4373.21	0.00	526350.56	803955.27	

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 (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
15200.00	91.23	179.50	10841.66	-4472.32	118.84	4473.18	0.00	526250.58	803956.14	
15300.00	91.23	179.50	10839.52	-4572.29	119.70	4573.16	0.00	526150.61	803957.00	
15324.26	91.23	179.50	10839.00	-4596.54	119.91	4597.41	0.00	526126.36	803957.21	PBHL 1H

Weatherford

Weatherford Drilling Services

GeoDec4 v2.1.0.0

Report Date:	April 17, 2015
Job Number:	Chiles 28 State 1H
Customer:	Devon Energy
Well Name:	Paint 33 Fed 2H
API Number:	
Rig Name:	
Location:	Lea Co, NM Nad83 NME
Block:	
Engineer:	RWJ

NAD83 / New Mexico East (ftUS)
Projected Coordinate System
Datum: North American Datum 1983 (1986)
Ellipsoid: GRS 1980
EPSG: 2257
North: 530722.90 US Survey Foot
East: 803837.30 US Survey Foot
Convergence: 0.46°
Declination: 7.26°
Total Correction: 6.80°
Datum Transformation: none

NAD83 (1986)
Geodetic Coordinate System
Datum: North American Datum 1983 (1986)
Ellipsoid: GRS 1980
EPSG: 4269
Latitude: 32.456145 Degree
Longitude: -103.4823 Degree

Geodetic Location WGS84

MSL Elevation	=	0 m
Latitude	=	32° 27' 22.12" N
Longitude	=	103° 28' 56.28" W

Magnetic Declination	=	7.26 deg	[True North Offset]		
Local Gravity	=	.9988 g	CheckSum	=	6534
Local Field Strength	=	48346 nT	Magnetic Vector X	=	23753 nT
Magnetic Dip	=	60.31 deg	Magnetic Vector Y	=	3026 nT
Magnetic Model	=	bggm2014.dat	Magnetic Vector Z	=	42000 nT
Run Date	=	May 15, 2015	Magnetic Vector H	=	23945 nT

Signed:_____ Date:_____