H_2S Preparedness and Contingency Plan Summary

SD EA 18/19 Fed Com P13 8H **SD EA 18/19 Fed Com P13 9H**

SD EA 18/19 Fed Com P13 10H **SD EA 18/19 Fed Com P13 11H**

Training

MCBU Drilling and Completions H_2S training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of H_2S.

Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H_2S, who are not required to perform work in H_2S areas, will be provided with an awareness level of H_2S training prior to entering any H_2S areas. At a minimum, awareness level training will include:

1. Physical and chemical properties of H_2S
2. Health hazards of H_2S
3. Personal protective equipment
4. Information regarding potential sources of H_2S
5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

Advanced Level H_2S Training

Employees and contractors required to work in areas that may contain H_2S will be provided with Advanced Level H_2S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H_2S training will include:

1. H_2S safe work practice procedures;
2. Emergency contingency plan procedures;
3. Methods to detect the presence or release of H_2S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H_2S equipment.
4. Basic overview of respiratory protective equipment suitable for use in H_2S environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform "standby" duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H_2S training;
6. Proficiency examination covering all course material.

Advanced H_2S training courses will be instructed by personnel who have successfully completed an appropriate H_2S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.

H_2S Training Certification

All employees and visitors will be issued an H_2S training certification card (or certificate) upon successful completion of the appropriate H_2S training course. Personnel working in an H_2S environment will carry a current H_2S training certification card as proof of having received the proper training on their person at all times.

Briefing Area

A minimum of two briefing areas will be established in locations that at least one area will be up-wind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

H_2S Equipment

Respiratory Protection

a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.

b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

Visual Warning System

a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.

b) Two windsocks will be on location, one on the dog house and one on the Drill Site Manager's Trailer.

H_2S Detection and Monitoring System

a) H_2S monitoring system (sensor head, warning light and siren) placed throughout rig.

- Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
- Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.

Well Control Equipment

a) Flare Line 150' from wellhead with igniter.

b) Choke manifold with a remotely operated choke.

c) Mud / gas separator

Mud Program

In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

1. Use of a degasser
2. Use of a zinc based mud treatment
3. Increasing mud weight

Public Safety - Emergency Assistance

Agency	Telephone Number
Lea County Sheriff's Department	575-396-3611
Fire Department:	
Carlsbad	575-885-3125
Artesia	575-746-5050
Lea County Regional Medical Center	575-492-5000
Jal Community Hospital	505-395-2511
Lea County Emergency Management	575-396-8602
Poison Control Center	800-222-1222

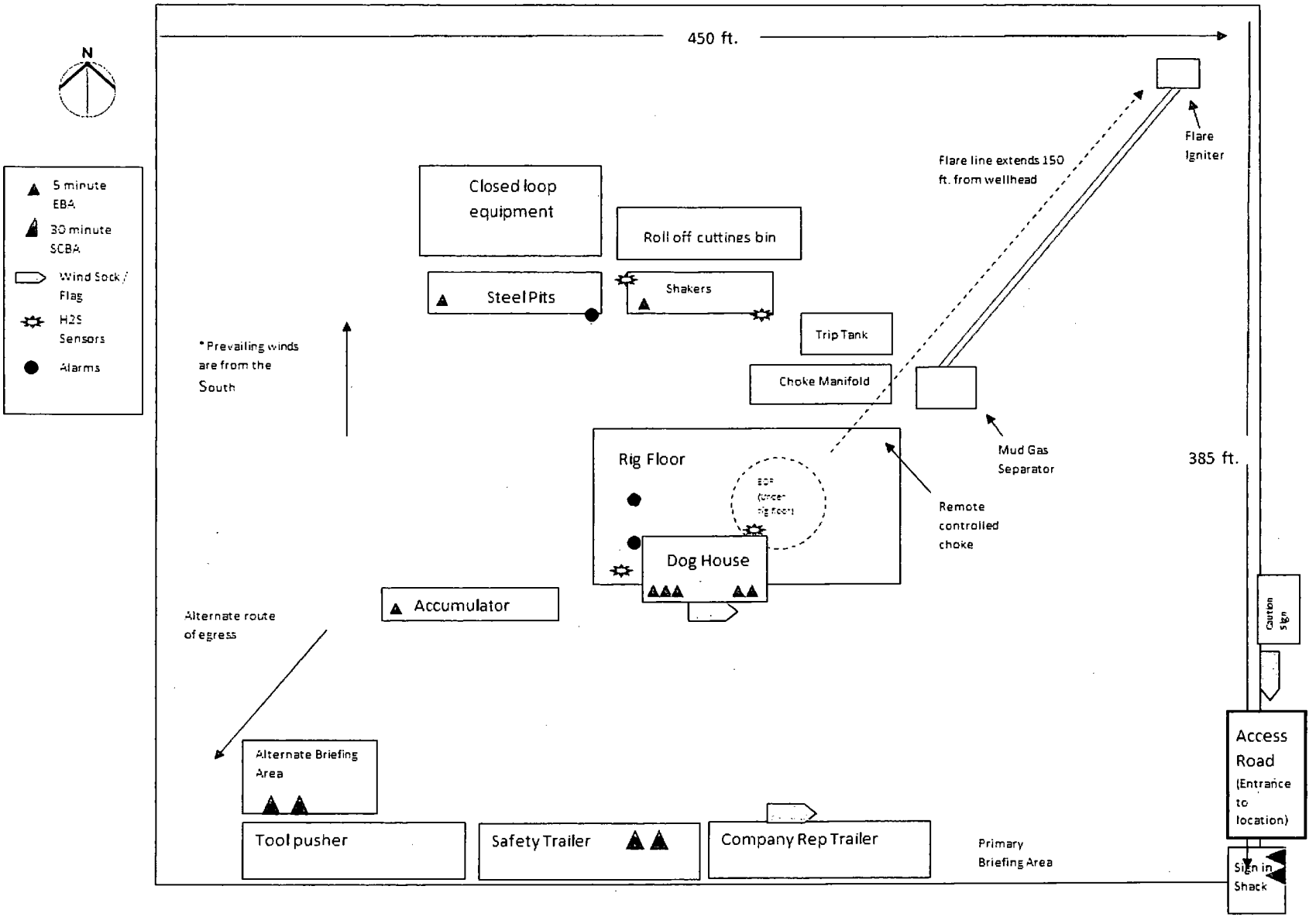
Chevron MCBU D&C Emergency Notifications

Below are lists of contacts to be used in emergency situations.

	Name	Title	Office Number	Cell Phone
1.	**Bryson Abney**	Drilling Engineer	(713) 372-6447	(832) 683-0938
2.	Yung Wilson	Superintendent	(713) 372-6475	(713) 205-7624
5.	Ikenna Chukwumaeze	Drilling Manager	(713) 372-7591	(713) 615-0701
6.	Scott Nash	Operations Manager	(713) 372-5747	(281) 814-9713
7.	Luke Meaux	D&C HES	(432) 687-7133	(432) 208 -3572
8.	Markquale Fields	Completion Engineer	(713) 372-0233	(832) 714-0724

H_2S Preparedness and Contingency Plan Summary

Chevron



Chevron U.S.A. Inc.

Location:	Lea County, NM	Slot:	SD EA 18 19 Fed Com P13- 11H
Field:	Jennings / Upper BN SPRN Shale (Lea County, NM)	Well:	SD EA 18 19 Fed Com P13 11H
Facility:	SD EA 18 19 Fed 13	Wellbore:	SD EA 18 19 Fed Com P13 11H

NOTE: FIELD SHOULD BE UPPER WOLFCAMP

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	32.60	0.000	47.134	32.60	0.00	0.00	0.00	0.00
End of Tangent	1500.00	0.000	47.134	1500.00	0.00	0.00	0.00	0.00
End of Build	2500.00	10.000	47.134	2494.93	59.22	63.80	1.00	-58.83
End of Tangent	4958.94	10.000	47.134	4916.51	349.69	376.76	0.00	-347.39
End of Drop	5958.94	0.000	179.648	5911.44	408.91	440.56	1.00	-406.21
End of Tangent	12145.03	0.000	179.648	12097.54	408.91	440.56	0.00	-406.21
End of Build	12895.03	90.000	179.648	12575.00	-68.55	443.49	12.00	71.25
End of Tangent	22749.03	90.000	179.648	12575.00	-9922.36	504.02	0.00	9925.25

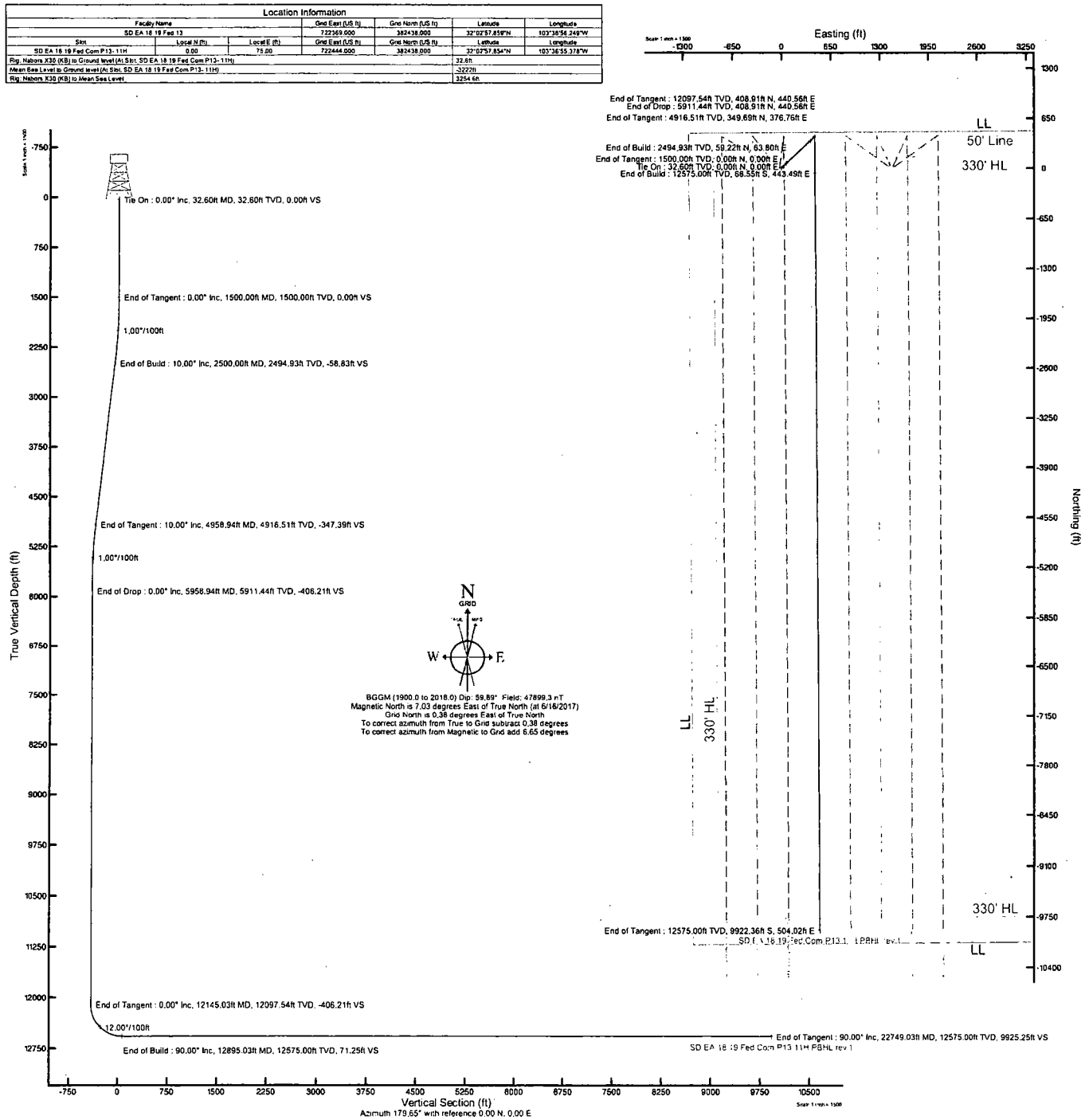
Bottom Hole Location

MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
22749.03	90.000	179.648	12575.00	-9922.36	504.02	722948.00	372516.00	32°01'19.634"N	103°36'50.290"W

Plot reference wellpath is SD EA 18 19 Fed Com P13 11H Rev A.0	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
True vertical depths are referenced to Rig: Nabors X30 (KB)	* = Wellpath was transformed from a different geodetic datum
Measured depths are referenced to Rig: Nabors X30 (KB)	North Reference: Grid north
Rig: Nabors X30 (KB) to Mean Sea Level: 3254.6 feet	Scale: True distance
Mean Sea Level to Ground level (At Slot: SD EA 18 19 Fed Com P13- 11H): -3222 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: tranbm on 2017-06-16
	Database: WA_Midland

Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SD EA 18 19 Fed 13			722369.000	382438.000	32°02'57.859"N	103°36'56.249"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SD EA 18 19 Fed Com P13- 11H	0.00	75.00	722444.000	382438.000	32°02'57.854"N	103°36'55.378"W
Rig: Nabors X30 (KB) to Ground level (At Slot: SD EA 18 19 Fed Com P13- 11H)					32.6ft	
Mean Sea Level to Ground level (At Slot: SD EA 18 19 Fed Com P13- 11H)					-3222ft	
Rig: Nabors X30 (KB) to Mean Sea Level					3254.6ft	



NOTE: FIELD SHOULD BE UPPER WOLFCAMP

Planned Wellpath Report

SD EA 18 19 Fed Com P13 11H Rev A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Slot	**SD EA 18 19 Fed Com P13- 11H**
Area	**Lea County, NM**	Well	**SD EA 18 19 Fed Com P13 11H**
Field	**Jennings / Upper BN SPRN Shale (Lea County, NM)**	Wellbore	**SD EA 18 19 Fed Com P13 11H**
Facility	**SD EA 18 19 Fed 13**		

REPORT SETUP INFORMATION			
Projection System	**NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet**	Software System	**WellArchitect® 5.0**
North Reference	**Grid**	User	**Tranlam**
Scale	**0.999966**	Report Generated	**6/16/2017 at 12:55:20 PM**
Convergence at slot	**0.38° East**	Database/Source file	**WA_Midland/SD_EA_18_19_Fed_Com_P13_11H_Rev_A.0.xml**

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	0.00	75.00	**722444.00**	**382438.00**	32°02'57.854"N	103°36'55.378"W
Facility Reference Pt			**722369.00**	**382438.00**	32°02'57.859"N	103°36'56.249"W
Field Reference Pt			**152400.30**	**0.00**	30°59'42.846"N	105°26'33.659"W

WELLPATH DATUM			
Calculation method	**Minimum curvature**	Rig: Nabors X30 (KB) to Facility Vertical Datum	**3254.60ft**
Horizontal Reference Pt	**Slot**	Rig: Nabors X30 (KB) to Mean Sea Level	**3254.60ft**
Vertical Reference Pt	**Rig: Nabors X30 (KB)**	Rig: Nabors X30 (KB) to Ground Level at Slot (SD EA 18 19 Fed Com P13- 11H)	**32.60ft**
MD Reference Pt	**Rig: Nabors X30 (KB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**179.65°**

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 11H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 11H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 11H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (236 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	47.134	0.00	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
32.60	0.000	47.134	32.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	Tie On
132.60†	0.000	47.134	132.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
232.60†	0.000	47.134	232.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
332.60†	0.000	47.134	332.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
432.60†	0.000	47.134	432.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
532.60†	0.000	47.134	532.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
632.60†	0.000	47.134	632.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
732.60†	0.000	47.134	732.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
832.60†	0.000	47.134	832.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
932.60†	0.000	47.134	932.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
1032.60†	0.000	47.134	1032.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
1132.60†	0.000	47.134	1132.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
1232.60†	0.000	47.134	1232.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
1332.60†	0.000	47.134	1332.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
1432.60†	0.000	47.134	1432.60	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	
1500.00	0.000	47.134	1500.00	0.00	0.00	0.00	722444.00	382438.00	32°02'57.854"N	103°36'55.378"W	0.00	0.00	0.00	End of Tangent
1532.60†	0.326	47.134	1532.60	-0.06	0.06	0.07	722444.07	382438.06	32°02'57.855"N	103°36'55.377"W	1.00	1.00	144.58	
1632.60†	1.326	47.134	1632.59	-1.04	1.04	1.12	722445.12	382439.04	32°02'57.864"N	103°36'55.365"W	1.00	1.00	0.00	
1732.60†	2.326	47.134	1732.54	-3.19	3.21	3.46	722447.46	382441.21	32°02'57.886"N	103°36'55.338"W	1.00	1.00	0.00	
1832.60†	3.326	47.134	1832.41	-6.52	6.57	7.07	722451.07	382444.57	32°02'57.919"N	103°36'55.295"W	1.00	1.00	0.00	
1932.60†	4.326	47.134	1932.19	-11.03	11.10	11.96	722455.96	382449.10	32°02'57.963"N	103°36'55.238"W	1.00	1.00	0.00	
2032.60†	5.326	47.134	2031.83	-16.72	16.83	18.13	722462.13	382454.83	32°02'58.019"N	103°36'55.166"W	1.00	1.00	0.00	
2132.60†	6.326	47.134	2131.32	-23.58	23.73	25.57	722469.57	382461.73	32°02'58.087"N	103°36'55.079"W	1.00	1.00	0.00	
2232.60†	7.326	47.134	2230.61	-31.61	31.82	34.28	722478.28	382469.82	32°02'58.167"N	103°36'54.977"W	1.00	1.00	0.00	
2332.60†	8.326	47.134	2329.67	-40.81	41.08	44.26	722488.26	382479.08	32°02'58.258"N	103°36'54.861"W	1.00	1.00	0.00	
2432.60†	9.326	47.134	2428.49	-51.18	51.52	55.51	722499.51	382489.52	32°02'58.360"N	103°36'54.729"W	1.00	1.00	0.00	
2500.00	10.000	47.134	2494.93	-58.83	59.22	63.80	722507.80	382497.21	32°02'58.436"N	103°36'54.632"W	1.00	1.00	0.00	End of Build
2532.60†	10.000	47.134	2527.04	-62.65	63.07	67.95	722511.95	382501.06	32°02'58.474"N	103°36'54.584"W	0.00	0.00	0.00	
2632.60†	10.000	47.134	2625.52	-74.39	74.88	80.68	722524.67	382512.88	32°02'58.590"N	103°36'54.435"W	0.00	0.00	0.00	

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Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 11H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 11H
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2732.60†	10.000	47.134	2724.00	-86.12	86.69	93.40	722537.40	382524.69	32°02'58.706"N	103°36'54.286"W	0.00	0.00	0.00	
2832.60†	10.000	47.134	2822.48	-97.86	98.51	106.13	722550.13	382536.50	32°02'58.822"N	103°36'54.137"W	0.00	0.00	0.00	
2932.60†	10.000	47.134	2920.96	-109.59	110.32	118.86	722562.85	382548.32	32°02'58.938"N	103°36'53.989"W	0.00	0.00	0.00	
3032.60†	10.000	47.134	3019.44	-121.33	122.13	131.59	722575.58	382560.13	32°02'59.054"N	103°36'53.840"W	0.00	0.00	0.00	
3132.60†	10.000	47.134	3117.92	-133.06	133.95	144.31	722588.31	382571.94	32°02'59.170"N	103°36'53.691"W	0.00	0.00	0.00	
3232.60†	10.000	47.134	3216.40	-144.80	145.76	157.04	722601.03	382583.75	32°02'59.286"N	103°36'53.542"W	0.00	0.00	0.00	
3332.60†	10.000	47.134	3314.88	-156.53	157.57	169.77	722613.76	382595.57	32°02'59.402"N	103°36'53.393"W	0.00	0.00	0.00	
3432.60†	10.000	47.134	3413.36	-168.27	169.39	182.49	722626.49	382607.38	32°02'59.518"N	103°36'53.245"W	0.00	0.00	0.00	
3532.60†	10.000	47.134	3511.84	-180.00	181.20	195.22	722639.21	382619.19	32°02'59.634"N	103°36'53.096"W	0.00	0.00	0.00	
3632.60†	10.000	47.134	3610.32	-191.74	193.01	207.95	722651.94	382631.00	32°02'59.750"N	103°36'52.947"W	0.00	0.00	0.00	
3732.60†	10.000	47.134	3708.80	-203.47	204.83	220.68	722664.67	382642.82	32°02'59.866"N	103°36'52.798"W	0.00	0.00	0.00	
3832.60†	10.000	47.134	3807.29	-215.21	216.64	233.40	722677.40	382654.63	32°02'59.982"N	103°36'52.650"W	0.00	0.00	0.00	
3932.60†	10.000	47.134	3905.77	-226.94	228.45	246.13	722690.12	382666.44	32°03'00.098"N	103°36'52.501"W	0.00	0.00	0.00	
4032.60†	10.000	47.134	4004.25	-238.68	240.26	258.86	722702.85	382678.26	32°03'00.215"N	103°36'52.352"W	0.00	0.00	0.00	
4132.60†	10.000	47.134	4102.73	-250.41	252.08	271.59	722715.58	382690.07	32°03'00.331"N	103°36'52.203"W	0.00	0.00	0.00	
4232.60†	10.000	47.134	4201.21	-262.15	263.89	284.31	722728.30	382701.88	32°03'00.447"N	103°36'52.054"W	0.00	0.00	0.00	
4332.60†	10.000	47.134	4299.69	-273.88	275.70	297.04	722741.03	382713.69	32°03'00.563"N	103°36'51.906"W	0.00	0.00	0.00	
4432.60†	10.000	47.134	4398.17	-285.62	287.52	309.77	722753.76	382725.51	32°03'00.679"N	103°36'51.757"W	0.00	0.00	0.00	
4532.60†	10.000	47.134	4496.65	-297.35	299.33	322.50	722766.48	382737.32	32°03'00.795"N	103°36'51.608"W	0.00	0.00	0.00	
4632.60†	10.000	47.134	4595.13	-309.09	311.14	335.22	722779.21	382749.13	32°03'00.911"N	103°36'51.459"W	0.00	0.00	0.00	
4732.60†	10.000	47.134	4693.61	-320.82	322.96	347.95	722791.94	382760.94	32°03'01.027"N	103°36'51.311"W	0.00	0.00	0.00	
4832.60†	10.000	47.134	4792.09	-332.56	334.77	360.68	722804.66	382772.76	32°03'01.143"N	103°36'51.162"W	0.00	0.00	0.00	
4932.60†	10.000	47.134	4890.57	-344.30	346.58	373.41	722817.39	382784.57	32°03'01.259"N	103°36'51.013"W	0.00	0.00	0.00	
4958.94	10.000	47.134	4916.51	-347.39	349.69	376.76	722820.74	382787.68	32°03'01.290"N	103°36'50.974"W	0.00	0.00	0.00	End of Tangent
5032.60†	9.263	47.134	4989.14	-355.72	358.08	385.79	722829.78	382796.07	32°03'01.372"N	103°36'50.868"W	1.00	-1.00	0.00	
5132.60†	8.263	47.134	5087.97	-366.01	368.44	396.96	722840.94	382806.43	32°03'01.474"N	103°36'50.738"W	1.00	-1.00	0.00	
5232.60†	7.263	47.134	5187.05	-375.14	377.63	406.86	722850.84	382815.62	32°03'01.564"N	103°36'50.622"W	1.00	-1.00	0.00	
5332.60†	6.263	47.134	5286.35	-383.10	385.64	415.49	722859.47	382823.63	32°03'01.643"N	103°36'50.521"W	1.00	-1.00	0.00	
5432.60†	5.263	47.134	5385.84	-389.89	392.48	422.85	722866.83	382830.46	32°03'01.710"N	103°36'50.435"W	1.00	-1.00	0.00	
5532.60†	4.263	47.134	5485.50	-395.50	398.12	428.94	722872.92	382836.11	32°03'01.765"N	103°36'50.364"W	1.00	-1.00	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 11H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 11H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 11H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (236 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5632.60†	3.263	47.134	5585.28	-399.93	402.59	433.75	722877.73	382840.58	32°03'01.809"N	103°36'50.308"W	1.00	-1.00	0.00	
5732.60†	2.263	47.134	5685.16	-403.19	405.87	437.28	722881.26	382843.85	32°03'01.842"N	103°36'50.266"W	1.00	-1.00	0.00	
5832.60†	1.263	47.134	5785.11	-405.27	407.96	439.54	722883.52	382845.95	32°03'01.862"N	103°36'50.240"W	1.00	-1.00	0.00	
5932.60†	0.263	47.134	5885.10	-406.17	408.87	440.51	722884.50	382846.85	32°03'01.871"N	103°36'50.228"W	1.00	-1.00	0.00	
5958.94	0.000	179.648	5911.44	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	1.00	-1.00	-178.95	End of Drop
6032.60†	0.000	179.648	5985.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
6132.60†	0.000	179.648	6085.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
6232.60†	0.000	179.648	6185.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
6332.60†	0.000	179.648	6285.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
6432.60†	0.000	179.648	6385.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
6532.60†	0.000	179.648	6485.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
6632.60†	0.000	179.648	6585.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
6732.60†	0.000	179.648	6685.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
6832.60†	0.000	179.648	6785.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
6932.60†	0.000	179.648	6885.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7032.60†	0.000	179.648	6985.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7132.60†	0.000	179.648	7085.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7232.60†	0.000	179.648	7185.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7332.60†	0.000	179.648	7285.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7432.60†	0.000	179.648	7385.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7532.60†	0.000	179.648	7485.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7632.60†	0.000	179.648	7585.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7732.60†	0.000	179.648	7685.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7832.60†	0.000	179.648	7785.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
7932.60†	0.000	179.648	7885.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
8032.60†	0.000	179.648	7985.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
8132.60†	0.000	179.648	8085.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
8232.60†	0.000	179.648	8185.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
8332.60†	0.000	179.648	8285.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
8432.60†	0.000	179.648	8385.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 11H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 11H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 11H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (236 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8532.60†	0.000	179.648	8485.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
8632.60†	0.000	179.648	8585.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
8732.60†	0.000	179.648	8685.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
8832.60†	0.000	179.648	8785.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
8932.60†	0.000	179.648	8885.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9032.60†	0.000	179.648	8985.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9132.60†	0.000	179.648	9085.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9232.60†	0.000	179.648	9185.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9332.60†	0.000	179.648	9285.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9432.60†	0.000	179.648	9385.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9532.60†	0.000	179.648	9485.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9632.60†	0.000	179.648	9585.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9732.60†	0.000	179.648	9685.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9832.60†	0.000	179.648	9785.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
9932.60†	0.000	179.648	9885.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10032.60†	0.000	179.648	9985.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10132.60†	0.000	179.648	10085.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10232.60†	0.000	179.648	10185.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10332.60†	0.000	179.648	10285.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10432.60†	0.000	179.648	10385.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10532.60†	0.000	179.648	10485.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10632.60†	0.000	179.648	10585.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10732.60†	0.000	179.648	10685.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10832.60†	0.000	179.648	10785.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
10932.60†	0.000	179.648	10885.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
11032.60†	0.000	179.648	10985.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
11132.60†	0.000	179.648	11085.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
11232.60†	0.000	179.648	11185.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
11332.60†	0.000	179.648	11285.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
11432.60†	0.000	179.648	11385.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 11H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 11H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 11H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (236 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11532.60†	0.000	179.648	11485.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
11632.60†	0.000	179.648	11585.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
11732.60†	0.000	179.648	11685.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
11832.60†	0.000	179.648	11785.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
11932.60†	0.000	179.648	11885.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
12032.60†	0.000	179.648	11985.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
12132.60†	0.000	179.648	12085.10	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	
12145.03	0.000	179.648	12097.54	-406.21	408.91	440.56	722884.54	382846.90	32°03'01.871"N	103°36'50.228"W	0.00	0.00	0.00	End of Tangent
12232.60†	10.508	179.648	12184.61	-398.20	400.90	440.61	722884.59	382838.89	32°03'01.792"N	103°36'50.228"W	12.00	12.00	205.15	
12332.60†	22.508	179.648	12280.32	-369.84	372.54	440.78	722884.76	382810.53	32°03'01.511"N	103°36'50.228"W	12.00	12.00	0.00	
12432.60†	34.508	179.648	12368.03	-322.20	324.90	441.07	722885.06	382762.89	32°03'01.040"N	103°36'50.228"W	12.00	12.00	0.00	
12532.60†	46.508	179.648	12443.92	-257.36	260.06	441.47	722885.46	382698.05	32°03'00.398"N	103°36'50.229"W	12.00	12.00	0.00	
12632.60†	58.508	179.648	12504.68	-178.16	180.87	441.96	722885.94	382618.86	32°02'59.615"N	103°36'50.229"W	12.00	12.00	0.00	
12732.60†	70.508	179.648	12547.64	-88.06	90.77	442.51	722886.49	382528.76	32°02'58.723"N	103°36'50.230"W	12.00	12.00	0.00	
12832.60†	82.508	179.648	12570.92	9.00	-6.29	443.11	722887.09	382431.71	32°02'57.763"N	103°36'50.230"W	12.00	12.00	0.00	
12895.03	90.000	179.648	12575.00	71.25	-68.55	443.49	722887.47	382369.46	32°02'57.147"N	103°36'50.231"W	12.00	12.00	0.00	End of Build
12932.60†	90.000	179.648	12575.00	108.82	-106.11	443.72	722887.70	382331.89	32°02'56.775"N	103°36'50.231"W	0.00	0.00	0.00	
13032.60†	90.000	179.648	12575.00	208.82	-206.11	444.33	722888.32	382231.90	32°02'55.785"N	103°36'50.232"W	0.00	0.00	0.00	
13132.60†	90.000	179.648	12575.00	308.82	-306.11	444.95	722888.93	382131.90	32°02'54.796"N	103°36'50.232"W	0.00	0.00	0.00	
13232.60†	90.000	179.648	12575.00	408.82	-406.11	445.56	722889.55	382031.91	32°02'53.806"N	103°36'50.233"W	0.00	0.00	0.00	
13332.60†	90.000	179.648	12575.00	508.82	-506.11	446.18	722890.16	381931.91	32°02'52.816"N	103°36'50.233"W	0.00	0.00	0.00	
13432.60†	90.000	179.648	12575.00	608.82	-606.10	446.79	722890.78	381831.92	32°02'51.827"N	103°36'50.234"W	0.00	0.00	0.00	
13532.60†	90.000	179.648	12575.00	708.82	-706.10	447.41	722891.39	381731.92	32°02'50.837"N	103°36'50.235"W	0.00	0.00	0.00	
13632.60†	90.000	179.648	12575.00	808.82	-806.10	448.02	722892.00	381631.93	32°02'49.848"N	103°36'50.235"W	0.00	0.00	0.00	
13732.60†	90.000	179.648	12575.00	908.82	-906.10	448.63	722892.62	381531.93	32°02'48.858"N	103°36'50.236"W	0.00	0.00	0.00	
13832.60†	90.000	179.648	12575.00	1008.82	-1006.10	449.25	722893.23	381431.94	32°02'47.869"N	103°36'50.237"W	0.00	0.00	0.00	
13932.60†	90.000	179.648	12575.00	1108.82	-1106.10	449.86	722893.85	381331.94	32°02'46.879"N	103°36'50.237"W	0.00	0.00	0.00	
14032.60†	90.000	179.648	12575.00	1208.82	-1206.09	450.48	722894.46	381231.95	32°02'45.889"N	103°36'50.238"W	0.00	0.00	0.00	
14132.60†	90.000	179.648	12575.00	1308.82	-1306.09	451.09	722895.08	381131.96	32°02'44.900"N	103°36'50.238"W	0.00	0.00	0.00	
14232.60†	90.000	179.648	12575.00	1408.82	-1406.09	451.71	722895.69	381031.96	32°02'43.910"N	103°36'50.239"W	0.00	0.00	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 11H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 11H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 11H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (236 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14332.60†	90.000	179.648	12575.00	1508.82	-1506.09	452.32	722896.30	380931.97	32°02'42.921"N	103°36'50.240"W	0.00	0.00	0.00	
14432.60†	90.000	179.648	12575.00	1608.82	-1606.09	452.93	722896.92	380831.97	32°02'41.931"N	103°36'50.240"W	0.00	0.00	0.00	
14532.60†	90.000	179.648	12575.00	1708.82	-1706.08	453.55	722897.53	380731.98	32°02'40.942"N	103°36'50.241"W	0.00	0.00	0.00	
14632.60†	90.000	179.648	12575.00	1808.82	-1806.08	454.16	722898.15	380631.98	32°02'39.952"N	103°36'50.241"W	0.00	0.00	0.00	
14732.60†	90.000	179.648	12575.00	1908.82	-1906.08	454.78	722898.76	380531.99	32°02'38.962"N	103°36'50.242"W	0.00	0.00	0.00	
14832.60†	90.000	179.648	12575.00	2008.82	-2006.08	455.39	722899.37	380431.99	32°02'37.973"N	103°36'50.243"W	0.00	0.00	0.00	
14932.60†	90.000	179.648	12575.00	2108.82	-2106.08	456.01	722899.99	380332.00	32°02'36.983"N	103°36'50.243"W	0.00	0.00	0.00	
15032.60†	90.000	179.648	12575.00	2208.82	-2206.07	456.62	722900.60	380232.01	32°02'35.994"N	103°36'50.244"W	0.00	0.00	0.00	
15132.60†	90.000	179.648	12575.00	2308.82	-2306.07	457.23	722901.22	380132.01	32°02'35.004"N	103°36'50.244"W	0.00	0.00	0.00	
15232.60†	90.000	179.648	12575.00	2408.82	-2406.07	457.85	722901.83	380032.02	32°02'34.015"N	103°36'50.245"W	0.00	0.00	0.00	
15332.60†	90.000	179.648	12575.00	2508.82	-2506.07	458.46	722902.45	379932.02	32°02'33.025"N	103°36'50.246"W	0.00	0.00	0.00	
15432.60†	90.000	179.648	12575.00	2608.82	-2606.07	459.08	722903.06	379832.03	32°02'32.035"N	103°36'50.246"W	0.00	0.00	0.00	
15532.60†	90.000	179.648	12575.00	2708.82	-2706.07	459.69	722903.67	379732.03	32°02'31.046"N	103°36'50.247"W	0.00	0.00	0.00	
15632.60†	90.000	179.648	12575.00	2808.82	-2806.06	460.31	722904.29	379632.04	32°02'30.056"N	103°36'50.247"W	0.00	0.00	0.00	
15732.60†	90.000	179.648	12575.00	2908.82	-2906.06	460.92	722904.90	379532.04	32°02'29.067"N	103°36'50.248"W	0.00	0.00	0.00	
15832.60†	90.000	179.648	12575.00	3008.82	-3006.06	461.53	722905.52	379432.05	32°02'28.077"N	103°36'50.249"W	0.00	0.00	0.00	
15932.60†	90.000	179.648	12575.00	3108.82	-3106.06	462.15	722906.13	379332.05	32°02'27.088"N	103°36'50.249"W	0.00	0.00	0.00	
16032.60†	90.000	179.648	12575.00	3208.82	-3206.06	462.76	722906.75	379232.06	32°02'26.098"N	103°36'50.250"W	0.00	0.00	0.00	
16132.60†	90.000	179.648	12575.00	3308.82	-3306.05	463.38	722907.36	379132.07	32°02'25.108"N	103°36'50.250"W	0.00	0.00	0.00	
16232.60†	90.000	179.648	12575.00	3408.82	-3406.05	463.99	722907.97	379032.07	32°02'24.119"N	103°36'50.251"W	0.00	0.00	0.00	
16332.60†	90.000	179.648	12575.00	3508.82	-3506.05	464.61	722908.59	378932.08	32°02'23.129"N	103°36'50.252"W	0.00	0.00	0.00	
16432.60†	90.000	179.648	12575.00	3608.82	-3606.05	465.22	722909.20	378832.08	32°02'22.140"N	103°36'50.252"W	0.00	0.00	0.00	
16532.60†	90.000	179.648	12575.00	3708.82	-3706.05	465.83	722909.82	378732.09	32°02'21.150"N	103°36'50.253"W	0.00	0.00	0.00	
16632.60†	90.000	179.648	12575.00	3808.82	-3806.04	466.45	722910.43	378632.09	32°02'20.160"N	103°36'50.253"W	0.00	0.00	0.00	
16732.60†	90.000	179.648	12575.00	3908.82	-3906.04	467.06	722911.05	378532.10	32°02'19.171"N	103°36'50.254"W	0.00	0.00	0.00	
16832.60†	90.000	179.648	12575.00	4008.82	-4006.04	467.68	722911.66	378432.10	32°02'18.181"N	103°36'50.255"W	0.00	0.00	0.00	
16932.60†	90.000	179.648	12575.00	4108.82	-4106.04	468.29	722912.27	378332.11	32°02'17.192"N	103°36'50.255"W	0.00	0.00	0.00	
17032.60†	90.000	179.648	12575.00	4208.82	-4206.04	468.90	722912.89	378232.12	32°02'16.202"N	103°36'50.256"W	0.00	0.00	0.00	
17132.60†	90.000	179.648	12575.00	4308.82	-4306.03	469.52	722913.50	378132.12	32°02'15.213"N	103°36'50.256"W	0.00	0.00	0.00	
17232.60†	90.000	179.648	12575.00	4408.82	-4406.03	470.13	722914.12	378032.13	32°02'14.223"N	103°36'50.257"W	0.00	0.00	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 11H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 11H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 11H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (236 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17332.60†	90.000	179.648	12575.00	4508.82	-4506.03	470.75	722914.73	377932.13	32°02'13.233"N	103°36'50.258"W	0.00	0.00	0.00	
17432.60†	90.000	179.648	12575.00	4608.82	-4606.03	471.36	722915.34	377832.14	32°02'12.244"N	103°36'50.258"W	0.00	0.00	0.00	
17532.60†	90.000	179.648	12575.00	4708.82	-4706.03	471.98	722915.96	377732.14	32°02'11.254"N	103°36'50.259"W	0.00	0.00	0.00	
17632.60†	90.000	179.648	12575.00	4808.82	-4806.03	472.59	722916.57	377632.15	32°02'10.265"N	103°36'50.259"W	0.00	0.00	0.00	
17732.60†	90.000	179.648	12575.00	4908.82	-4906.02	473.20	722917.19	377532.15	32°02'09.275"N	103°36'50.260"W	0.00	0.00	0.00	
17832.60†	90.000	179.648	12575.00	5008.82	-5006.02	473.82	722917.80	377432.16	32°02'08.286"N	103°36'50.261"W	0.00	0.00	0.00	
17932.60†	90.000	179.648	12575.00	5108.82	-5106.02	474.43	722918.42	377332.17	32°02'07.296"N	103°36'50.261"W	0.00	0.00	0.00	
18032.60†	90.000	179.648	12575.00	5208.82	-5206.02	475.05	722919.03	377232.17	32°02'06.306"N	103°36'50.262"W	0.00	0.00	0.00	
18132.60†	90.000	179.648	12575.00	5308.82	-5306.02	475.66	722919.64	377132.18	32°02'05.317"N	103°36'50.262"W	0.00	0.00	0.00	
18232.60†	90.000	179.648	12575.00	5408.82	-5406.01	476.28	722920.26	377032.18	32°02'04.327"N	103°36'50.263"W	0.00	0.00	0.00	
18332.60†	90.000	179.648	12575.00	5508.82	-5506.01	476.89	722920.87	376932.19	32°02'03.338"N	103°36'50.264"W	0.00	0.00	0.00	
18432.60†	90.000	179.648	12575.00	5608.82	-5606.01	477.50	722921.49	376832.19	32°02'02.348"N	103°36'50.264"W	0.00	0.00	0.00	
18532.60†	90.000	179.648	12575.00	5708.82	-5706.01	478.12	722922.10	376732.20	32°02'01.359"N	103°36'50.265"W	0.00	0.00	0.00	
18632.60†	90.000	179.648	12575.00	5808.82	-5806.01	478.73	722922.72	376632.20	32°02'00.369"N	103°36'50.265"W	0.00	0.00	0.00	
18732.60†	90.000	179.648	12575.00	5908.82	-5906.00	479.35	722923.33	376532.21	32°01'59.379"N	103°36'50.266"W	0.00	0.00	0.00	
18832.60†	90.000	179.648	12575.00	6008.82	-6006.00	479.96	722923.94	376432.21	32°01'58.390"N	103°36'50.267"W	0.00	0.00	0.00	
18932.60†	90.000	179.648	12575.00	6108.82	-6106.00	480.58	722924.56	376332.22	32°01'57.400"N	103°36'50.267"W	0.00	0.00	0.00	
19032.60†	90.000	179.648	12575.00	6208.82	-6206.00	481.19	722925.17	376232.23	32°01'56.411"N	103°36'50.268"W	0.00	0.00	0.00	
19132.60†	90.000	179.648	12575.00	6308.82	-6306.00	481.80	722925.79	376132.23	32°01'55.421"N	103°36'50.268"W	0.00	0.00	0.00	
19232.60†	90.000	179.648	12575.00	6408.82	-6406.00	482.42	722926.40	376032.24	32°01'54.432"N	103°36'50.269"W	0.00	0.00	0.00	
19332.60†	90.000	179.648	12575.00	6508.82	-6505.99	483.03	722927.02	375932.24	32°01'53.442"N	103°36'50.270"W	0.00	0.00	0.00	
19432.60†	90.000	179.648	12575.00	6608.82	-6605.99	483.65	722927.63	375832.25	32°01'52.452"N	103°36'50.270"W	0.00	0.00	0.00	
19532.60†	90.000	179.648	12575.00	6708.82	-6705.99	484.26	722928.24	375732.25	32°01'51.463"N	103°36'50.271"W	0.00	0.00	0.00	
19632.60†	90.000	179.648	12575.00	6808.82	-6805.99	484.88	722928.86	375632.26	32°01'50.473"N	103°36'50.271"W	0.00	0.00	0.00	
19732.60†	90.000	179.648	12575.00	6908.82	-6905.99	485.49	722929.47	375532.26	32°01'49.484"N	103°36'50.272"W	0.00	0.00	0.00	
19832.60†	90.000	179.648	12575.00	7008.82	-7005.98	486.10	722930.09	375432.27	32°01'48.494"N	103°36'50.273"W	0.00	0.00	0.00	
19932.60†	90.000	179.648	12575.00	7108.82	-7105.98	486.72	722930.70	375332.28	32°01'47.504"N	103°36'50.273"W	0.00	0.00	0.00	
20032.60†	90.000	179.648	12575.00	7208.82	-7205.98	487.33	722931.31	375232.28	32°01'46.515"N	103°36'50.274"W	0.00	0.00	0.00	
20132.60†	90.000	179.648	12575.00	7308.82	-7305.98	487.95	722931.93	375132.29	32°01'45.525"N	103°36'50.274"W	0.00	0.00	0.00	
20232.60†	90.000	179.648	12575.00	7408.82	-7405.98	488.56	722932.54	375032.29	32°01'44.536"N	103°36'50.275"W	0.00	0.00	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 11H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 11H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 11H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (236 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
20332.60†	90.000	179.648	12575.00	7508.82	-7505.97	489.18	722933.16	374932.30	32°01'43.546"N	103°36'50.276"W	0.00	0.00	0.00	
20432.60†	90.000	179.648	12575.00	7608.82	-7605.97	489.79	722933.77	374832.30	32°01'42.557"N	103°36'50.276"W	0.00	0.00	0.00	
20532.60†	90.000	179.648	12575.00	7708.82	-7705.97	490.40	722934.39	374732.31	32°01'41.567"N	103°36'50.277"W	0.00	0.00	0.00	
20632.60†	90.000	179.648	12575.00	7808.82	-7805.97	491.02	722935.00	374632.31	32°01'40.577"N	103°36'50.277"W	0.00	0.00	0.00	
20732.60†	90.000	179.648	12575.00	7908.82	-7905.97	491.63	722935.61	374532.32	32°01'39.588"N	103°36'50.278"W	0.00	0.00	0.00	
20832.60†	90.000	179.648	12575.00	8008.82	-8005.97	492.25	722936.23	374432.32	32°01'38.598"N	103°36'50.279"W	0.00	0.00	0.00	
20932.60†	90.000	179.648	12575.00	8108.82	-8105.96	492.86	722936.84	374332.33	32°01'37.609"N	103°36'50.279"W	0.00	0.00	0.00	
21032.60†	90.000	179.648	12575.00	8208.82	-8205.96	493.47	722937.46	374232.34	32°01'36.619"N	103°36'50.280"W	0.00	0.00	0.00	
21132.60†	90.000	179.648	12575.00	8308.82	-8305.96	494.09	722938.07	374132.34	32°01'35.630"N	103°36'50.280"W	0.00	0.00	0.00	
21232.60†	90.000	179.648	12575.00	8408.82	-8405.96	494.70	722938.69	374032.35	32°01'34.640"N	103°36'50.281"W	0.00	0.00	0.00	
21332.60†	90.000	179.648	12575.00	8508.82	-8505.96	495.32	722939.30	373932.35	32°01'33.650"N	103°36'50.282"W	0.00	0.00	0.00	
21432.60†	90.000	179.648	12575.00	8608.82	-8605.95	495.93	722939.91	373832.36	32°01'32.661"N	103°36'50.282"W	0.00	0.00	0.00	
21532.60†	90.000	179.648	12575.00	8708.82	-8705.95	496.55	722940.53	373732.36	32°01'31.671"N	103°36'50.283"W	0.00	0.00	0.00	
21632.60†	90.000	179.648	12575.00	8808.82	-8805.95	497.16	722941.14	373632.37	32°01'30.682"N	103°36'50.283"W	0.00	0.00	0.00	
21732.60†	90.000	179.648	12575.00	8908.82	-8905.95	497.77	722941.76	373532.37	32°01'29.692"N	103°36'50.284"W	0.00	0.00	0.00	
21832.60†	90.000	179.648	12575.00	9008.82	-9005.95	498.39	722942.37	373432.38	32°01'28.703"N	103°36'50.285"W	0.00	0.00	0.00	
21932.60†	90.000	179.648	12575.00	9108.82	-9105.94	499.00	722942.99	373332.39	32°01'27.713"N	103°36'50.285"W	0.00	0.00	0.00	
22032.60†	90.000	179.648	12575.00	9208.82	-9205.94	499.62	722943.60	373232.39	32°01'26.723"N	103°36'50.286"W	0.00	0.00	0.00	
22132.60†	90.000	179.648	12575.00	9308.82	-9305.94	500.23	722944.21	373132.40	32°01'25.734"N	103°36'50.286"W	0.00	0.00	0.00	
22232.60†	90.000	179.648	12575.00	9408.82	-9405.94	500.85	722944.83	373032.40	32°01'24.744"N	103°36'50.287"W	0.00	0.00	0.00	
22332.60†	90.000	179.648	12575.00	9508.82	-9505.94	501.46	722945.44	372932.41	32°01'23.755"N	103°36'50.288"W	0.00	0.00	0.00	
22432.60†	90.000	179.648	12575.00	9608.82	-9605.93	502.07	722946.06	372832.41	32°01'22.765"N	103°36'50.288"W	0.00	0.00	0.00	
22532.60†	90.000	179.648	12575.00	9708.82	-9705.93	502.69	722946.67	372732.42	32°01'21.775"N	103°36'50.289"W	0.00	0.00	0.00	
22632.60†	90.000	179.648	12575.00	9808.82	-9805.93	503.30	722947.28	372632.42	32°01'20.786"N	103°36'50.289"W	0.00	0.00	0.00	
22732.60†	90.000	179.648	12575.00	9908.82	-9905.93	503.92	722947.90	372532.43	32°01'19.796"N	103°36'50.290"W	0.00	0.00	0.00	
22749.03	90.000	179.648	12575.00†	9925.25	-9922.36	504.02	722948.00	372516.00	32°01'19.634"N	103°36'50.290"W	0.00	0.00	0.00	End of Tangent

APD ID: 10400014980 **Submission Date:** 06/22/2017

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P13 **Well Number:** 11H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

SD_EA_18_19_Fed_Com_P13_11H_Road_Plat_06-08-2017.pdf
SD_EA_18_19_Fed_Com_P13_11H_Well_Plat_06-08-2017.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT **Row(s) Exist?** NO

ROW ID(s)

ID:

Do the existing roads need to be improved? YES

Existing Road Improvement Description: REPAIR POT HOLES, CLEAR DITCHES, REPAIR CROWN, ETC.

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

SD_EA_18_19_Fed_Com_P13_11H_Road_Plat_06-08-2017.pdf
SD_EA_18_19_Fed_Com_P13_11H_Well_Plat_06-08-2017.pdf

New road type: LOCAL

Length: 6406.68 Feet **Width (ft.):** 25

Max slope (%): 2 **Max grade (%):** 3

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 25

New road access erosion control: WILL HAVE A DUST ABATEMENT POLYMER COATING TO DECREASE DUST AS WELL AS HELP MAINTAIN THE ROAD.

New road access plan or profile prepared? NO

New road access plan attachment:

- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

Access road engineering design? NO

Access road engineering design attachment:

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: CALICHE

Access onsite topsoil source depth: 0

Offsite topsoil source description:

Onsite topsoil removal process: NONE NEEDED

Access other construction information:

Access miscellaneous information:

Number of access turnouts: 60 **Access turnout map:**

Drainage Control

New road drainage crossing: CROSSING,LOW WATER

Drainage Control comments: DITCHING WILL BE CONSTRUCTED ON BOTH SIDES OF ROAD.

Road Drainage Control Structures (DCS) description: DITCHING WILL BE CONSTRUCTED ON BOTH SIDES OF ROAD
Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Location_of_Existing_Wells_P13_11H_06-08-2017.pdf

Existing Wells description:

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Estimated Production Facilities description:

Production Facilities description: SEE SURFACE USE PLAN

Production Facilities map:

SD_EA_18_19_Fed_Com_P13_11H_Work_Aerial_Detail_06-08-2017.pdf
SD_EA_18_19_Fed_Com_P13_PrelimEDS_Line_20170906141301.pdf
SD_EA_18_19_Fed_Com_P13_PrelimFlowlines_20170906141320.pdf
SD_EA_18_19_Fed_Com_P13_PrelimGas_Lift_Lines_20170906141333.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source use type: INTERMEDIATE/PRODUCTION CASING, STIMULATION, SURFACE CASING
Water source type: OTHER
Describe type: INTERMEDIATE/PRODUCTION CASING, SURFACE CASING, STIMULATION
Source latitude:
Source longitude:
Source datum:
Water source permit type: PRIVATE CONTRACT
Source land ownership: FEDERAL
Water source transport method: PIPELINE
Source transportation land ownership: FEDERAL
Water source volume (barrels): 659461.25
Source volume (acre-feet): 85
Source volume (gal): 27697372

Water source and transportation map:

SD_EA_18_19_Fed_Com_P13_11H_Work_Aerial_Detail_06-08-2017.pdf

Water source comments: EXISTING PONDS IN SEC 19,T26S-R33E - FW & SEC 23 T26S-R32 & SEC 13 T26S-R32 - RECYCLED WTR. SEE SURFACE USE PLAN
New water well? NO

New Water Well Info

Well latitude:
Well Longitude:
Well datum:
Well target aquifer:
Est. depth to top of aquifer(ft):
Est thickness of aquifer:
Aquifer comments:
Aquifer documentation:
Well depth (ft):
Well casing type:
Well casing outside diameter (in.):
Well casing inside diameter (in.):
New water well casing?
Used casing source:
Drilling method:
Drill material:
Grout material:
Grout depth:
Casing length (ft.):
Casing top depth (ft.):

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P13 **Well Number:** 11H

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Construction Materials description: CALICHE WILL BE USED TO CONSTRUCT WELL PAD & ROADS & PURCHASED FROM THE PRIVATE LAND OWNER, OLIVER KIEHNE. CALICHE PIT LOCATED IN SEC 27, T26, R33E, LEA CNTY, & ALTERNATIVE @ N2 SEC 21, T26S, R33E, LEA CNTY, NM. NOTIFICATION SHALL BE GIVEN TO BLM AT LEAST 3 WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OF ACCESS ROAD AND/OR WELL PAD.
Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: GARBAGE

Waste content description: GARBAGE & TRASH

Amount of waste: 200 pounds

Waste disposal frequency : Daily

Safe containment description: WILL BE COLLECTED IN TRASH CONTAINER & DISPOSED OF AT STATE APPROVED FACILITY
Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL **Disposal location ownership:** STATE FACILITY
Disposal type description:

Disposal location description: STATE APPROVED FACILITY

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? NO

Description of cuttings location

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

SD_EA_18_19_Fed_Com_P13_11H_Well_Plat_06-08-2017.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

SD_EA_18_19_Fed_Com_P13_11H_Reclaimation_Plat_06-08-2017.pdf
P13_11H_APD_SUPO_06-08-2017.pdf

Drainage/Erosion control construction: SEE SURFACE USE PLAN

Drainage/Erosion control reclamation: SEE SURFACE USE PLAN

Wellpad long term disturbance (acres): 2 **Wellpad short term disturbance (acres):** 4

Access road long term disturbance (acres): 3.68 **Access road short term disturbance (acres):** 0

Pipeline long term disturbance (acres): 4.329201 **Pipeline short term disturbance (acres):** 0

Other long term disturbance (acres): 0 **Other short term disturbance (acres):** 0

Total long term disturbance: 10.009201 **Total short term disturbance:** 4

Reconstruction method: SEE SURFACE USE P LAN

Topsoil redistribution: SEE SURFACE USE PLAN

Soil treatment: SEE SURFACE USE PLAN

Existing Vegetation at the well pad: MESQUITE, SHRUBS, GRASS

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: MESQUITE, SHRUBS, GRASS

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: MESQUITE, SHRUBS, GRASS

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: MESQUITE, SHRUBS, GRASS

Existing Vegetation Community at other disturbances attachment:

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? NO

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? NO

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed type: **Seed source:**

Seed name:

Source name: **Source address:**

Source phone:

Seed cultivar:

Seed use location:

PLS pounds per acre: **Proposed seeding season:**

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: **Last Name:**

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P13 **Well Number:** 11H

Phone: **Email:**

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: NONE NEEDED

Weed treatment plan attachment:

Monitoring plan description: NONE NEEDED

Monitoring plan attachment:

Success standards: N/A

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P13 **Well Number:** 11H

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P13 **Well Number:** 11H

Disturbance type: PIPELINE

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Section 12 - Other Information

Right of Way needed? YES **Use APD as ROW?** YES

ROW Type(s): 288100 ROW – O&G Pipeline

ROW Applications

SUPO Additional Information: 8 -4" BURIED PIPELINES, APPROX 6285.92' WILL BE LAID FROM WELL RUNNING TO LEASE ROAD THEN ADJACENT TO LEASE ROAD TO PRODUCTION FAC IN SEC 19. 2 -4" BURIED GAS LIFT PIPELINES, APPROX 6269.92' WILL BE LAID FROM WELL RUNNING TO LEASE ROAD THEN ADJACENT TO LEASE ROAD TO COMP FAC IN SEC 19. SEE ATTACHED WELL PLAT.
Use a previously conducted onsite? YES

Previous Onsite information: ON SITE PERFORMED BY BLM NRS: PAUL MURPHY 4/13/2017

Other SUPO Attachment

SD_EA_18_19_Fed_Com_P13_11H_Well_Plat_08-09-2017.pdf

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit Original to Appropriate District Office

GAS CAPTURE PLAN

☐ Original
New Drills

Operator & OGRID No.: Chevron U.S.A. Inc 4323

☐ Amended

Date: 08/23/2017

Reason for Amendment:

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: A C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule 19.15.18.12.A

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
SD EA 18 19 FED COM P13 8H	NEW	D,Sec18,T26S, R33E	455 FNL 1151 FWL	2486	0	
SD EA 18 19 FED COM P13 9H	NEW	D,Sec 18,T26S, R33E	455 FNL 1176 FWL	2732	0	
SD EA 18 19 FED COM P13 10H	NEW	D,Sec 18,T26S R33E	455 FNL 1201 FWL	2486	0	
SD EA 18 19 FED COM P13 1[illegible]H	NEW 30-025-44131	D,Sec 18,T26S R33E	455 FNL 1226 FWL	2732	0	

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Delaware Basin Midstream, LLC (DBM) and will be connected to DBM's low/high pressure gathering system located in Lea County, New Mexico. It will require 500' of pipeline to connect the facility to low/high pressure gathering system. Chevron U.S.A. provides (periodically) to DBM a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Chevron U.S.A. and DBM have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at DBM's Ramsey Processing Plant located in Sec. 36, Block 57-T1, Reeves County, Texas. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to permanent production facilities. Temporary sand separation equipment will be installed at the well and will be blown down to an atmospheric tank as needed during the initial flow period. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on the DBM system at that time. Based on current information, it is CHEVRON'S belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 11H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 11H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 11H
Facility	SD EA 18 19 Fed 13		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) SD EA 18 19 Fed Com P13 11H PBHL rev 1	22749.03	12575.00	-9922.36	504.02	722948.00	372516.00	32°01'19.634"N	103°36'50.290"W	point

SURVEY PROGRAM - Ref Wellbore: SD EA 18 19 Fed Com P13 11H Ref Wellpath: SD EA 18 19 Fed Com P13 11H Rev A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	23020.21	BHI NaviTrak (Standard)		SD EA 18 19 Fed Com P13 11H