

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTEMNRD-OCD ARTESIA  
REC'D: 7/24/2020FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
NMNM103603

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
HOT POTATO 26-23 FED 332H

9. API Well No.

10. Field and Pool or Exploratory Area  
LAGUNA SALADO11. County or Parish, State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY

Contact: ERIN WORKMAN

Email: Erin.workman@dvn.com

3a. Address

6488 SEVEN RIVERS HIGHWAY  
ARTESIA, NM 88210

3b. Phone No. (include area code)

Ph: 405-552-7970

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

Sec 26 T23S R29E SWSW 325FSL 1022FWL  
32.269485 N Lat, 103.960709 W Lon

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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

Devon Energy Production Co., LP respectfully requests submittal of the proper paperwork for the file. This information was switched during approval process.

Attached: H2S plans, Directional Survey, plot plan

ACCEPTED FOR record - JAG - NMOCD 8/21/2020

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #519092 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION COMPANY, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 06/16/2020 (20PP3174SE)	
Name (Printed/Typed) ERIN WORKMAN	Title REGULATORY COMPLIANCE PROF.
Signature (Electronic Submission)	Date 06/16/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	LONG VO Title PETROLEUM ENGINEER	Date 06/19/2020
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

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

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## Revisions to Operator-Submitted EC Data for Sundry Notice #519092

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM103603	NMNM103603
Agreement:		
Operator:	DEVON ENERGY PRODUCTION COMPAN 333 WEST SHERIDAN AVE OKC, OK 73102 Ph: 405-552-7970	DEVON ENERGY PRODUCTION COMPAN 6488 SEVEN RIVERS HIGHWAY ARTESIA, NM 88210 Ph: 575.748.3371
Admin Contact:	ERIN WORKMAN REGULATORY COMPLIANCE PROF. E-Mail: Erin.workman@dvn.com  Ph: 405-552-7970	ERIN WORKMAN REGULATORY COMPLIANCE PROF. E-Mail: Erin.workman@dvn.com  Ph: 405-552-7970
Tech Contact:	ERIN WORKMAN REGULATORY COMPLIANCE PROF. E-Mail: Erin.workman@dvn.com  Ph: 405-552-7970	ERIN WORKMAN REGULATORY COMPLIANCE PROF. E-Mail: Erin.workman@dvn.com  Ph: 405-552-7970
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	LAGUNA SALADO; BONE SPRIN	LAGUNA SALADO
Well/Facility:	HOT POTATO 26-23 FED 332H Sec 26 T23S R29E Mer NMP SWSW 325FSL 1022FWL	HOT POTATO 26-23 FED 332H Sec 26 T23S R29E SWSW 325FSL 1022FWL 32.269485 N Lat, 103.960709 W Lon

# **WCDSC Permian NM**

**Eddy County (NAD 83 NM Eastern)**

**Sec 26-T23S-R29E**

**Hot Potato 26-23 Fed 332H**

**Wellbore #1**

**Plan: Permit Plan 1**

## **Standard Planning Report - Geographic**

**22 October, 2019**

# Planning Report - Geographic

<b>Database:</b>	EDM r5000.141_Prod US	<b>Local Co-ordinate Reference:</b>	Well Hot Potato 26-23 Fed Com 332H
<b>Company:</b>	WCDSC Permian NM	<b>TVD Reference:</b>	RKB @ 3102.80ft
<b>Project:</b>	Eddy County (NAD 83 NM Eastern)	<b>MD Reference:</b>	RKB @ 3102.80ft
<b>Site:</b>	Sec 26-T23S-R29E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hot Potato 26-23 Fed Com 332H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Permit Plan 1		

<b>Project</b>	Eddy County (NAD 83 NM Eastern)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

Site		Sec 26-T23S-R29E				
Site Position:		Northing:	461,642.84 usft	Latitude:	32.268591	
From:	Map	Easting:	655,486.63 usft	Longitude:	-103.964017	
Position Uncertainty:		0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.20 °

Well	Hot Potato 26-23 Fed Com 332H					
Well Position	+N/-S	0.00 ft	Northing:	461,972.14 usft	Latitude:	32.269487
	+E/-W	0.00 ft	Easting:	656,508.22 usft	Longitude:	-103.960708
Position Uncertainty		0.50 ft	Wellhead Elevation:		Ground Level:	3,077.80 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	10/21/2019	6.88	60.01	47,685.55623592

<b>Design</b>	Permit Plan 1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	6.17

<b>Plan Survey Tool Program</b>	<b>Date</b>	10/21/2019		
<b>Depth From (ft)</b>	<b>Depth To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	20,619.30 Permit Plan 1 (Wellbore #1)	MWD+HDGM	
			OWSG MWD + HDGM	

<b>Plan Sections</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,053.11	10.53	103.38	3,047.19	-22.34	93.89	1.00	1.00	0.00	103.38	
8,674.48	10.53	103.38	8,573.87	-260.11	1,093.41	0.00	0.00	0.00	0.00	
9,376.55	0.00	0.01	9,272.00	-275.00	1,156.00	1.50	-1.50	0.00	180.00	
9,726.59	0.00	0.01	9,622.04	-275.00	1,156.00	0.00	0.00	0.00	0.01	
10,626.59	90.00	359.76	10,195.00	297.95	1,153.65	10.00	10.00	0.00	359.76	PBHL - Hot Potato 26
20,619.30	90.00	359.76	10,195.00	10,290.57	1,112.62	0.00	0.00	0.00	0.00	PBHL - Hot Potato 26

# Planning Report - Geographic

<b>Database:</b>	EDM r5000.141_Prod US	<b>Local Co-ordinate Reference:</b>	Well Hot Potato 26-23 Fed Com 332H
<b>Company:</b>	WCDSC Permian NM	<b>TVD Reference:</b>	RKB @ 3102.80ft
<b>Project:</b>	Eddy County (NAD 83 NM Eastern)	<b>MD Reference:</b>	RKB @ 3102.80ft
<b>Site:</b>	Sec 26-T23S-R29E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hot Potato 26-23 Fed Com 332H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Permit Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
100.00	0.00	0.00	100.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
200.00	0.00	0.00	200.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
300.00	0.00	0.00	300.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
400.00	0.00	0.00	400.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
500.00	0.00	0.00	500.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
600.00	0.00	0.00	600.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
700.00	0.00	0.00	700.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
800.00	0.00	0.00	800.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
900.00	0.00	0.00	900.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,000.00	0.00	0.00	1,000.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,100.00	0.00	0.00	1,100.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,200.00	0.00	0.00	1,200.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,300.00	0.00	0.00	1,300.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,400.00	0.00	0.00	1,400.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,500.00	0.00	0.00	1,500.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,600.00	0.00	0.00	1,600.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,700.00	0.00	0.00	1,700.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,800.00	0.00	0.00	1,800.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
1,900.00	0.00	0.00	1,900.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
2,000.00	0.00	0.00	2,000.00	0.00	0.00	461,972.14	656,508.22	32.269487	-103.960708
2,100.00	1.00	103.38	2,099.99	-0.20	0.85	461,971.94	656,509.07	32.269486	-103.960705
2,200.00	2.00	103.38	2,199.96	-0.81	3.40	461,971.33	656,511.62	32.269484	-103.960697
2,300.00	3.00	103.38	2,299.86	-1.82	7.64	461,970.32	656,515.86	32.269481	-103.960683
2,400.00	4.00	103.38	2,399.68	-3.23	13.58	461,968.91	656,521.80	32.269478	-103.960664
2,500.00	5.00	103.38	2,499.37	-5.05	21.21	461,967.09	656,529.44	32.269472	-103.960639
2,600.00	6.00	103.38	2,598.90	-7.26	30.54	461,964.88	656,538.76	32.269466	-103.960609
2,700.00	7.00	103.38	2,698.26	-9.88	41.55	461,962.26	656,549.77	32.269459	-103.960574
2,800.00	8.00	103.38	2,797.40	-12.90	54.25	461,959.24	656,562.47	32.269451	-103.960533
2,900.00	9.00	103.38	2,896.30	-16.33	68.63	461,955.82	656,576.85	32.269441	-103.960486
3,000.00	10.00	103.38	2,994.93	-20.14	84.68	461,952.00	656,592.91	32.269430	-103.960434
3,053.11	10.53	103.38	3,047.19	-22.34	93.89	461,949.81	656,602.11	32.269424	-103.960404
3,100.00	10.53	103.38	3,093.29	-24.32	102.23	461,947.82	656,610.45	32.269419	-103.960378
3,200.00	10.53	103.38	3,191.61	-28.55	120.01	461,943.59	656,628.23	32.269407	-103.960320
3,300.00	10.53	103.38	3,289.92	-32.78	137.79	461,939.36	656,646.01	32.269395	-103.960263
3,400.00	10.53	103.38	3,388.24	-37.01	155.57	461,935.13	656,663.79	32.269383	-103.960205
3,500.00	10.53	103.38	3,486.55	-41.24	173.35	461,930.90	656,681.57	32.269372	-103.960148
3,600.00	10.53	103.38	3,584.87	-45.47	191.13	461,926.67	656,699.35	32.269360	-103.960090
3,700.00	10.53	103.38	3,683.18	-49.70	208.91	461,922.44	656,717.14	32.269348	-103.960033
3,800.00	10.53	103.38	3,781.50	-53.93	226.69	461,918.21	656,734.92	32.269336	-103.959975
3,900.00	10.53	103.38	3,879.82	-58.16	244.47	461,913.98	656,752.70	32.269324	-103.959918
4,000.00	10.53	103.38	3,978.13	-62.39	262.25	461,909.75	656,770.48	32.269313	-103.959860
4,100.00	10.53	103.38	4,076.45	-66.62	280.03	461,905.52	656,788.26	32.269301	-103.959803
4,200.00	10.53	103.38	4,174.76	-70.85	297.81	461,901.29	656,806.04	32.269289	-103.959745
4,300.00	10.53	103.38	4,273.08	-75.08	315.60	461,897.06	656,823.82	32.269277	-103.959688
4,400.00	10.53	103.38	4,371.39	-79.31	333.38	461,892.83	656,841.60	32.269265	-103.959630
4,500.00	10.53	103.38	4,469.71	-83.54	351.16	461,888.60	656,859.38	32.269254	-103.959573
4,600.00	10.53	103.38	4,568.02	-87.77	368.94	461,884.37	656,877.16	32.269242	-103.959515
4,700.00	10.53	103.38	4,666.34	-92.00	386.72	461,880.14	656,894.94	32.269230	-103.959458
4,800.00	10.53	103.38	4,764.66	-96.23	404.50	461,875.91	656,912.72	32.269218	-103.959400
4,900.00	10.53	103.38	4,862.97	-100.46	422.28	461,871.68	656,930.50	32.269206	-103.959343
5,000.00	10.53	103.38	4,961.29	-104.69	440.06	461,867.46	656,948.28	32.269195	-103.959285
5,100.00	10.53	103.38	5,059.60	-108.92	457.84	461,863.23	656,966.06	32.269183	-103.959228
5,200.00	10.53	103.38	5,157.92	-113.15	475.62	461,859.00	656,983.84	32.269171	-103.959170
5,300.00	10.53	103.38	5,256.23	-117.37	493.40	461,854.77	657,001.63	32.269159	-103.959113

# Planning Report - Geographic

<b>Database:</b>	EDM r5000.141_Prod US	<b>Local Co-ordinate Reference:</b>	Well Hot Potato 26-23 Fed Com 332H
<b>Company:</b>	WCDSO Permian NM	<b>TVD Reference:</b>	RKB @ 3102.80ft
<b>Project:</b>	Eddy County (NAD 83 NM Eastern)	<b>MD Reference:</b>	RKB @ 3102.80ft
<b>Site:</b>	Sec 26-T23S-R29E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hot Potato 26-23 Fed Com 332H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Permit Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,400.00	10.53	103.38	5,354.55	-121.60	511.18	461,850.54	657,019.41	32.269147	-103.959055
5,500.00	10.53	103.38	5,452.87	-125.83	528.96	461,846.31	657,037.19	32.269136	-103.958998
5,600.00	10.53	103.38	5,551.18	-130.06	546.74	461,842.08	657,054.97	32.269124	-103.958941
5,700.00	10.53	103.38	5,649.50	-134.29	564.52	461,837.85	657,072.75	32.269112	-103.958883
5,800.00	10.53	103.38	5,747.81	-138.52	582.31	461,833.62	657,090.53	32.269100	-103.958826
5,900.00	10.53	103.38	5,846.13	-142.75	600.09	461,829.39	657,108.31	32.269088	-103.958768
6,000.00	10.53	103.38	5,944.44	-146.98	617.87	461,825.16	657,126.09	32.269077	-103.958711
6,100.00	10.53	103.38	6,042.76	-151.21	635.65	461,820.93	657,143.87	32.269065	-103.958653
6,200.00	10.53	103.38	6,141.07	-155.44	653.43	461,816.70	657,161.65	32.269053	-103.958596
6,300.00	10.53	103.38	6,239.39	-159.67	671.21	461,812.47	657,179.43	32.269041	-103.958538
6,400.00	10.53	103.38	6,337.71	-163.90	688.99	461,808.24	657,197.21	32.269029	-103.958481
6,500.00	10.53	103.38	6,436.02	-168.13	706.77	461,804.01	657,214.99	32.269018	-103.958423
6,600.00	10.53	103.38	6,534.34	-172.36	724.55	461,799.78	657,232.77	32.269006	-103.958366
6,700.00	10.53	103.38	6,632.65	-176.59	742.33	461,795.55	657,250.55	32.268994	-103.958308
6,800.00	10.53	103.38	6,730.97	-180.82	760.11	461,791.32	657,268.34	32.268982	-103.958251
6,900.00	10.53	103.38	6,829.28	-185.05	777.89	461,787.09	657,286.12	32.268970	-103.958193
7,000.00	10.53	103.38	6,927.60	-189.28	795.67	461,782.86	657,303.90	32.268959	-103.958136
7,100.00	10.53	103.38	7,025.91	-193.51	813.45	461,778.63	657,321.68	32.268947	-103.958078
7,200.00	10.53	103.38	7,124.23	-197.74	831.23	461,774.40	657,339.46	32.268935	-103.958021
7,300.00	10.53	103.38	7,222.55	-201.97	849.02	461,770.17	657,357.24	32.268923	-103.957963
7,400.00	10.53	103.38	7,320.86	-206.20	866.80	461,765.94	657,375.02	32.268911	-103.957906
7,500.00	10.53	103.38	7,419.18	-210.43	884.58	461,761.71	657,392.80	32.268900	-103.957848
7,600.00	10.53	103.38	7,517.49	-214.66	902.36	461,757.48	657,410.58	32.268888	-103.957791
7,700.00	10.53	103.38	7,615.81	-218.89	920.14	461,753.25	657,428.36	32.268876	-103.957733
7,800.00	10.53	103.38	7,714.12	-223.12	937.92	461,749.02	657,446.14	32.268864	-103.957676
7,900.00	10.53	103.38	7,812.44	-227.35	955.70	461,744.79	657,463.92	32.268852	-103.957619
8,000.00	10.53	103.38	7,910.75	-231.58	973.48	461,740.56	657,481.70	32.268841	-103.957561
8,100.00	10.53	103.38	8,009.07	-235.81	991.26	461,736.33	657,499.48	32.268829	-103.957504
8,200.00	10.53	103.38	8,107.39	-240.04	1,009.04	461,732.10	657,517.26	32.268817	-103.957446
8,300.00	10.53	103.38	8,205.70	-244.27	1,026.82	461,727.87	657,535.04	32.268805	-103.957389
8,400.00	10.53	103.38	8,304.02	-248.50	1,044.60	461,723.64	657,552.83	32.268793	-103.957331
8,500.00	10.53	103.38	8,402.33	-252.73	1,062.38	461,719.41	657,570.61	32.268782	-103.957274
8,600.00	10.53	103.38	8,500.65	-256.96	1,080.16	461,715.18	657,588.39	32.268770	-103.957216
8,674.48	10.53	103.38	8,573.87	-260.11	1,093.41	461,712.03	657,601.63	32.268761	-103.957173
8,700.00	10.15	103.38	8,598.98	-261.17	1,097.86	461,710.97	657,606.09	32.268758	-103.957159
8,800.00	8.65	103.38	8,697.63	-264.95	1,113.75	461,707.19	657,621.97	32.268748	-103.957108
8,900.00	7.15	103.38	8,796.68	-268.13	1,127.12	461,704.01	657,635.34	32.268739	-103.957064
9,000.00	5.65	103.38	8,896.06	-270.71	1,137.96	461,701.43	657,646.18	32.268731	-103.957029
9,100.00	4.15	103.38	8,995.69	-272.68	1,146.26	461,699.46	657,654.49	32.268726	-103.957003
9,200.00	2.65	103.38	9,095.51	-274.06	1,152.03	461,698.08	657,660.25	32.268722	-103.956984
9,300.00	1.15	103.38	9,195.45	-274.82	1,155.25	461,697.32	657,663.48	32.268720	-103.956973
9,376.55	0.00	0.01	9,272.00	-275.00	1,156.00	461,697.14	657,664.22	32.268720	-103.956971
9,400.00	0.00	0.00	9,295.45	-275.00	1,156.00	461,697.14	657,664.22	32.268720	-103.956971
9,500.00	0.00	0.00	9,395.45	-275.00	1,156.00	461,697.14	657,664.22	32.268720	-103.956971
9,600.00	0.00	0.00	9,495.45	-275.00	1,156.00	461,697.14	657,664.22	32.268720	-103.956971
9,700.00	0.00	0.00	9,595.45	-275.00	1,156.00	461,697.14	657,664.22	32.268720	-103.956971
9,726.59	0.00	0.00	9,622.04	-275.00	1,156.00	461,697.14	657,664.22	32.268720	-103.956971
<b>KOP @ 9727' MD, 50' FSL, 2178' FWL</b>									
9,800.00	7.34	359.76	9,695.25	-270.30	1,155.98	461,701.84	657,664.20	32.268732	-103.956971
9,900.00	17.34	359.76	9,792.81	-248.96	1,155.89	461,723.18	657,664.12	32.268791	-103.956971
9,968.00	24.14	359.76	9,856.37	-224.89	1,155.79	461,747.25	657,664.02	32.268857	-103.956971
<b>FTP @ 9968' MD, 100' FSL, 2178' FWL</b>									
10,000.00	27.34	359.76	9,885.19	-211.00	1,155.74	461,761.14	657,663.96	32.268895	-103.956971
10,100.00	37.34	359.76	9,969.57	-157.57	1,155.52	461,814.57	657,663.74	32.269042	-103.956971

# Planning Report - Geographic

<b>Database:</b>	EDM r5000.141_Prod US	<b>Local Co-ordinate Reference:</b>	Well Hot Potato 26-23 Fed Com 332H
<b>Company:</b>	WCDSC Permian NM	<b>TVD Reference:</b>	RKB @ 3102.80ft
<b>Project:</b>	Eddy County (NAD 83 NM Eastern)	<b>MD Reference:</b>	RKB @ 3102.80ft
<b>Site:</b>	Sec 26-T23S-R29E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hot Potato 26-23 Fed Com 332H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Permit Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,200.00	47.34	359.76	10,043.39	-90.30	1,155.24	461,881.84	657,663.46	32.269227	-103.956971
10,300.00	57.34	359.76	10,104.41	-11.24	1,154.92	461,960.90	657,663.14	32.269445	-103.956972
10,400.00	67.34	359.76	10,150.77	77.22	1,154.55	462,049.36	657,662.78	32.269688	-103.956972
10,500.00	77.34	359.76	10,181.07	172.39	1,154.16	462,144.53	657,662.39	32.269949	-103.956972
10,600.00	87.34	359.76	10,194.38	271.37	1,153.76	462,243.51	657,661.98	32.270221	-103.956972
10,626.59	90.00	359.76	10,195.00	297.95	1,153.65	462,270.09	657,661.87	32.270294	-103.956972
10,700.00	90.00	359.76	10,195.00	371.36	1,153.35	462,343.50	657,661.57	32.270496	-103.956972
10,800.00	90.00	359.76	10,195.00	471.36	1,152.94	462,443.50	657,661.16	32.270771	-103.956972
10,900.00	90.00	359.76	10,195.00	571.36	1,152.53	462,543.50	657,660.75	32.271046	-103.956973
11,000.00	90.00	359.76	10,195.00	671.36	1,152.11	462,643.50	657,660.34	32.271321	-103.956973
11,100.00	90.00	359.76	10,195.00	771.36	1,151.70	462,743.49	657,659.93	32.271596	-103.956973
11,200.00	90.00	359.76	10,195.00	871.35	1,151.29	462,843.49	657,659.52	32.271871	-103.956973
11,300.00	90.00	359.76	10,195.00	971.35	1,150.88	462,943.49	657,659.11	32.272146	-103.956973
11,400.00	90.00	359.76	10,195.00	1,071.35	1,150.47	463,043.49	657,658.69	32.272420	-103.956974
11,500.00	90.00	359.76	10,195.00	1,171.35	1,150.06	463,143.49	657,658.28	32.272695	-103.956974
11,600.00	90.00	359.76	10,195.00	1,271.35	1,149.65	463,243.49	657,657.87	32.272970	-103.956974
11,700.00	90.00	359.76	10,195.00	1,371.35	1,149.24	463,343.49	657,657.46	32.273245	-103.956974
11,800.00	90.00	359.76	10,195.00	1,471.35	1,148.83	463,443.49	657,657.05	32.273520	-103.956974
11,900.00	90.00	359.76	10,195.00	1,571.35	1,148.42	463,543.49	657,656.64	32.273795	-103.956975
12,000.00	90.00	359.76	10,195.00	1,671.35	1,148.01	463,643.49	657,656.23	32.274070	-103.956975
12,100.00	90.00	359.76	10,195.00	1,771.35	1,147.60	463,743.48	657,655.82	32.274345	-103.956975
12,200.00	90.00	359.76	10,195.00	1,871.35	1,147.19	463,843.48	657,655.41	32.274620	-103.956975
12,300.00	90.00	359.76	10,195.00	1,971.35	1,146.78	463,943.48	657,655.00	32.274894	-103.956975
12,400.00	90.00	359.76	10,195.00	2,071.34	1,146.37	464,043.48	657,654.59	32.275169	-103.956976
12,500.00	90.00	359.76	10,195.00	2,171.34	1,145.96	464,143.48	657,654.18	32.275444	-103.956976
12,600.00	90.00	359.76	10,195.00	2,271.34	1,145.55	464,243.48	657,653.77	32.275719	-103.956976
12,700.00	90.00	359.76	10,195.00	2,371.34	1,145.14	464,343.48	657,653.36	32.275994	-103.956976
12,800.00	90.00	359.76	10,195.00	2,471.34	1,144.72	464,443.48	657,652.95	32.276269	-103.956976
12,900.00	90.00	359.76	10,195.00	2,571.34	1,144.31	464,543.48	657,652.54	32.276544	-103.956977
13,000.00	90.00	359.76	10,195.00	2,671.34	1,143.90	464,643.47	657,652.13	32.276819	-103.956977
13,100.00	90.00	359.76	10,195.00	2,771.34	1,143.49	464,743.47	657,651.72	32.277093	-103.956977
13,200.00	90.00	359.76	10,195.00	2,871.34	1,143.08	464,843.47	657,651.30	32.277368	-103.956977
13,300.00	90.00	359.76	10,195.00	2,971.34	1,142.67	464,943.47	657,650.89	32.277643	-103.956977
13,400.00	90.00	359.76	10,195.00	3,071.34	1,142.26	465,043.47	657,650.48	32.277918	-103.956978
13,500.00	90.00	359.76	10,195.00	3,171.34	1,141.85	465,143.47	657,650.07	32.278193	-103.956978
13,600.00	90.00	359.76	10,195.00	3,271.33	1,141.44	465,243.47	657,649.66	32.278468	-103.956978
13,700.00	90.00	359.76	10,195.00	3,371.33	1,141.03	465,343.47	657,649.25	32.278743	-103.956978
13,800.00	90.00	359.76	10,195.00	3,471.33	1,140.62	465,443.47	657,648.84	32.279018	-103.956978
13,900.00	90.00	359.76	10,195.00	3,571.33	1,140.21	465,543.47	657,648.43	32.279293	-103.956978
14,000.00	90.00	359.76	10,195.00	3,671.33	1,139.80	465,643.46	657,648.02	32.279567	-103.956979
14,100.00	90.00	359.76	10,195.00	3,771.33	1,139.39	465,743.46	657,647.61	32.279842	-103.956979
14,200.00	90.00	359.76	10,195.00	3,871.33	1,138.98	465,843.46	657,647.20	32.280117	-103.956979
14,300.00	90.00	359.76	10,195.00	3,971.33	1,138.57	465,943.46	657,646.79	32.280392	-103.956979
14,400.00	90.00	359.76	10,195.00	4,071.33	1,138.16	466,043.46	657,646.38	32.280667	-103.956979
14,500.00	90.00	359.76	10,195.00	4,171.33	1,137.75	466,143.46	657,645.97	32.280942	-103.956980
14,600.00	90.00	359.76	10,195.00	4,271.33	1,137.33	466,243.46	657,645.56	32.281217	-103.956980
14,700.00	90.00	359.76	10,195.00	4,371.33	1,136.92	466,343.46	657,645.15	32.281492	-103.956980
14,800.00	90.00	359.76	10,195.00	4,471.32	1,136.51	466,443.46	657,644.74	32.281767	-103.956980
14,900.00	90.00	359.76	10,195.00	4,571.32	1,136.10	466,543.45	657,644.33	32.282041	-103.956980
15,000.00	90.00	359.76	10,195.00	4,671.32	1,135.69	466,643.45	657,643.91	32.282316	-103.956981
15,100.00	90.00	359.76	10,195.00	4,771.32	1,135.28	466,743.45	657,643.50	32.282591	-103.956981
15,200.00	90.00	359.76	10,195.00	4,871.32	1,134.87	466,843.45	657,643.09	32.282866	-103.956981
15,300.00	90.00	359.76	10,195.00	4,971.32	1,134.46	466,943.45	657,642.68	32.283141	-103.956981

# Planning Report - Geographic

<b>Database:</b>	EDM r5000.141_Prod US	<b>Local Co-ordinate Reference:</b>	Well Hot Potato 26-23 Fed Com 332H
<b>Company:</b>	WCDSC Permian NM	<b>TVD Reference:</b>	RKB @ 3102.80ft
<b>Project:</b>	Eddy County (NAD 83 NM Eastern)	<b>MD Reference:</b>	RKB @ 3102.80ft
<b>Site:</b>	Sec 26-T23S-R29E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hot Potato 26-23 Fed Com 332H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Permit Plan 1		

Planned Survey										
Measured										
Depth	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Map	Map			
(ft)	(°)	(°)	Depth	(ft)	(ft)	Northing	Easting		Latitude	Longitude
(usft)			(ft)			(usft)	(usft)			
15,324.00	90.00	359.76	10,195.00	4,995.32	1,134.36	466,967.45	657,642.58		32.283207	-103.956981
Cross section @ 15324' MD, 0' FSL, 2178' FWL										
15,400.00	90.00	359.76	10,195.00	5,071.32	1,134.05	467,043.45	657,642.27		32.283416	-103.956981
15,500.00	90.00	359.76	10,195.00	5,171.32	1,133.64	467,143.45	657,641.86		32.283691	-103.956982
15,600.00	90.00	359.76	10,195.00	5,271.32	1,133.23	467,243.45	657,641.45		32.283966	-103.956982
15,700.00	90.00	359.76	10,195.00	5,371.32	1,132.82	467,343.45	657,641.04		32.284240	-103.956982
15,800.00	90.00	359.76	10,195.00	5,471.32	1,132.41	467,443.45	657,640.63		32.284515	-103.956982
15,900.00	90.00	359.76	10,195.00	5,571.32	1,132.00	467,543.44	657,640.22		32.284790	-103.956982
16,000.00	90.00	359.76	10,195.00	5,671.31	1,131.59	467,643.44	657,639.81		32.285065	-103.956983
16,100.00	90.00	359.76	10,195.00	5,771.31	1,131.18	467,743.44	657,639.40		32.285340	-103.956983
16,200.00	90.00	359.76	10,195.00	5,871.31	1,130.77	467,843.44	657,638.99		32.285615	-103.956983
16,300.00	90.00	359.76	10,195.00	5,971.31	1,130.36	467,943.44	657,638.58		32.285890	-103.956983
16,400.00	90.00	359.76	10,195.00	6,071.31	1,129.94	468,043.44	657,638.17		32.286165	-103.956983
16,500.00	90.00	359.76	10,195.00	6,171.31	1,129.53	468,143.44	657,637.76		32.286440	-103.956984
16,600.00	90.00	359.76	10,195.00	6,271.31	1,129.12	468,243.44	657,637.35		32.286714	-103.956984
16,700.00	90.00	359.76	10,195.00	6,371.31	1,128.71	468,343.44	657,636.94		32.286989	-103.956984
16,800.00	90.00	359.76	10,195.00	6,471.31	1,128.30	468,443.44	657,636.52		32.287264	-103.956984
16,900.00	90.00	359.76	10,195.00	6,571.31	1,127.89	468,543.43	657,636.11		32.287539	-103.956984
17,000.00	90.00	359.76	10,195.00	6,671.31	1,127.48	468,643.43	657,635.70		32.287814	-103.956984
17,100.00	90.00	359.76	10,195.00	6,771.31	1,127.07	468,743.43	657,635.29		32.288089	-103.956985
17,200.00	90.00	359.76	10,195.00	6,871.30	1,126.66	468,843.43	657,634.88		32.288364	-103.956985
17,300.00	90.00	359.76	10,195.00	6,971.30	1,126.25	468,943.43	657,634.47		32.288639	-103.956985
17,400.00	90.00	359.76	10,195.00	7,071.30	1,125.84	469,043.43	657,634.06		32.288913	-103.956985
17,500.00	90.00	359.76	10,195.00	7,171.30	1,125.43	469,143.43	657,633.65		32.289188	-103.956985
17,600.00	90.00	359.76	10,195.00	7,271.30	1,125.02	469,243.43	657,633.24		32.289463	-103.956986
17,700.00	90.00	359.76	10,195.00	7,371.30	1,124.61	469,343.43	657,632.83		32.289738	-103.956986
17,800.00	90.00	359.76	10,195.00	7,471.30	1,124.20	469,443.42	657,632.42		32.290013	-103.956986
17,900.00	90.00	359.76	10,195.00	7,571.30	1,123.79	469,543.42	657,632.01		32.290288	-103.956986
18,000.00	90.00	359.76	10,195.00	7,671.30	1,123.38	469,643.42	657,631.60		32.290563	-103.956986
18,100.00	90.00	359.76	10,195.00	7,771.30	1,122.97	469,743.42	657,631.19		32.290838	-103.956987
18,200.00	90.00	359.76	10,195.00	7,871.30	1,122.55	469,843.42	657,630.78		32.291113	-103.956987
18,300.00	90.00	359.76	10,195.00	7,971.30	1,122.14	469,943.42	657,630.37		32.291387	-103.956987
18,400.00	90.00	359.76	10,195.00	8,071.29	1,121.73	470,043.42	657,629.96		32.291662	-103.956987
18,500.00	90.00	359.76	10,195.00	8,171.29	1,121.32	470,143.42	657,629.55		32.291937	-103.956987
18,600.00	90.00	359.76	10,195.00	8,271.29	1,120.91	470,243.42	657,629.13		32.292212	-103.956988
18,700.00	90.00	359.76	10,195.00	8,371.29	1,120.50	470,343.42	657,628.72		32.292487	-103.956988
18,800.00	90.00	359.76	10,195.00	8,471.29	1,120.09	470,443.41	657,628.31		32.292762	-103.956988
18,900.00	90.00	359.76	10,195.00	8,571.29	1,119.68	470,543.41	657,627.90		32.293037	-103.956988
19,000.00	90.00	359.76	10,195.00	8,671.29	1,119.27	470,643.41	657,627.49		32.293312	-103.956988
19,100.00	90.00	359.76	10,195.00	8,771.29	1,118.86	470,743.41	657,627.08		32.293586	-103.956989
19,200.00	90.00	359.76	10,195.00	8,871.29	1,118.45	470,843.41	657,626.67		32.293861	-103.956989
19,300.00	90.00	359.76	10,195.00	8,971.29	1,118.04	470,943.41	657,626.26		32.294136	-103.956989
19,400.00	90.00	359.76	10,195.00	9,071.29	1,117.63	471,043.41	657,625.85		32.294411	-103.956989
19,500.00	90.00	359.76	10,195.00	9,171.29	1,117.22	471,143.41	657,625.44		32.294686	-103.956989
19,600.00	90.00	359.76	10,195.00	9,271.28	1,116.81	471,243.41	657,625.03		32.294961	-103.956989
19,700.00	90.00	359.76	10,195.00	9,371.28	1,116.40	471,343.40	657,624.62		32.295236	-103.956990
19,800.00	90.00	359.76	10,195.00	9,471.28	1,115.99	471,443.40	657,624.21		32.295511	-103.956990
19,900.00	90.00	359.76	10,195.00	9,571.28	1,115.58	471,543.40	657,623.80		32.295786	-103.956990
20,000.00	90.00	359.76	10,195.00	9,671.28	1,115.16	471,643.40	657,623.39		32.296060	-103.956990
20,100.00	90.00	359.76	10,195.00	9,771.28	1,114.75	471,743.40	657,622.98		32.296335	-103.956990
20,200.00	90.00	359.76	10,195.00	9,871.28	1,114.34	471,843.40	657,622.57		32.296610	-103.956991
20,300.00	90.00	359.76	10,195.00	9,971.28	1,113.93	471,943.40	657,622.16		32.296885	-103.956991
20,400.00	90.00	359.76	10,195.00	10,071.28	1,113.52	472,043.40	657,621.75		32.297160	-103.956991
20,500.00	90.00	359.76	10,195.00	10,171.28	1,113.11	472,143.40	657,621.33		32.297435	-103.956991

## Planning Report - Geographic

<b>Database:</b>	EDM r5000.141_Prod US	<b>Local Co-ordinate Reference:</b>	Well Hot Potato 26-23 Fed Com 332H
<b>Company:</b>	WCDSC Permian NM	<b>TVD Reference:</b>	RKB @ 3102.80ft
<b>Project:</b>	Eddy County (NAD 83 NM Eastern)	<b>MD Reference:</b>	RKB @ 3102.80ft
<b>Site:</b>	Sec 26-T23S-R29E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hot Potato 26-23 Fed Com 332H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Permit Plan 1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
20,539.00	90.00	359.76	10,195.00	10,210.28	1,112.95	472,182.40	657,621.17	32.297542	-103.956991	
LTP @ 20539' MD, 100' FNL, 2178' FWL										
20,600.00	90.00	359.76	10,195.00	10,271.28	1,112.70	472,243.40	657,620.92	32.297710	-103.956991	
20,619.29	90.00	359.76	10,195.00	10,290.57	1,112.62	472,262.69	657,620.84	32.297763	-103.956991	
PBHL; 20' FNL, 2178' FWL										
20,619.30	90.00	359.76	10,195.00	10,290.57	1,112.62	472,262.69	657,620.84	32.297763	-103.956991	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
PBHL - Hot Potato 26-23	0.00	0.00	0.00	10,290.57	1,112.62	472,262.69	657,620.84	32.297763	-103.956991	
- plan misses target center by 10195.00ft at 20619.30ft MD (10195.00 TVD, 10290.57 N, 1112.62 E)										
- Point										

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
9,726.59	9,622.04	-275.00	1,156.00	KOP @ 9727' MD, 50' FSL, 2178' FWL	
9,968.00	9,856.37	-224.89	1,155.79	FTP @ 99688' MD, 100' FSL, 2178' FWL	
15,324.00	10,195.00	4,995.32	1,134.36	Cross section @ 15324' MD, 0' FSL, 2178' FWL	
20,539.00	10,195.00	10,210.28	1,112.95	LTP @ 20539' MD, 100' FNL, 2178' FWL	
20,619.29	10,195.00	10,290.57	1,112.62	PBHL; 20' FNL, 2178' FWL	



**Devon Energy Center  
333 West Sheridan Avenue  
Oklahoma City, Oklahoma 73102-5015**

# **Hydrogen Sulfide (H<sub>2</sub>S) Contingency Plan**

**For**

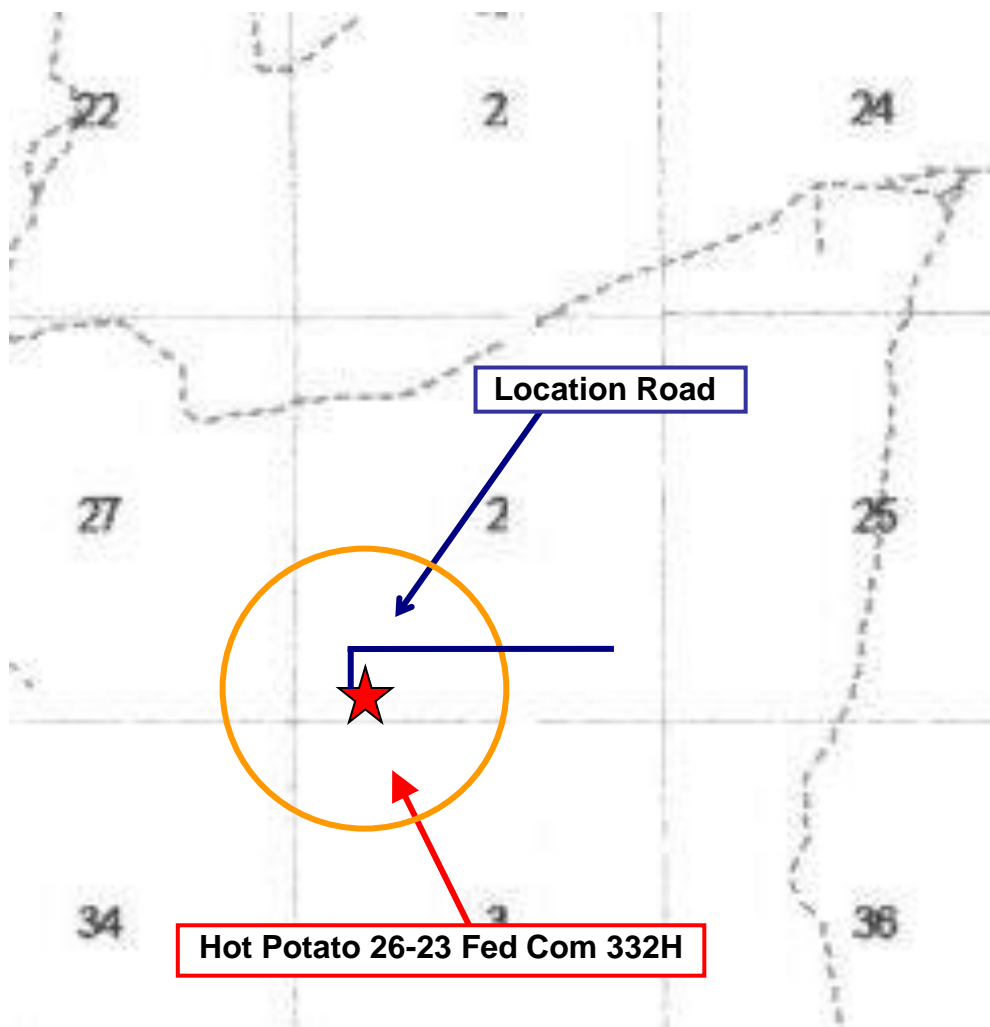
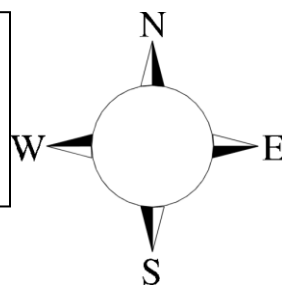
**Hot Potato 26-23 Fed Com 332H**

**Sec-26 T-23S R-29E  
325 FSL & 1022' FWL  
LAT. = 32.269486' N (NAD83)  
LONG = 103.960708' W**

**Eddy County NM**

## Hot Potato 26-23 Fed Com 332H

This is an open drilling site. H<sub>2</sub>S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H<sub>2</sub>S, including warning signs, wind indicators and H<sub>2</sub>S monitor.



Assumed 100 ppm ROE = 3000' (Radius of Exposure)  
100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.

### Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road. Crews should then block the entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings in or near the ROE.

**Assumed 100 ppm ROE = 3000'**

**100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.**

### **Emergency Procedures**

In the event of a release of gas containing H<sub>2</sub>S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H<sub>2</sub>S monitors and air packs in order to control the release.
- Use the “buddy system” to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
  - Detection of H<sub>2</sub>S, and
  - Measures for protection against the gas,
  - Equipment used for protection and emergency response.

### **Ignition of Gas Source**

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

### **Characteristics of H<sub>2</sub>S and SO<sub>2</sub>**

<b>Common Name</b>	<b>Chemical Formula</b>	<b>Specific Gravity</b>	<b>Threshold Limit</b>	<b>Hazardous Limit</b>	<b>Lethal Concentration</b>
<b>Hydrogen Sulfide</b>	H <sub>2</sub> S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
<b>Sulfur Dioxide</b>	SO <sub>2</sub>	2.21 Air = 1	2 ppm	N/A	1000 ppm

### **Contacting Authorities**

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico’s ‘Hazardous Materials Emergency Response Plan’ (HMER)

# **Hydrogen Sulfide Drilling Operation Plan**

## **I. HYDROGEN SULFIDE (H<sub>2</sub>S) TRAINING**

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S)
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H<sub>2</sub>S metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan and Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H<sub>2</sub>S zone (within 3 days or 500 feet) and weekly H<sub>2</sub>S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H<sub>2</sub>S Drilling Operations Plan and the Public Protection Plan.

## **II. HYDROGEN SULFIDE TRAINING**

Note: All H<sub>2</sub>S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H<sub>2</sub>S.

## **1. Well Control Equipment**

- A. Flare line
- B. Choke manifold – Remotely Operated
- C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
- D. Auxiliary equipment may include if applicable: annular preventer and rotating head.
- E. Mud/Gas Separator

## **2. Protective equipment for essential personnel:**

30-minute SCBA units located at briefing areas, as indicated on well site diagram, with escape units available in the top doghouse. As it may be difficult to communicate audibly while wearing these units, hand signals shall be utilized.

## **3. H<sub>2</sub>S detection and monitoring equipment:**

Portable H<sub>2</sub>S monitors positioned on location for best coverage and response. These units have warning lights which activate when H<sub>2</sub>S levels reach 10 ppm and audible sirens which activate at 15 ppm. Sensor locations:

- Bell nipple
- Possum Belly/Shale shaker
- Rig floor
- Choke manifold
- Cellar

### **Visual warning systems:**

- A. Wind direction indicators as shown on well site diagram
- B. Caution/ Danger signs shall be posted on roads providing direct access to locations. Signs will be painted a high visibility yellow with black lettering of sufficient size to be reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

#### **4. Mud program:**

The mud program has been designed to minimize the volume of H<sub>2</sub>S circulated to surface. Proper mud weight, safe drilling practices and the use of H<sub>2</sub>S scavengers will minimize hazards when penetrating H<sub>2</sub>S bearing zones.

#### **5. Metallurgy:**

- A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H<sub>2</sub>S trim.
- B. All elastomers used for packing and seals shall be H<sub>2</sub>S trim.

#### **6. Communication:**

- A. Company personnel have/use cellular telephones in the field.
- B. Land line (telephone) communications at Office

#### **7. Well testing:**

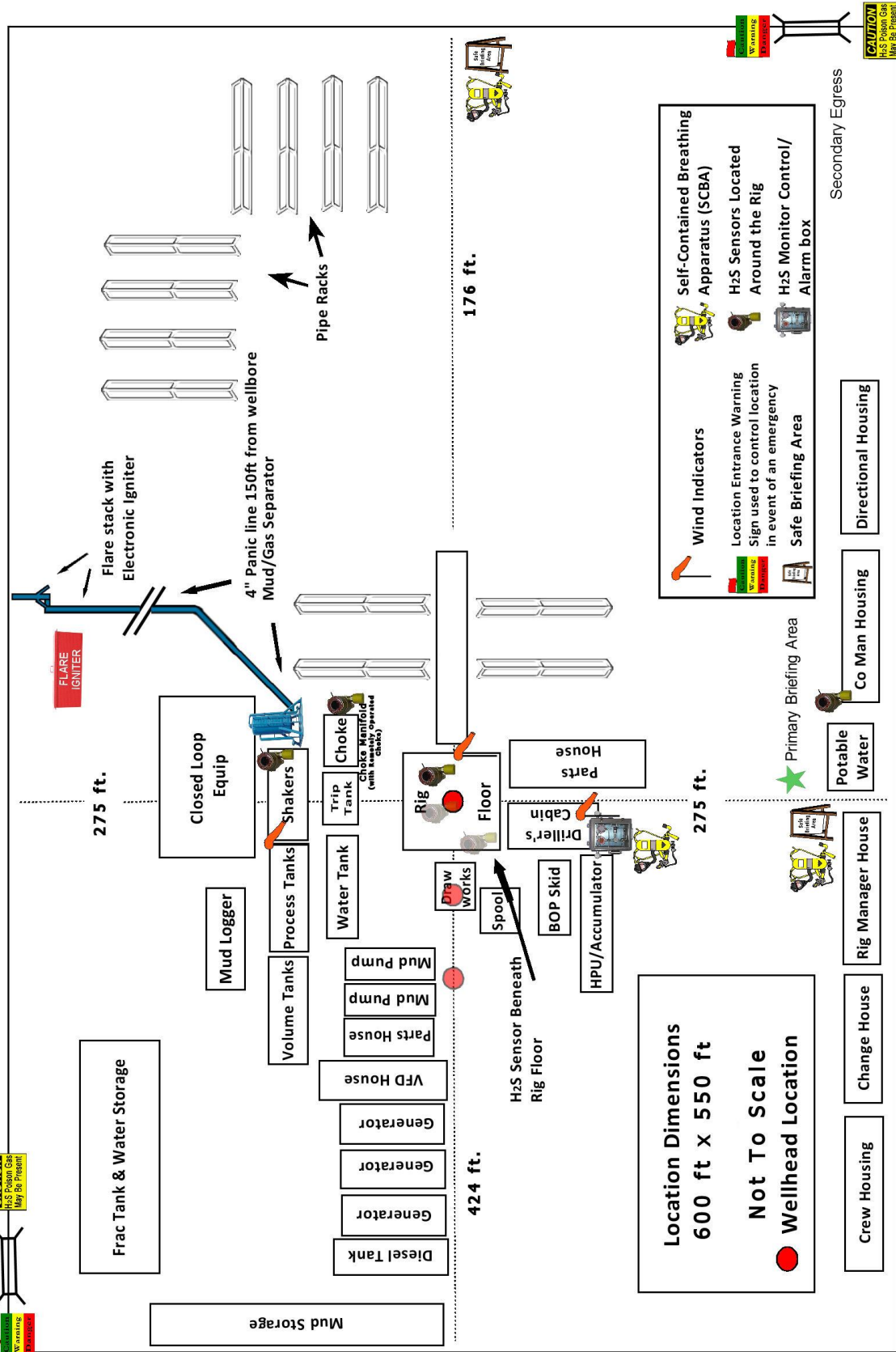
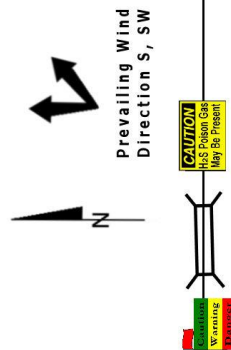
- A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H<sub>2</sub>S environment will use the closed chamber method of testing.
- B. There will be no drill stem testing.

<b><u>Devon Energy Corp. Company Call List</u></b>		
Drilling Supervisor – Basin – Mark Kramer		405-823-4796
EHS Professional – Laura Wright		405-439-8129
<b><u>Agency Call List</u></b>		
<b><u>Lea County (575)</u></b>	<b>Hobbs</b>	
	Lea County Communication Authority	393-3981
	State Police	392-5588
	City Police	397-9265
	Sheriff's Office	393-2515
	<b>Ambulance</b>	<b>911</b>
	Fire Department	397-9308
	LEPC (Local Emergency Planning Committee)	393-2870
	NMOCD	393-6161
	US Bureau of Land Management	393-3612
<b><u>Eddy County (575)</u></b>	<b>Carlsbad</b>	
	State Police	885-3137
	City Police	885-2111
	Sheriff's Office	887-7551
	<b>Ambulance</b>	<b>911</b>
	Fire Department	885-3125
	LEPC (Local Emergency Planning Committee)	887-3798
	US Bureau of Land Management	887-6544
	NM Emergency Response Commission (Santa Fe)	(505) 476-9600
	24 HR	(505) 827-9126
	National Emergency Response Center	(800) 424-8802
	National Pollution Control Center: Direct	(703) 872-6000
	For Oil Spills	(800) 280-7118
	<b>Emergency Services</b>	
	Wild Well Control	(281) 784-4700
	Cudd Pressure Control	(915) 699-0139 (915) 563-3356
	Halliburton	(575) 746-2757
	B. J. Services	(575) 746-3569
<b><u>Give GPS position:</u></b>	Native Air – Emergency Helicopter – Hobbs (NM and TX)	(800)642-7828
	Flight For Life - Lubbock, TX	(806) 743-9911
	Aerocare - Lubbock, TX	(806) 747-8923
	Med Flight Air Amb - Albuquerque, NM	(575) 842-4433
	Lifeguard Air Med Svc. Albuquerque, NM	(800) 222-1222
	Poison Control (24/7)	(575) 272-3115
	Oil & Gas Pipeline 24 Hour Service	(800) 364-4366
	NOAA – Website - <a href="http://www.nhc.noaa.gov">www.nhc.noaa.gov</a>	

Prepared in conjunction with  
Dave Small



# Devon Energy - Well Pad Rig Location Layout Safety Equipment Location



<div>Devon Energy</div>			
WELL DETAILS: Hot Potato 26-23 Fed 332H			
RKB @ 3102.80ft			
3077.80			
Northing	Easting	Latitude	Longitude
461972.14	656508.22	32.269486	-103.960708

Northing	Easting	Latitude	Longitude
461972.14	656508.22	32.269486	-103.960708

True Vertical Depth (400 ft/in)

0

400

800

1200

1600

2000

2400

2800

3200

3600

4000

4400

4800

5200

5600

6000

6400

6800

7200

7600

8000

8400

8800

9200

9600

10000

10400

10800

-800

-400

0

400

800

1200

1600

2000

2400

2800

3200

3600

4000

4400

4800

Vertical Section

devon

KOP @ 9727' MD, 50' FSL, 2178' FWL

FTP @ 9968' MD, 100' FSL, 2178' FWL

Azimuths to Grid North  
True North: -0.20°  
Magnetic North: 6.69°

Magnetic Field  
Strength: 47685.6snT  
Dip Angle: 60.01°  
Date: 10/21/2019  
Model: IGRF2015



