

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46341		² Pool Code 98180	³ Pool Name WC025 G09 S253309P; UPR WOLFCAMP
⁴ Property Code 321651	⁵ Property Name SAVAGE 2 STATE COM		⁶ Well Number 741H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3520'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	2	25-S	32-E	-	550'	NORTH	1719'	WEST	LEA

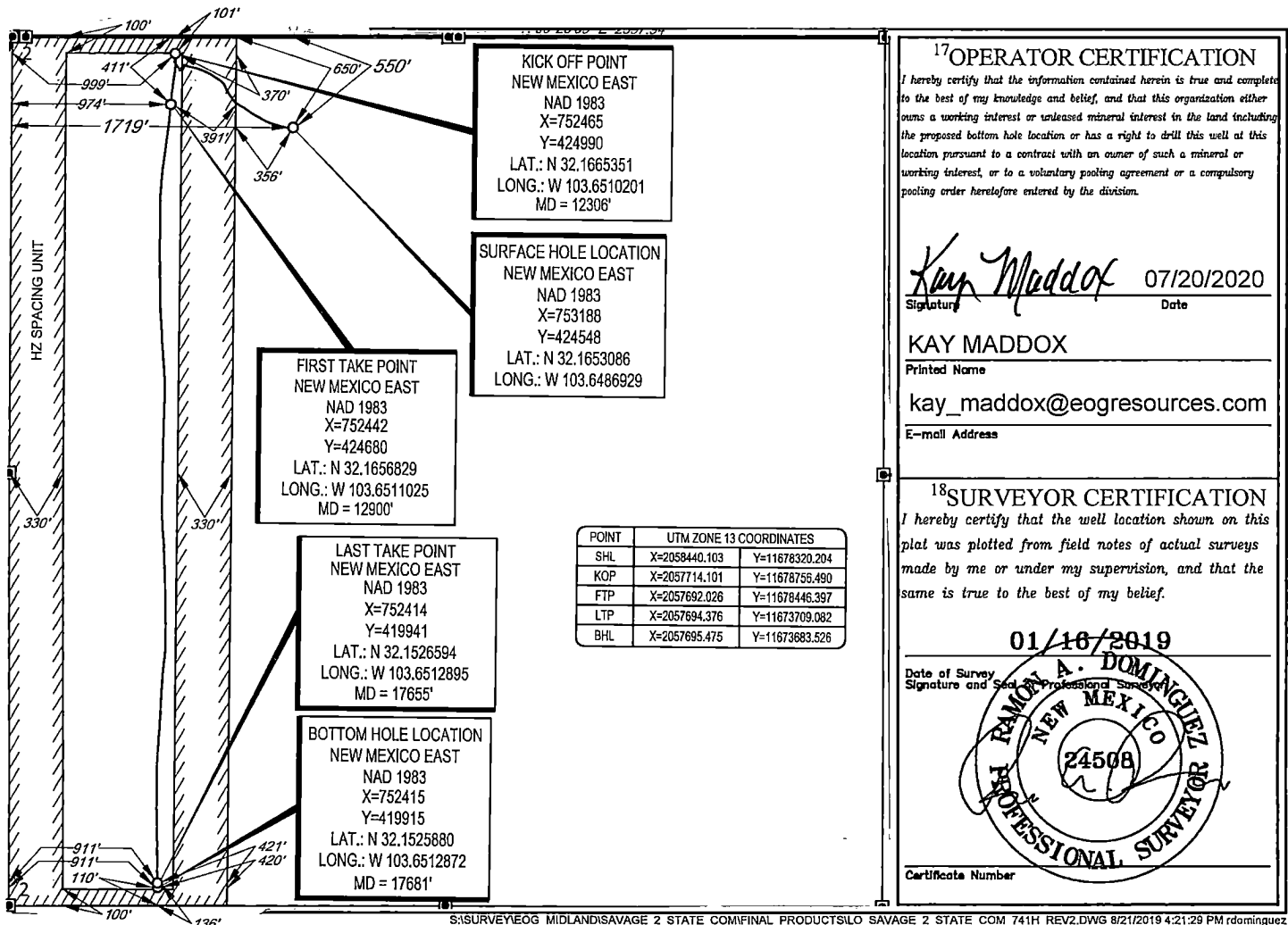
¹¹Bottom Hole Location If Different From Surface

SL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	25-S	32-E	-	110'	SOUTH	911'	WEST	LEA

¹² Dedicated Acres 160.10	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Intent ☐ As Drilled ☒API #
30-025-46341Operator Name:
EOG RESOURCES, INCProperty Name:
SAVAGE 2 STATE COMWell Number
741H

Kick Off Point (KOP)

UL D	Section 2	Township 25S	Range 32E	Lot	Feet 101	From N/S NORTH	Feet 999	From E/W WEST	County LEA
Latitude 32.1665351					Longitude 103.6510201			NAD 1983	

First Take Point (FTP)

UL D	Section 2	Township 25S	Range 32E	Lot	Feet 411	From N/S NORTH	Feet 974	From E/W WEST	County LEA
Latitude 32.1656829					Longitude 103.6511025			NAD 1983	

Last Take Point (LTP)

UL M	Section 2	Township 25S	Range 32E	Lot	Feet 136	From N/S SOUTH	Feet 911	From E/W WEST	County LEA
Latitude 32.1525880					Longitude 103.6512872			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit?

☒

Is this well an infill well?

☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

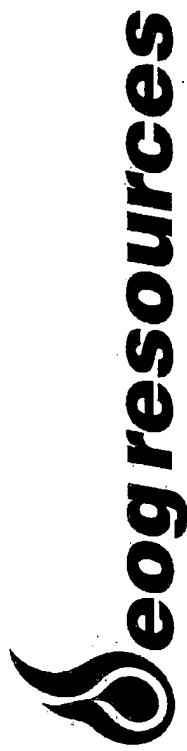
Operator Name:
EOG RESOURCES, INC

Property Name:

Well Number

KZ 06/29/2018

Rec'd 7/20/2020



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Savage 2 State Com

#741H

OH

Design: OH

Midland PVA

08 November, 2019



Midland PVA

Company:	EOG Resources - Midland	
Project:	Lea County, NM (NAD 83 NME)	
Site:	Savage 2 State Com	
Well:	#741H	
Wellbore:	OH	
Design:	OH	

Local Co-ordinate Reference:	Well #741H
TVD Reference:	KB = 22' @ 3542.0usft
MD Reference:	KB = 22' @ 3542.0usft
North Reference:	Grid
Survey Calculation Method:	Minimum Curvature
Database:	EDM

Project	Lea County, NM (NAD 83 NME)
Map System:	US State Plane 1983
Geo Datum:	North American Datum 1983
Map Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level

Site	Savage 2 State Com
Site Position:	
From:	Map
Position Uncertainty:	0.0 usft
Northing:	424,469.00 usft
Easting:	751,845.00 usft
Slot Radius:	13-3/16 "
Latitude:	32° 9' 54.412 N
Longitude:	103° 39' 10.929 W
Grid Convergence:	0.36 °

Well	#741H
Well Position	+N/-S +E/-W
Position Uncertainty	0.0 usft 0.0 usft 0.0 usft
Northing:	424,548.00 usft
Easting:	753,188.00 usft
Wellhead Elevation:	usft
Latitude:	32° 9' 55.109 N
Longitude:	103° 38' 55.299 W
Ground Level:	3,520.0 usft

Wellbore	OH
Magnetics	Model Name
Sample Date	9/18/2019
Declination	(°)
Dip Angle	(°)
Field Strength	(nT)
IGRF2015	6.74
	59.97
	47,662.90667882

Design	OH
Audit Notes:	
Version:	1.0
Phase:	ACTUAL
Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)
+N/-S (usft)	0.0
+E/-W (usft)	0.0
Direction (°)	189.24

Survey Program	Date	11/8/2019
From (usft)	To (usft)	Survey (Wellbore)
184.0	17,681.0	Total MWD (OH)
	MWD	OWSG MWD - Standard



Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Savage 2 State Com
Well: #741H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference: KB = 22' @ 3542.0usft
MD Reference: KB = 22' @ 3542.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	D Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.00	0.0	0.0
184.0	0.60	157.90	184.0	-0.9	0.4	0.33	0.33	0.00	0.00	-1.0	0.0
340.0	0.90	156.20	340.0	-2.8	1.2	0.19	0.19	-1.09	-3.0	-0.1	-0.1
530.0	1.40	149.90	529.9	-6.1	2.9	0.27	0.26	-3.32	-6.8	-0.5	-0.5
720.0	3.30	275.00	719.8	-7.7	-1.4	2.24	1.00	65.84	-0.7	7.8	7.8
911.0	4.70	276.60	910.4	-6.3	-14.6	0.74	0.73	0.84	-13.8	8.0	8.0
965.0	5.70	278.90	964.2	-5.6	-19.5	1.89	1.85	4.26	-18.3	8.6	8.6
1,087.0	7.60	281.20	1,085.3	-3.1	-33.4	1.57	1.56	1.89	-32.1	9.6	9.6
1,277.0	7.30	280.40	1,273.7	1.5	-57.6	0.17	-0.16	-0.42	-51.5	8.9	8.9
1,468.0	7.50	284.00	1,463.1	6.7	-81.6	0.26	0.10	1.88	-57.3	11.6	11.6
1,658.0	7.70	285.30	1,651.5	13.1	-105.9	0.14	0.11	0.68	-53.5	10.5	10.5
1,849.0	7.00	287.30	1,840.9	19.9	-129.3	0.39	-0.37	1.05	-47.8	8.9	8.9
2,040.0	7.30	291.00	2,030.4	27.7	-151.8	0.29	0.16	1.94	-41.5	7.0	7.0
2,230.0	8.70	299.20	2,218.6	39.0	-175.6	0.95	0.74	4.32	-38.3	4.8	4.8
2,325.0	9.40	301.30	2,312.4	46.6	-188.5	0.81	0.74	2.21	-39.2	1.0	1.0
2,516.0	9.10	299.50	2,500.9	62.1	-215.0	0.22	-0.16	-0.94	-41.7	-10.7	-10.7
2,706.0	8.50	301.00	2,688.7	76.8	-240.1	0.34	-0.32	0.79	-42.7	-15.4	-15.4
2,897.0	7.70	300.90	2,877.8	90.6	-263.2	0.42	-0.42	-0.05	-39.5	-11.0	-11.0
3,088.0	9.40	302.70	3,066.6	105.6	-287.3	0.90	0.89	0.94	-37.8	-4.6	-4.6
3,183.0	10.30	303.30	3,160.2	114.4	-300.9	0.95	0.95	0.63	-38.9	-1.9	-1.9
3,374.0	8.10	297.20	3,348.8	130.0	-327.1	1.26	-1.15	-3.19	-39.2	-0.2	-0.2
3,564.0	9.00	307.40	3,536.7	145.1	-350.9	0.93	0.47	5.37	-36.1	11.3	11.3
3,659.0	8.30	323.30	3,630.6	155.1	-360.9	2.61	-0.74	16.74	-30.7	19.6	19.6
3,850.0	6.40	321.50	3,820.0	174.5	-375.7	1.00	-0.99	-0.94	-25.3	13.0	13.0
4,040.0	6.70	324.10	4,008.8	191.8	-388.8	0.22	0.16	1.37	-16.4	8.0	8.0
4,136.0	5.30	333.10	4,104.2	200.3	-394.1	1.75	-1.46	9.37	-10.5	5.7	5.7
4,326.0	7.40	330.00	4,293.1	218.7	-404.2	1.12	1.11	-1.63	-2.7	-5.0	-5.0



Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Savage 2 State Com
Well: #741H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference: Well #741H
MD Reference: KB = 22' @ 3542.0usft
North Reference: KB = 22' @ 3542.0usft
Survey Calculation Method: Grid
Database: Minimum Curvature EDM

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	4,422.0	8.20	332.50	4,388.2	230.1	-410.5	0.90	0.83	2.60	-1.4	-10.1
	4,612.0	2.80	340.50	4,577.2	246.5	-418.3	2.86	-2.84	4.21	5.9	-22.7
	4,803.0	4.20	329.00	4,767.9	256.9	-423.4	0.82	0.73	-6.02	28.2	-31.2
	4,993.0	6.60	307.90	4,957.0	269.6	-435.6	1.62	1.26	-11.11	50.7	-19.5
	5,183.0	7.10	303.90	5,145.7	282.9	-454.0	0.36	0.26	-2.11	59.7	-12.6
	5,374.0	7.30	304.40	5,335.2	296.3	-473.8	0.11	0.10	0.26	66.2	-9.1
	5,565.0	8.00	299.90	5,524.5	309.8	-495.3	0.48	0.37	-2.36	71.5	1.3
	5,660.0	8.10	298.20	5,618.5	316.2	-507.0	0.27	0.11	-1.79	73.0	6.8
	5,858.0	7.60	294.90	5,814.7	328.3	-531.1	0.34	-0.25	-1.67	76.1	19.3
	6,041.0	7.10	292.60	5,996.2	337.8	-552.6	0.32	-0.27	-1.26	79.8	31.4
	6,231.0	7.30	288.30	6,184.7	346.1	-574.9	0.30	0.11	-2.26	81.7	48.5
	6,422.0	7.40	287.10	6,374.1	353.5	-598.1	0.10	0.05	-0.63	84.3	62.7
	6,612.0	6.20	278.00	6,562.8	358.5	-620.0	0.85	-0.63	-4.79	76.6	90.2
	6,803.0	5.30	275.10	6,752.8	360.8	-639.0	0.50	-0.47	-1.52	76.2	110.9
	6,994.0	4.20	297.40	6,943.2	364.8	-654.0	1.11	-0.58	11.68	114.2	81.9
	7,184.0	1.70	307.10	7,132.9	369.7	-662.4	1.34	-1.32	5.11	121.1	63.1
	7,276.0	0.96	303.23	7,224.8	370.9	-664.1	0.82	-0.81	-4.21	114.5	71.0
Brushy Top(Savage 2 SC #741H)	7,375.0	0.20	265.10	7,323.9	371.3	-665.0	0.82	-0.76	-38.50	45.4	126.0
	7,565.0	0.20	214.00	7,513.9	371.0	-665.5	0.09	0.00	-26.89	-70.1	114.2
	7,756.0	0.60	215.30	7,704.9	369.9	-666.3	0.21	0.21	0.68	-68.8	115.8
	7,946.0	0.80	217.70	7,894.9	368.1	-667.7	0.11	0.11	1.26	-66.2	118.6
	8,137.0	1.40	229.00	8,085.8	365.5	-670.2	0.33	0.31	5.92	-45.3	129.5
	8,327.0	1.50	230.10	8,275.8	362.4	-673.9	0.05	0.05	0.58	-47.6	130.4
	8,515.0	1.90	230.00	8,463.7	358.8	-678.2	0.21	0.21	-0.05	-53.4	130.3
	8,709.0	2.30	216.60	8,657.5	353.6	-683.0	0.33	0.21	-6.91	-89.2	113.7
	8,804.0	2.50	215.40	8,752.5	350.4	-685.3	0.22	0.21	-1.26	-95.5	111.8



Midland PVA

Company: EOG Resources - Midland				Local Co-ordinate Reference: Well #741H						
Project: Lea County, NM (NAD 83 NME)				KB = 22' @ 3542.0usft						
Site: Savage 2 State Com				KB = 22' @ 3542.0usft						
Well: #741H				Grid						
Wellbore: OH				Minimum Curvature						
Design: OH				EDM						
Survey				Database:						
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
8,994.0	3.70	206.10	8,942.2	341.5	-690.4	0.68	0.63	-4.89	-122.5	94.3
9,185.0	1.40	304.90	9,133.0	337.3	-695.0	2.17	-1.20	51.73	110.4	112.8
9,281.0	1.90	343.50	9,229.0	339.5	-696.4	1.24	0.52	40.21	154.2	20.1
9,376.0	2.10	357.80	9,323.9	342.8	-697.0	0.56	0.21	15.05	151.1	-18.3
9,566.0	2.50	330.20	9,513.8	349.8	-699.1	0.61	0.21	-14.53	135.1	52.2
9,757.0	3.20	319.30	9,704.6	357.5	-704.7	0.46	0.37	-5.71	113.3	76.1
9,947.0	2.30	308.20	9,894.3	363.9	-711.1	0.55	-0.47	-5.84	87.6	95.4
10,042.0	3.00	330.50	9,989.2	367.2	-713.9	1.30	0.74	23.47	113.0	55.8
10,138.0	3.00	331.00	10,085.1	371.6	-716.3	0.03	0.00	0.52	108.4	54.8
10,233.0	3.30	332.30	10,180.0	376.2	-718.8	0.32	0.32	1.37	104.4	52.4
10,328.0	4.10	328.10	10,274.8	381.5	-721.9	0.89	0.84	-4.42	94.1	59.8
10,519.0	2.90	344.90	10,465.4	391.9	-726.7	0.82	-0.63	8.80	96.1	31.9
10,709.0	1.80	16.20	10,655.3	399.5	-727.2	0.87	-0.58	16.47	91.5	-20.2
10,804.0	3.00	0.80	10,750.2	403.4	-726.7	1.42	1.26	-16.21	89.7	4.5
10,899.0	2.80	13.90	10,845.1	408.1	-726.1	0.73	-0.21	13.79	83.6	-15.4
10,995.0	2.40	19.50	10,941.0	412.3	-724.9	0.49	-0.42	5.83	77.4	-23.3
11,090.0	2.00	15.70	11,035.9	415.8	-723.8	0.45	-0.42	-4.00	75.1	-18.3
11,185.0	1.80	27.00	11,130.8	418.7	-722.6	0.45	-0.21	11.89	67.0	-32.3
11,376.0	1.50	20.80	11,321.8	423.7	-720.4	0.18	-0.16	-3.25	64.6	-25.2
11,566.0	1.50	27.30	11,511.7	428.2	-718.4	0.09	0.00	3.42	56.3	-32.1
11,675.0	1.20	44.10	11,620.7	430.3	-716.9	0.45	-0.28	15.41	42.2	-46.6
11,769.0	1.50	10.10	11,714.6	432.2	-716.0	0.89	0.32	-36.17	59.0	-15.6
11,864.0	1.70	334.90	11,809.6	434.7	-716.4	1.04	0.21	-37.05	54.7	20.6
11,960.0	1.60	345.50	11,905.6	437.3	-717.3	0.33	-0.10	11.04	54.8	10.4
12,055.0	1.40	328.00	12,000.5	439.6	-718.3	0.52	-0.21	-18.42	46.7	26.0
12,245.0	1.60	298.20	12,190.5	442.8	-721.8	0.42	0.11	-15.68	23.0	44.6



Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NIME)
Site: Savage 2 State Com
Well: #741H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference: KB = 22' @ 3542.0usft
MD Reference: KB = 22' @ 3542.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,306.0	3.01	192.29	12,251.4	441.6	-722.9	6.18	2.31	-173.62	-50.6	9.0
KOP, MD:12306.0', TVD:12251.4', N/S:441.6', E/W:-722.9', INC:3.01										
12,340.0	5.00	182.40	12,285.3	439.3	-723.2	6.18	5.86	-29.10	-53.7	0.1
12,436.0	18.90	173.90	12,379.0	419.6	-721.7	14.56	14.48	-8.85	-61.8	-5.7
12,531.0	27.90	180.90	12,466.2	381.9	-720.4	9.90	9.47	7.37	-67.5	7.2
12,626.0	36.00	184.40	12,546.7	331.8	-722.9	8.74	8.53	3.68	-64.8	14.3
12,722.0	45.50	190.40	12,619.4	269.8	-731.3	10.69	9.90	6.25	-54.1	17.0
FTP(Savage 2 SC #741H)										
12,817.0	49.00	184.70	12,683.9	200.7	-740.3	5.74	3.68	-6.00	-35.0	13.2
12,912.0	62.90	185.40	12,736.9	122.5	-747.3	14.64	14.63	0.74	-10.1	15.0
13,007.0	79.30	185.50	12,767.6	33.4	-755.8	17.26	17.26	0.11	8.4	16.4
13,102.0	90.60	186.60	12,776.0	-60.6	-765.8	11.95	11.89	1.16	17.0	15.3
13,198.0	91.80	186.70	12,773.9	-155.9	-776.9	1.25	1.25	0.10	15.5	8.6
13,293.0	92.80	187.20	12,770.1	-250.2	-788.4	1.18	1.05	0.53	12.1	-2.8
13,388.0	90.90	185.20	12,767.1	-344.5	-798.6	2.90	-2.00	-2.11	9.6	-13.7
13,484.0	89.40	180.90	12,766.8	-440.4	-803.7	4.74	-1.56	-4.48	9.8	-19.5
13,579.0	89.60	179.40	12,767.6	-535.4	-804.0	1.59	0.21	-1.58	11.1	-20.5
13,674.0	90.40	179.90	12,767.6	-630.4	-803.4	0.99	0.84	0.53	11.6	-20.6
13,769.0	90.20	179.30	12,767.2	-725.4	-802.7	0.67	-0.21	-0.63	11.6	-20.6
13,865.0	89.90	179.10	12,767.1	-821.4	-801.4	0.38	-0.31	-0.21	12.0	-19.9
13,960.0	90.20	178.80	12,767.0	-916.3	-799.7	0.45	0.32	-0.32	12.4	-18.9
14,055.0	90.30	178.00	12,766.6	-1,011.3	-797.0	0.85	0.11	-0.84	12.5	-16.9
14,151.0	89.60	177.10	12,766.7	-1,107.2	-792.9	1.19	-0.73	-0.94	13.0	-13.5
14,245.0	89.80	176.40	12,767.1	-1,201.1	-787.6	0.77	0.21	-0.74	14.0	-8.8
14,341.0	89.50	176.30	12,767.7	-1,296.9	-781.5	0.33	-0.31	-0.10	15.1	-3.4
14,436.0	93.00	174.90	12,765.0	-1,423.4	-771.7	2.97	2.76	-1.10	13.0	5.4
14,531.0	93.40	175.10	12,761.4	-1,486.1	-766.2	0.71	0.63	0.32	9.8	10.4



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #741H
Project:	Lea County, NM (NAD 83 NIME)	TVD Reference:	KB = 22' @ 3542.0usft
Site:	Savage 2 State Com	MD Reference:	KB = 22' @ 3542.0usft
Well:	#741H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,626.0	95.30	180.40	12,754.2	-1,580.7	-762.5	5.91	2.00	5.58	3.0	13.5
14,665.4	94.60	180.91	12,750.8	-1,620.0	-762.9	2.05	-1.77	1.04	-0.2	12.8
TGT#1(Savage 2 SC #741H)										
14,722.0	93.60	181.40	12,746.8	-1,676.4	-764.0	2.05	-1.77	1.04	-3.9	11.3
14,817.0	89.40	181.00	12,744.3	-1,771.3	-766.0	4.44	-4.42	-0.42	-5.7	8.7
14,912.0	88.30	180.80	12,746.2	-1,866.3	-767.5	1.18	-1.16	-0.21	-3.2	6.5
15,007.0	88.30	181.10	12,749.0	-1,961.2	-769.1	0.32	0.00	0.32	0.2	4.2
15,103.0	88.20	181.10	12,752.0	-2,057.2	-770.9	0.10	-0.10	0.00	3.8	1.7
15,198.0	87.80	180.30	12,755.3	-2,152.1	-772.1	0.94	-0.42	-0.84	7.7	-0.2
15,293.0	89.40	179.50	12,757.6	-2,247.1	-771.9	1.88	1.68	-0.84	10.6	-0.7
15,389.0	90.00	179.10	12,758.1	-2,343.1	-770.7	0.75	0.62	-0.42	11.8	-0.2
15,484.0	87.80	175.40	12,759.9	-2,437.9	-766.2	4.53	-2.32	-3.89	14.2	3.7
15,579.0	90.90	176.10	12,761.0	-2,532.6	-759.1	3.35	3.26	0.74	15.9	10.0
15,674.0	91.30	176.50	12,759.2	-2,627.4	-753.0	0.60	0.42	0.42	14.7	15.4
15,770.0	93.40	178.50	12,755.2	-2,723.2	-748.8	3.02	2.19	2.08	11.4	19.0
15,865.0	92.00	177.50	12,750.8	-2,818.1	-745.5	1.81	-1.47	-1.05	7.5	21.6
15,960.0	93.30	179.70	12,746.4	-2,912.9	-743.2	2.89	1.37	2.32	3.7	23.2
16,055.0	93.10	177.70	12,741.1	-3,007.8	-741.0	2.11	-0.21	-2.11	-0.9	24.7
16,150.0	96.40	180.80	12,733.2	-3,102.4	-739.8	4.76	3.47	3.26	-8.3	25.2
16,218.1	91.64	182.86	12,728.4	-3,170.3	-742.0	7.60	-6.98	3.03	-12.6	22.6
TGT#2(Savage 2 SC #741H)										
16,246.0	89.70	183.70	12,728.1	-3,198.1	-743.6	7.60	-6.98	3.01	-12.7	20.8
16,341.0	91.50	185.90	12,727.1	-3,292.8	-751.5	2.99	1.89	2.32	-13.0	12.1
16,436.0	90.40	184.40	12,725.5	-3,387.4	-760.0	1.96	-1.16	-1.58	-13.7	2.9
16,531.0	87.20	181.50	12,727.5	-3,482.2	-764.9	4.55	-3.37	-3.05	-10.9	-2.6
16,626.0	94.60	183.00	12,726.0	-3,577.1	-768.7	7.95	7.79	1.58	-11.6	-7.1
16,721.0	90.80	183.70	12,721.5	-3,671.8	-774.2	4.07	-4.00	0.74	-15.3	-13.3



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #741H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3542.0usft
Site:	Savage 2 State Com	MD Reference:	KB = 22' @ 3542.0usft
Well:	#741H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
16,756.0	87.60	183.60	12,722.0	-3,706.7	-776.4	9.15	-9.14	-0.29	-14.6	-15.7
16,817.0	88.30	184.10	12,724.2	-3,767.5	-780.5	1.41	1.15	0.82	-11.9	-20.2
16,912.0	87.40	181.70	12,727.8	-3,862.3	-785.3	2.70	-0.95	-2.53	-7.6	-25.8
17,007.0	85.60	180.10	12,733.6	-3,957.1	-786.8	2.53	-1.89	-1.68	-1.0	-27.9
17,111.0	87.30	179.40	12,740.0	-4,060.9	-786.4	1.77	1.63	-0.67	6.3	-28.2
17,206.0	89.60	178.70	12,742.6	-4,155.9	-784.8	2.53	2.42	-0.74	9.7	-27.3
17,301.0	90.80	178.60	12,742.3	-4,250.8	-782.5	1.27	1.26	-0.11	10.1	-25.8
17,397.0	91.30	179.20	12,740.5	-4,346.8	-780.7	0.81	0.52	0.62	9.1	-24.6
17,492.0	90.90	178.40	12,738.7	-4,441.8	-778.7	0.94	-0.42	-0.84	8.1	-23.3
17,587.0	91.80	178.80	12,736.4	-4,536.7	-776.4	1.04	0.95	0.42	6.6	-21.7
17,628.0	91.20	178.10	12,735.4	-4,577.7	-775.3	2.25	-1.46	-1.71	5.9	-20.9
Last MWD Survey (MD=17628.0')										
17,681.0	91.20	178.10	12,734.3	-4,630.6	-773.5	0.00	0.00	0.00	5.2	-19.5
Projection to Bit (MD=17681.0') - PBHL(Savage 2 SC #741H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,306.0	12,251.4	441.6	-722.9	KOP, MD=12306.0', TVD=12251.4', N/S=441.6', E/W=-722.9', INC=3.01
17,628.0	12,735.4	-4,577.7	-775.3	Last MWD Survey (MD=17628.0')
17,681.0	12,734.3	-4,630.6	-773.5	Projection to Bit (MD=17681.0')

Checked By:	Approved By:	Date:
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I certify that this survey is true and correct to the best of my belief and knowledge
Ray Maddox 7/15/2020



Lea County, NM (NAD 83 NME)

Savage 2 State Com #741H

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #741H

KB = 22' @ 3542.0usft 3520.0
Northing 424548.00 Easting 763188.00 Latitude 32° 5' 55.109 N Longitude 103° 38' 55.289 W



Azimuths to Grid North
True North: -0.36°
Magnetic North: 8.38°

Magnetic Field
Strength: 47682.8nT
Dip Angle: 69.97°
Date: 9/19/2018
Model: IGRF2018

To convert a Magnetic Direction to a Grid Direction, Add 0.36°
To convert a Magnetic Direction to a True Direction, Add 8.74° East
To convert a True Direction to a Grid Direction, Subtract 0.36°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	1550.0	9.00	280.00	1548.2	8.1	-34.7	2.00	280.00	-0.5	
4	2550.0	9.00	280.00	2535.8	33.3	-168.8	0.00	0.00	-2.5	
5	2798.4	9.26	311.85	2781.2	50.0	-222.9	2.00	102.69	-13.5	
6	6706.9	9.26	311.85	6638.8	488.2	-693.1	0.00	0.00	-350.8	
7	7170.2	0.00	0.00	7100.0	493.0	-721.0	2.00	180.00	-370.8	
8	12352.1	0.00	0.00	12281.9	493.0	-721.0	0.00	0.00	-370.8	
9	13104.5	90.29	186.36	12759.4	16.1	-774.2	12.00	186.36	108.5	
10	13330.2	90.29	179.59	12758.2	-209.2	-785.9	3.00	-89.96	332.7	TGT#1(Savage 2 SC #741H)
11	14740.8	90.29	179.59	12751.0	-1619.6	-775.7	0.00	0.00	1723.4	TGT#2(Savage 2 SC #741H)
12	14744.7	90.37	179.59	12751.0	-1623.6	-775.7	2.00	-2.06	1727.2	
13	16291.2	90.37	179.59	12741.0	-3170.1	-764.6	0.00	0.00	3251.7	
14	16296.2	90.47	179.59	12741.0	-3175.1	-764.5	2.00	0.00	3256.7	
15	17754.2	90.47	179.59	12720.0	-4833.0	-754.0	0.00	0.00	4694.0	PBHL(Savage 2 SC #741H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Brushy Top(Savage 2 SC #741H)	7223.0	493.0	-721.0	425041.05	762467.00
PBHL(Savage 2 SC #741H)	12720.0	-4633.0	-764.0	419916.00	762434.00
TGT#2(Savage 2 SC #741H)	12741.0	-3170.1	-764.6	421377.90	762423.44
TGT#1(Savage 2 SC #741H)	12761.0	-1619.6	-775.7	422928.20	762412.25
FTP(Savage 2 SC #741H)	12761.0	443.0	-791.0	424991.00	762337.00

