

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

State of New Mexico
Energy, Minerals & Natural Resources

NMOCD Rec'd 9/24/2020

Form C-104

Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702		² OGRID Number 7377
		³ Reason for Filing Code/ Effective Date NW 09/07/2020
⁴ API Number 30-025-46278	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 325165	⁸ Property Name QUAIL 2 STATE COM	⁹ Well Number 768H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	2	26S	30E		485'	NORTH	273'	WEST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	26S	30E		572'	SOUTH	498'	WEST	EDDY
¹² Lse Code S	¹³ Producing Method Code FLOWING	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372812	EOGRM	OIL
151618	ENTERPRISE FIELD SERVICES	GAS
298751	REGENCY FIELD SERVICES	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
10/27/2019	09/07/2020	16,483'	16,426'	12,063 - 16,426'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4"	9 5/8"	1173'	600 SXS CL C TOC 0		
8 3/4"	7 5/8"	10,533'	1775 SXS CL C & H TOC 0		
6 3/4"	5 1/2"	16,483'	570 SXS CL H TOC 7410' CBL		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
09/07/2020	09/07/2020	09/13/2020	24 HRS		3600
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
34	731	4923	7318		

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:



Printed name:

Kay Maddox

Title:

SENIOR REGULATORY SPECIALIST

E-mail Address:

kay_maddox@eogresources.com

Date:

09/21/2020

Phone:

432-638-8475

OIL CONSERVATION DIVISION

Approved by:



Title:

BUSINESS OP. SPEC.

Approval Date:

01/07/2021

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

NMOCD Rec'd: 9/24/2020

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

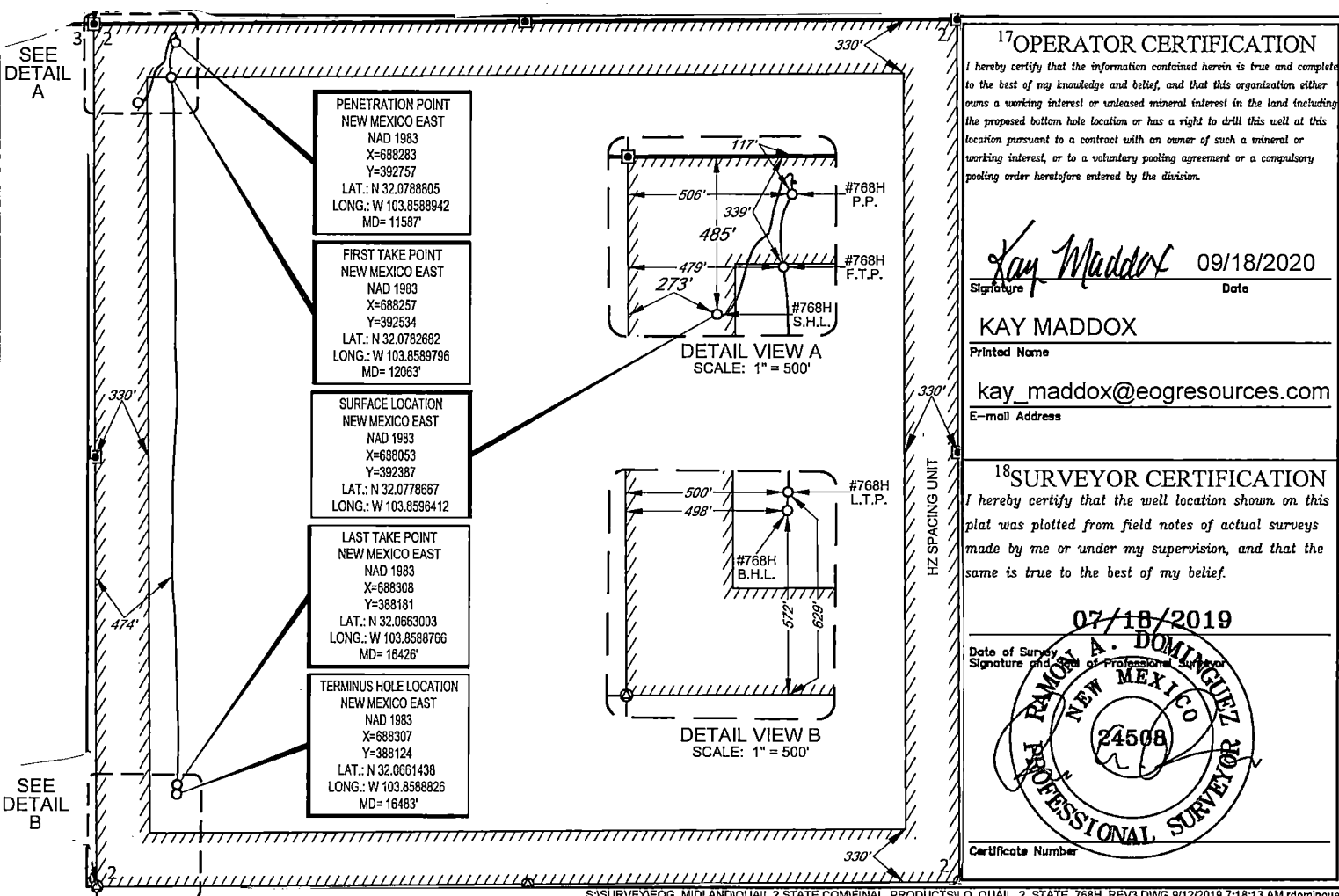
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46278		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)					
⁴ Property Code 325165		⁵ Property Name QUAIL 2 STATE COM						⁶ Well Number 768H	
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.						⁹ Elevation 3207'	
¹⁰ Surface Location									
UL or lot no. D	Section 2	Township 26-S	Range 30-E	Lot Idn -	Feet from the 485'	North/South line NORTH	Feet from the 273'	East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. M	Section 2	Township 26-S	Range 30-E	Lot Idn -	Feet from the 572'	North/South line SOUTH	Feet from the 498'	East/West line WEST	County EDDY
¹² Dedicated Acres 640.00		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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 ☒ XXX

API # 30-025-46278		
Operator Name: EOG RESOURCES, INC	Property Name: QUAIL 2 STATE COM	Well Number 768H

Kick Off Point (KOP)

UL D	Section 2	Township 26S	Range 30E	Lot	Feet 117	From N/S NORTH	Feet 506	From E/W WEST	County EDDY
Latitude 32.0788805					Longitude 103.8588942			NAD 1983	

First Take Point (FTP)

UL D	Section 2	Township 26S	Range 30E	Lot	Feet 339	From N/S NORTH	Feet 479	From E/W WEST	County EDDY
Latitude 32.0782682					Longitude 103.8589796			NAD 1983	

Last Take Point (LTP)

UL M	Section 2	Township 26S	Range 30E	Lot	Feet 629	From N/S SOUTH	Feet 500	From E/W WEST	County EDDY
Latitude 32.0663003					Longitude 103.8588766			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit? ☐ NOIs this well an infill well? ☐ YES

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

API # 30-025-45793		
Operator Name: EOG RESOURCES, INC	Property Name: QUAIL 2 STATE COM	Well Number #707H

KZ 06/29/2018



EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Quail 2 State Com

#768H

OH

Design: OH

Final PVA Report

04 December, 2019



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #768H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3229.0usft (Nabors M7502)
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3229.0usft (Nabors M7502)
Well:	#768H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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

Site	Quail 2 State Com		
Site Position:		Northing:	392,709.00 usft
From:	Map	Easting:	692,792.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 43.295 N
		Longitude:	103° 50' 39.610 W
		Grid Convergence:	0.26 °

Well	#768H					
Well Position	+N/-S	0.0 usft	Northing:	392,387.00 usft	Latitude:	32° 4' 40.318 N
	+E/-W	0.0 usft	Easting:	688,053.00 usft	Longitude:	103° 51' 34.707 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,207.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/27/2019	6.84	59.85	47,597.52488185

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.0	0.0	0.0	176.73	

Survey Program		Date	12/4/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
127.0	16,483.0	DnITech MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1	



Final PVA Report

Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Quail 2 State Com
 Well: #768H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #768H
 TVD Reference: KB = 22' @ 3229.0usft (Nabors M7502)
 MD Reference: KB = 22' @ 3229.0usft (Nabors M7502)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
127.0	0.26	172.97	127.0	-0.3	0.0	0.20	0.20	0.00	-0.3	0.0
219.0	0.35	192.53	219.0	-0.8	0.0	0.15	0.10	21.26	-0.7	0.2
404.0	0.53	251.59	404.0	-1.6	-0.9	0.25	0.10	31.92	-1.4	1.2
589.0	0.70	203.61	589.0	-2.9	-2.2	0.28	0.09	-25.94	-3.5	-0.9
779.0	0.44	208.62	779.0	-4.6	-3.0	0.14	-0.14	2.64	-5.5	-0.4
969.0	1.32	104.55	969.0	-5.8	-1.2	0.78	0.46	-54.77	-0.2	-5.9
1,065.0	2.29	97.26	1,064.9	-6.3	1.7	1.04	1.01	-7.59	-2.5	-6.0
1,264.0	4.66	75.28	1,263.5	-4.8	13.5	1.35	1.19	-11.05	-11.4	-8.6
1,455.0	7.30	57.43	1,453.5	3.7	31.2	1.67	1.38	-9.35	-18.5	-19.4
1,645.0	8.97	27.39	1,641.7	23.4	48.2	2.37	0.88	-15.81	-10.2	-32.1
1,836.0	8.53	24.05	1,830.4	49.6	60.8	0.35	-0.23	-1.75	-14.2	-32.2
2,026.0	9.32	19.21	2,018.1	77.0	71.7	0.57	0.42	-2.55	-18.0	-31.3
2,217.0	10.11	11.65	2,206.4	108.0	80.1	0.78	0.41	-3.96	-23.5	-29.1
2,408.0	8.09	16.93	2,395.0	137.3	87.4	1.14	-1.06	2.76	-33.4	-21.2
2,599.0	6.95	21.06	2,584.4	160.9	95.5	0.66	-0.60	2.16	-36.7	-15.2
2,789.0	6.24	19.92	2,773.1	181.3	103.1	0.38	-0.37	-0.60	-35.2	-13.2
2,980.0	5.19	19.74	2,963.1	199.2	109.6	0.55	-0.55	-0.09	-31.1	-10.4
3,171.0	5.36	45.23	3,153.4	213.7	118.8	1.22	0.09	13.35	-27.1	0.5
3,362.0	6.33	34.59	3,343.4	228.6	131.2	0.76	0.51	-5.57	-22.9	-9.1
3,552.0	5.89	75.90	3,532.4	239.6	146.6	2.28	-0.23	21.74	-25.5	-2.3
3,742.0	6.16	19.92	3,721.5	251.6	159.5	2.97	0.14	-29.46	-5.2	-27.5
3,933.0	5.19	11.57	3,911.5	269.7	164.7	0.67	-0.51	-4.37	2.5	-23.2
4,124.0	5.10	11.04	4,101.8	286.5	168.1	0.05	-0.05	-0.28	8.0	-16.8
4,314.0	5.19	4.01	4,291.0	303.3	170.3	0.33	0.05	-3.70	14.3	-7.6
4,505.0	8.09	18.68	4,480.7	324.7	175.2	1.75	1.52	7.68	13.1	-5.3
4,696.0	7.12	16.40	4,670.0	348.8	182.9	0.53	-0.51	-1.19	10.9	-0.9



Final PVA Report

Company:	Eog Resources - Midland	Local Co-ordinate Reference:	Well #768H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3229.0usft (Nabors M7502)
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3229.0usft (Nabors M7502)
Well:	#768H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,886.0	5.54	16.75	4,858.9	368.9	188.8	0.83	-0.83	0.18	12.7	3.3	
5,077.0	5.01	16.58	5,049.1	385.7	193.9	0.28	-0.28	-0.09	18.0	7.6	
5,268.0	4.66	14.03	5,239.4	401.2	198.1	0.21	-0.18	-1.34	24.1	13.3	
5,459.0	3.08	41.71	5,430.0	412.6	203.4	1.26	-0.83	14.49	29.9	0.5	
5,649.0	2.37	43.29	5,619.7	419.2	209.5	0.38	-0.37	0.83	23.6	-0.9	
5,840.0	2.37	44.61	5,810.6	424.9	215.0	0.03	0.00	0.69	15.6	-1.4	
6,031.0	1.58	49.45	6,001.5	429.4	219.8	0.42	-0.41	2.53	8.9	-2.4	
6,221.0	0.97	69.31	6,191.4	431.7	223.3	0.39	-0.32	10.45	3.5	-4.3	
6,412.0	0.70	112.01	6,382.4	431.8	225.9	0.34	-0.14	22.36	-2.7	-4.5	
6,602.0	0.70	128.63	6,572.4	430.7	227.8	0.11	0.00	8.75	-6.2	-3.2	
6,793.0	0.53	125.46	6,763.4	429.4	229.5	0.09	-0.09	-1.66	-8.0	-3.6	
6,984.0	0.62	161.23	6,954.4	427.9	230.5	0.19	0.05	18.73	-10.3	2.3	
7,174.0	0.70	174.68	7,144.4	425.8	231.0	0.09	0.04	7.08	-11.7	4.9	
7,365.0	1.23	175.47	7,335.3	422.6	231.2	0.28	0.28	0.41	-14.8	5.1	
7,556.0	1.14	193.31	7,526.3	418.7	231.0	0.20	-0.05	9.34	-16.4	10.0	
7,746.0	1.23	189.79	7,716.2	414.9	230.2	0.06	0.05	-1.85	-20.9	8.9	
7,937.0	1.58	192.96	7,907.2	410.3	229.2	0.19	0.18	1.66	-25.1	10.1	
8,128.0	0.09	111.57	8,098.2	407.7	228.8	0.82	-0.78	-42.61	-14.3	-25.9	
8,319.0	0.26	358.81	8,289.2	408.0	228.9	0.16	0.09	-59.04	29.0	-3.3	
8,509.0	1.06	148.84	8,479.2	407.0	229.8	0.68	0.42	78.96	-28.2	-11.4	
8,703.0	1.41	66.58	8,673.1	406.4	232.9	0.85	0.18	-42.40	4.9	-31.3	
8,894.0	0.26	66.22	8,864.1	407.5	235.5	0.60	-0.60	-0.19	2.3	-31.2	
9,085.0	0.79	339.48	9,055.1	408.9	235.4	0.43	0.28	-45.41	30.0	0.1	
9,276.0	1.14	71.41	9,246.1	410.7	236.8	0.74	0.18	48.13	-2.8	-28.6	
9,466.0	1.85	143.66	9,436.0	408.9	240.4	0.98	0.37	38.03	-31.8	-4.3	
9,654.0	0.35	144.36	9,624.0	406.0	242.5	0.80	-0.80	0.37	-35.4	-3.9	
9,845.0	0.44	30.19	9,815.0	406.1	243.2	0.35	0.05	-59.77	17.5	-31.3	



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #768H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3229.0usft (Nabors M7502)
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3229.0usft (Nabors M7502)
Well:	#768H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey	MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	10,036.0	1.49	249.65	10,006.0	405.9	241.3	0.97	0.55	-73.58	4.4	34.8
	10,226.0	1.93	259.06	10,195.9	404.4	235.8	0.27	0.23	4.95	4.4	34.0
	10,417.0	1.32	245.26	10,386.8	402.9	230.6	0.38	-0.32	-7.23	-9.1	33.3
	10,472.0	0.79	257.65	10,441.8	402.5	229.7	1.04	-0.96	22.53	-2.8	34.7
	10,630.0	0.62	164.49	10,599.8	401.5	228.9	0.65	-0.11	-58.96	-35.3	-5.8
	10,821.0	1.58	181.62	10,790.7	397.9	229.1	0.53	0.50	8.97	-39.0	5.2
	11,011.0	2.11	171.69	10,980.6	391.8	229.5	0.32	0.28	-5.23	-45.4	-2.1
	11,202.0	2.73	166.51	11,171.5	383.9	231.1	0.34	0.32	-2.71	-53.1	-6.5
	11,393.0	2.20	177.58	11,362.3	375.8	232.3	0.37	-0.28	5.80	-61.5	4.7
	11,486.3	1.85	203.91	11,455.5	372.6	231.7	1.05	-0.37	28.24	-56.1	32.3
KOP (Quail 2 State #768H)											
	11,528.0	1.85	217.57	11,497.2	371.5	231.1	1.05	0.00	32.72	-46.8	43.5
	11,583.0	2.02	219.25	11,552.2	370.0	229.9	0.33	0.31	3.05	-40.6	39.2
	11,630.0	4.75	215.38	11,599.1	367.8	228.3	5.83	5.81	-8.23	-35.5	28.3
	11,678.0	10.55	198.77	11,646.7	362.0	225.7	12.81	12.08	-34.60	-31.1	10.3
	11,725.0	15.65	203.87	11,692.4	352.1	221.7	11.12	10.85	10.85	-20.0	3.7
	11,773.0	18.82	206.42	11,738.3	339.3	215.7	6.79	6.60	5.31	-8.7	-7.0
	11,825.0	21.54	205.71	11,787.1	323.2	207.8	5.25	5.23	-1.37	4.5	-21.9
	11,870.0	31.48	192.00	11,827.3	304.2	201.7	25.81	22.09	-30.47	23.3	-28.8
	11,917.0	45.02	186.47	11,864.2	275.5	197.3	29.69	28.81	-11.77	35.2	-31.7
	11,965.0	57.42	180.66	11,894.2	238.2	195.1	27.48	25.83	-12.10	40.4	-31.5
	12,012.0	70.17	173.28	11,914.9	196.3	197.5	30.54	27.13	-15.70	38.9	-27.3
	12,054.0	75.71	171.43	11,927.2	156.5	202.9	13.84	13.18	-4.41	33.1	-22.4
HL Crossing, MD:12054.0', TVD:11927.2', N/S:156.5', E/W:202.9', INC:75.71											
	12,058.4	76.29	171.24	11,928.3	152.3	203.5	13.84	13.21	-4.28	32.4	-21.8
FTP (Quail 2 State #768H)											
	12,060.0	76.50	171.17	11,928.7	150.7	203.7	13.84	13.21	-4.27	32.2	-21.6



Final PVA Report

Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Quail 2 State Com
 Well: #768H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #768H
 TVD Reference: KB = 22' @ 3229.0usft (Nabors M7502)
 MD Reference: KB = 22' @ 3229.0usft (Nabors M7502)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,107.0	81.25	172.67	11,937.7	105.1	210.2	10.58	10.11	3.19	24.9	-16.2
12,156.0	82.39	175.04	11,944.7	56.9	215.4	5.32	2.33	4.84	19.6	-11.8
12,203.0	82.92	177.68	11,950.7	10.4	218.4	5.68	1.13	5.62	18.4	-9.3
12,251.0	83.19	178.20	11,956.5	-37.3	220.1	1.21	0.56	1.08	21.6	-8.0
12,346.0	83.45	178.03	11,967.6	-131.6	223.2	0.33	0.27	-0.18	32.8	-5.5
12,442.0	84.42	179.00	11,977.7	-227.0	225.7	1.42	1.01	1.01	43.2	-3.7
12,537.0	85.47	180.49	11,986.1	-321.6	226.1	1.91	1.11	1.57	51.7	-3.8
12,632.0	88.11	179.61	11,991.4	-416.5	226.0	2.93	2.78	-0.93	57.3	-4.5
12,692.4	89.49	179.39	11,992.7	-476.6	226.5	2.32	2.29	-0.36	58.7	-4.4
TGT 1 (Quail 2 State #768H)										
12,728.0	90.31	179.26	11,992.7	-512.4	226.9	2.32	2.29	-0.36	59.0	-4.2
12,823.0	92.68	179.00	11,990.3	-607.4	228.4	2.51	2.49	-0.27	57.3	-3.4
12,919.0	91.98	179.96	11,986.4	-703.3	229.3	1.24	-0.73	1.00	54.2	-3.1
13,014.0	93.12	181.72	11,982.1	-798.2	227.9	2.21	1.20	1.85	50.8	-5.1
13,110.0	87.23	178.38	11,981.8	-894.1	227.8	7.05	-6.14	-3.48	51.3	-5.8
13,205.0	86.17	176.71	11,987.3	-988.9	231.8	2.08	-1.12	-1.76	57.6	-2.4
13,300.0	88.11	178.47	11,992.0	-1,083.7	235.8	2.76	2.04	1.85	63.2	1.0
13,396.0	89.69	179.26	11,993.9	-1,179.6	237.7	1.84	1.65	0.82	65.8	2.3
13,491.0	92.33	183.21	11,992.2	-1,274.6	235.7	5.00	2.78	4.16	65.0	-0.3
13,586.0	92.07	178.64	11,988.6	-1,369.5	234.2	4.81	-0.27	-4.81	62.1	-2.5
13,681.0	91.63	180.66	11,985.5	-1,464.4	234.7	2.18	-0.46	2.13	59.9	-2.6
13,777.0	87.58	176.18	11,986.2	-1,560.3	237.4	6.29	-4.22	-4.67	61.3	-0.6
13,872.0	92.15	177.41	11,986.4	-1,655.2	242.7	4.98	4.81	1.29	62.4	4.1
13,968.0	88.90	177.68	11,985.5	-1,751.1	246.8	3.40	-3.39	0.28	62.3	7.6
14,063.0	93.56	181.37	11,983.5	-1,846.0	247.6	6.26	4.91	3.88	61.1	7.9
14,158.0	87.58	184.27	11,982.5	-1,940.8	242.9	7.00	-6.29	3.05	60.9	2.6
14,254.0	88.72	182.16	11,985.6	-2,036.6	237.5	2.50	1.19	-2.20	64.9	-3.4



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #768H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3229.0usft (Nabors M7502)
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3229.0usft (Nabors M7502)
Well:	#768H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,349.0	90.57	183.57	11,986.2	-2,131.5	232.8	2.45	1.95	1.48	66.3	-8.8
14,444.0	93.56	181.63	11,982.8	-2,226.3	228.5	3.75	3.15	-2.04	63.6	-13.7
14,539.0	92.77	182.33	11,977.5	-2,321.1	225.2	1.11	-0.83	0.74	59.2	-17.6
14,635.0	91.19	179.52	11,974.2	-2,417.0	223.7	3.36	-1.65	-2.93	56.7	-19.8
14,731.0	89.78	178.56	11,973.4	-2,513.0	225.3	1.78	-1.47	-1.00	56.7	-18.8
14,826.0	86.70	181.46	11,976.3	-2,607.9	225.3	4.45	-3.24	3.05	60.4	-19.5
14,921.0	84.50	181.72	11,983.6	-2,702.6	222.6	2.33	-2.32	0.27	68.5	-22.8
15,017.0	91.10	180.84	11,987.3	-2,798.5	220.5	6.94	6.87	-0.92	73.0	-25.4
15,112.0	93.47	179.43	11,983.5	-2,893.4	220.3	2.90	2.49	-1.48	70.1	-26.3
15,207.0	92.15	175.83	11,978.8	-2,988.2	224.2	4.03	-1.39	-3.79	66.2	-23.0
15,303.0	89.52	173.90	11,977.4	-3,083.8	232.8	3.40	-2.74	-2.01	65.6	-15.0
15,398.0	88.46	177.32	11,979.1	-3,178.4	240.0	3.77	-1.12	3.80	68.1	-8.4
15,493.0	88.37	178.02	11,981.8	-3,273.3	243.9	0.74	-0.09	0.74	71.6	-5.1
15,516.2	89.24	178.30	11,982.2	-3,296.5	244.7	3.94	3.76	1.19	72.2	-4.5
TGT 2 (Quail 2 State #768H)										
15,589.0	91.98	179.16	11,981.5	-3,369.3	246.3	3.94	3.76	1.19	72.8	-3.4
15,684.0	93.21	177.93	11,977.2	-3,464.1	248.7	1.83	1.29	-1.29	70.5	-1.6
15,779.0	93.47	179.42	11,971.6	-3,559.0	250.9	1.59	0.27	1.57	66.9	0.0
15,875.0	89.34	178.90	11,969.3	-3,654.9	252.3	4.34	-4.30	-0.54	66.6	0.8
15,970.0	90.40	176.08	11,969.5	-3,749.8	256.4	3.17	1.12	-2.97	68.8	4.3
16,066.0	92.07	178.11	11,967.4	-3,845.6	261.3	2.74	1.74	2.11	68.7	8.6
16,161.0	85.30	181.09	11,969.6	-3,940.5	262.0	7.79	-7.13	3.14	72.9	8.7
16,256.0	85.74	181.36	11,977.0	-4,035.2	259.9	0.54	0.46	0.28	82.3	6.1
16,352.0	87.93	181.62	11,982.3	-4,131.1	257.5	2.30	2.28	0.27	89.6	3.0
Final MWD Survey (MD=16352.0')										
16,483.0	87.93	181.62	11,987.0	-4,261.9	253.8	0.00	0.00	0.00	97.1	-1.6
Final Projection to Bit (MD=16483.0') - PBHL (Quail 2 State #768H)										



Final PVA Report

Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Quail 2 State Com
 Well: #768H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #768H
 TVD Reference: KB = 22' @ 3229.0usft (Nabors M7502)
 MD Reference: KB = 22' @ 3229.0usft (Nabors M7502)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,054.0	11,927.2	156.5	202.9	HL Crossing, MD:12054.0', TVD:11927.2', N/S:156.5', E/W:202.9', INC:75.71
16,352.0	11,982.3	-4,131.1	257.5	Final MWD Survey (MD=16352.0')
16,483.0	11,987.0	-4,261.9	253.8	Final Projection to Bit (MD=16483.0')

Checked By: _____

Approved By: _____

Date: _____

I certify this survey to be true and correct to the best of my belief and knowledge.

Kay Maddox
 Signed

9/18/20
 Date



Eddy County, NM (NAD 83 NME)

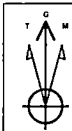
Quail 2 State Com #768H

Nabors M7502

Plan #1

PROJECT DETAILS: Eddy 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



Azimuths to Grid North
True North: -0.25°
Magnetic North: 6.59°

Magnetic Field
Strength: 47597.5nT
Dip Angle: 59.85°
Date: 6/27/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.59°
To convert a Magnetic Direction to a True Direction, Add 6.84° East
To convert a True Direction to a Grid Direction, Subtract 6.25°

WELL DETAILS: #768H

KB = 22' @ 3229.6usft (Nabors M7502) 3207.0
Northing 392387.00 Easting 688053.00 Latitude 32° 4' 40.318 N Longitude 103° 51' 34.707 W

SECTION DETAILS

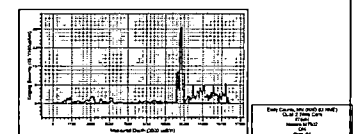
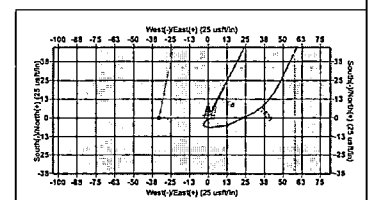
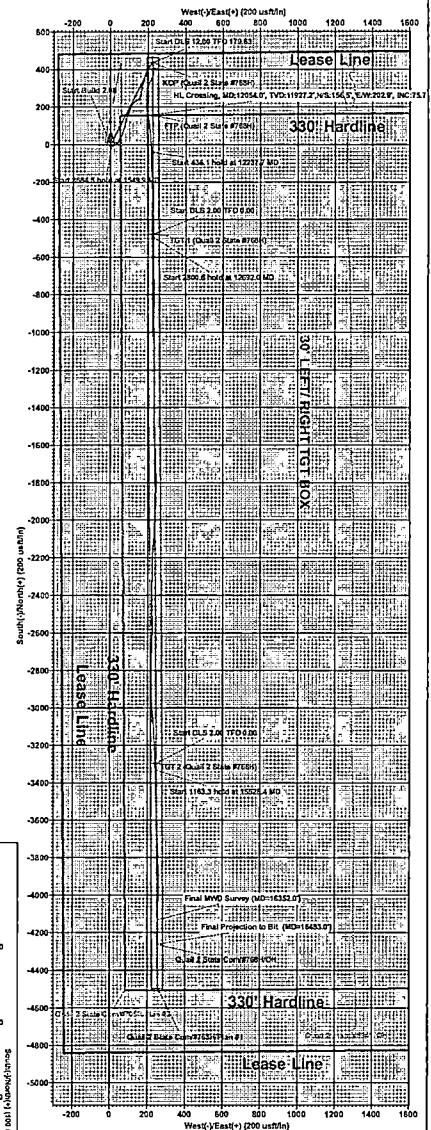
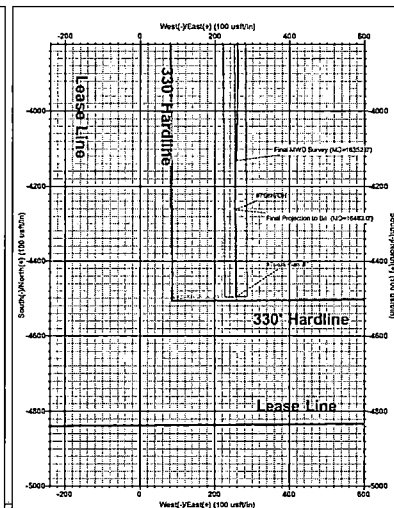
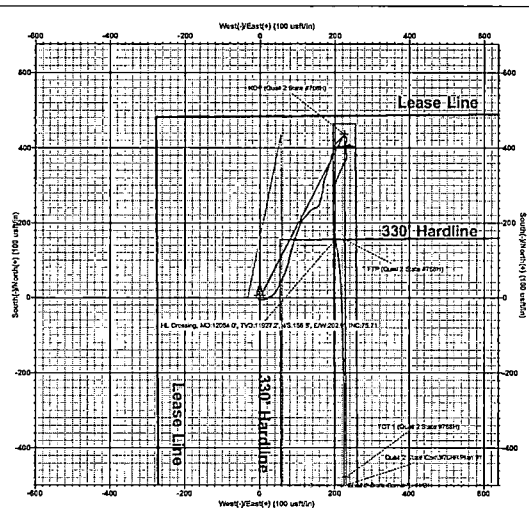
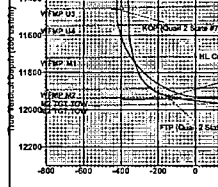
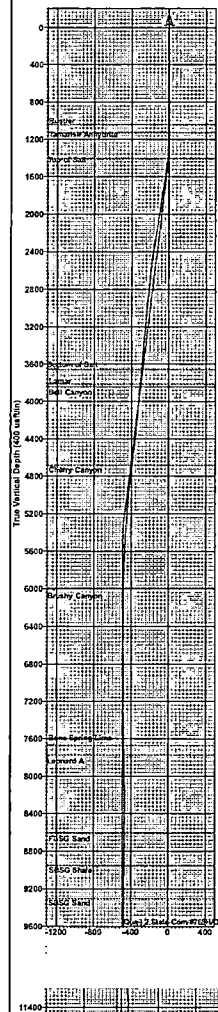
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1549.9	7.00	27.24	1549.0	19.0	9.8	2.00	27.24	-18.4	
4	5234.3	7.00	27.24	5206.0	418.0	215.2	0.00	0.00	-405.1	
5	5584.2	0.00	0.00	5555.0	437.0	225.0	2.00	180.00	-423.4	
6	11486.7	0.00	0.00	11457.5	437.0	225.0	0.00	0.00	-423.4	KOP (Quail 2 State #768H)
7	12237.7	90.13	179.63	11935.0	-41.5	228.1	12.00	179.63	54.5	
8	12673.8	90.13	179.63	11934.0	-477.6	230.9	0.00	0.00	490.0	TGT 1 (Quail 2 State #768H)
9	12692.0	90.49	179.63	11933.9	-495.7	231.0	2.00	0.00	508.1	
10	15492.6	90.49	179.63	11910.0	-3296.2	249.1	0.00	0.00	3305.0	TGT 2 (Quail 2 State #768H)
11	15528.4	91.21	179.63	11909.5	-3332.0	249.4	2.00	0.00	3340.8	
12	16691.7	91.21	179.63	11885.0	-4495.0	256.9	0.00	0.00	4502.3	PBHL (Quail 2 State #768H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (Quail 2 State #768H)	11457.5	437.0	225.0	392624.00	688278.00
TGT 1 (Quail 2 State #768H)	11934.0	-477.6	230.9	391990.40	688263.92
TGT 2 (Quail 2 State #768H)	11910.0	-3296.2	249.1	389920.80	688302.15
PBHL (Quail 2 State #768H)	11885.0	-4495.0	256.9	387932.00	688309.50
FTP (Quail 2 State #768H)	11934.0	127.0	225.0	392544.00	688278.00



NMOCD Rec'd: 9/24/2020

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised August 1, 2011		
		1. WELL API NO.			30-015-46278		
		2. Type of Lease			☒ STATE ☐ FEE ☐ FED/INDIAN		
		3. State Oil & Gas Lease No.					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG							
4. Reason for filing:				5. Lease Name or Unit Agreement Name			
☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)				QUAIL 2 STATE COM			
7. Type of Completion:				6. Well Number:			
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER				768H			
8. Name of Operator				9. OGRID			
EOG RESOURCES INC				7377			
10. Address of Operator				11. Pool name or Wildcat			
PO BOX 2267 MIDLAND, TEXAS 79702				PURPLE SAGE; WOLFCAMP (GAS)			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	
Surface:	D	2	26S	30E		485	
BH:	M	2	26S	30E		572	
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released		16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)	
10/27/2019	11/22/2019	11/24/2019		09/07/2020		3207'GR	
18. Total Measured Depth of Well		19. Plug Back Measured Depth		20. Was Directional Survey Made?		21. Type Electric and Other Logs Run	
MD 16,483' TVD 11,987'		MD 16,426' TVD 11,987'		YES		None	
22. Producing Interval(s), of this completion - Top, Bottom, Name							
WOLFCAMP 12,063 - 16,426'							
CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE	
9 5/8"		40# J-55		1,173'		12 1/4"	
7 5/8"		29.7# ECP 110		10,533'		8 3/4"	
5 1/2"		20# HCP 110		16,483'		6 3/4"	
24. LINER RECORD							
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN			
25. TUBING RECORD							
SIZE	DEPTH SET		PACKER SET				
26. Perforation record (interval, size, and number)							
12,063 - 16,426' 3 1/8", 840 HOLES							
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.							
DEPTH INTERVAL			AMOUNT AND KIND MATERIAL USED				
12,063 - 16,426'			FRAC W/10,872,100 lbs proppant, 189,784 bbls load fld				
28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)		
09/07/2020		Flowing			Producing		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	
09/13/2020	24	34		731	7318	4923	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
	3600					49	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						30. Test Witnessed By	
SOLD							
31. List Attachments							
C-102, C-104, C-103, Directional Survey, H spacing, Gas Capture							
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							
33. If an on-site burial was used at the well, report the exact location of the on-site burial:							
Latitude			Longitude			NAD 1927 1983	
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief							
Signature		Printed Name		Title		Date	
		Kay Maddox		Senior Regulatory Specialist		09/21/2020	
E-mail Address kay_maddox@eogresources.com							

AB

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico			Northwestern New Mexico				
T. Anhy	Rustler	1039'	T. Canyon	Brushy	5988'	T. Ojo Alamo	T. Penn A"
T. Salt		1405'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		3655'	T. Atoka			T. Fruitland	T. Penn. "C"
T. Yates			T. Miss			T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers			T. Devonian			T. Cliff House	T. Leadville
T. Queen			T. Silurian			T. Menefee	T. Madison
T. Grayburg			T. Montoya			T. Point Lookout	T. Elbert
T. San Andres			T. Simpson			T. Mancos	T. McCracken
T. Glorieta			T. McKee			T. Gallup	T. Ignacio Otzte
T. Paddock			T. Ellenburger			Base Greenhorn	T. Granite
T. Blinebry			T. Gr. Wash			T. Dakota	
T. Tubb			T. Delaware Sand			T. Morrison	
T. Drinkard			T. Bone Springs			T. Todilto	
T. Abo			T. 1st BS Sand	8606'		T. Entrada	
T. Wolfcamp	10,966'		T. 2nd BS Sand	9302'		T. Wingate	
T. Penn			T. 3rd BS Sand	10,569"		T. Chinle	
T. Cisco (Bough C)			T.			T. Permian	

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 14115

CONDITIONS OF APPROVAL

Operator:	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	OGRID:	7377	Action Number:	14115	Action Type:	C-104C
OCD Reviewer									Condition
abustamante									None