

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

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 COG Operating 600 West Illinois Ave. Midland, TX 79701		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW/12/27/23
⁴ API Number 30-015-53646	⁵ Pool Name Dogie Draw; Hay Hollow; Bone Spring, North	
		⁶ Pool Code 30216
⁷ Property Code 333880	⁸ Property Name Flaming Snail Federal Com	
		⁹ Well Number 503H

II. ¹⁰ Surface Location

Ul or lot no. C	Section 28	Township 25-S	Range 27-E	Lot Idn	Feet from the 957	North/South Line North	Feet from the 1589	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. N	Section 4	Township 26-S	Range 27-E	Lot Idn	Feet from the 58	North/South line North	Feet from the 2389	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 12/27/23	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
371058	ETC Field Services 8111 Westchester Drive Suite 600 Dallas, Tx 75225	G
214984	Plains Marketing L.P. P.O. Box 4648 Houston, Tx 77002	O

IV. Well Completion Data

²¹ Spud Date 5/6/23	²² Ready Date 7/4/23	²³ TD 23314'	²⁴ PBTD 23269'	²⁵ Perforations 7846'-23,237'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17.5"		13.375"		421'	500sx
12.25"		9.625"		7055'	1480sx
8.75"		5.5"		23292'	4365sx
Tubing		2.875		7038'	

V. Well Test Data

³¹ Date New Oil 12/27/23	³² Gas Delivery Date 12/27/23	³³ Test Date 12/28/23	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 387#	³⁶ Csg. Pressure 350#
³⁷ Choke Size 64/64	³⁸ Oil 338	³⁹ Water 4576	⁴⁰ Gas 664		⁴¹ Test Method Flowing

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: Kayla Estrada Title: Regulatory Coordinator E-mail Address: kayla.l.estrada@conocophillips.com	OIL CONSERVATION DIVISION	
	Approved by: PATRICIA MARTINEZ	
	Title: PETROLEUM SPECIALIST	
	Approval Date: 4/17/2024	

Date: 1/25/24	Phone: 432-688-6837	
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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) 476-3460 Fax: (505) 476-3462

State of New Mexico

Rnprgy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Form c_102

Revised August 1, 2011

Submit one copy to appropriate District Office

☒ AMENDED REPORT

FELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-53646		Pool Code 30216	Pool Name Hay Hollow; Bone Spring, North
Property Code 333880	Property Name FLAMING SNAIL FEDERAL COM		Well Number 503H
OGRID No. 229137	Operator Name COG OPERATING LLC		Elevation 3161.1'

Surface Location

UL or lot No. C	Section 28	Township 25—S	Range 27-E	Lot Idn	Feet from the 957	North/South line NORTH	Feet from the 1589	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No. N	Section 4	Township 26-S	Range 27-E	Lot Idn	Feet from the 58	North/South line SOUTH	Feet from the 2389	East/West line WEST	County EDDY
Dedicated Acres 1920	Joint or Infill	Consolidation Code	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

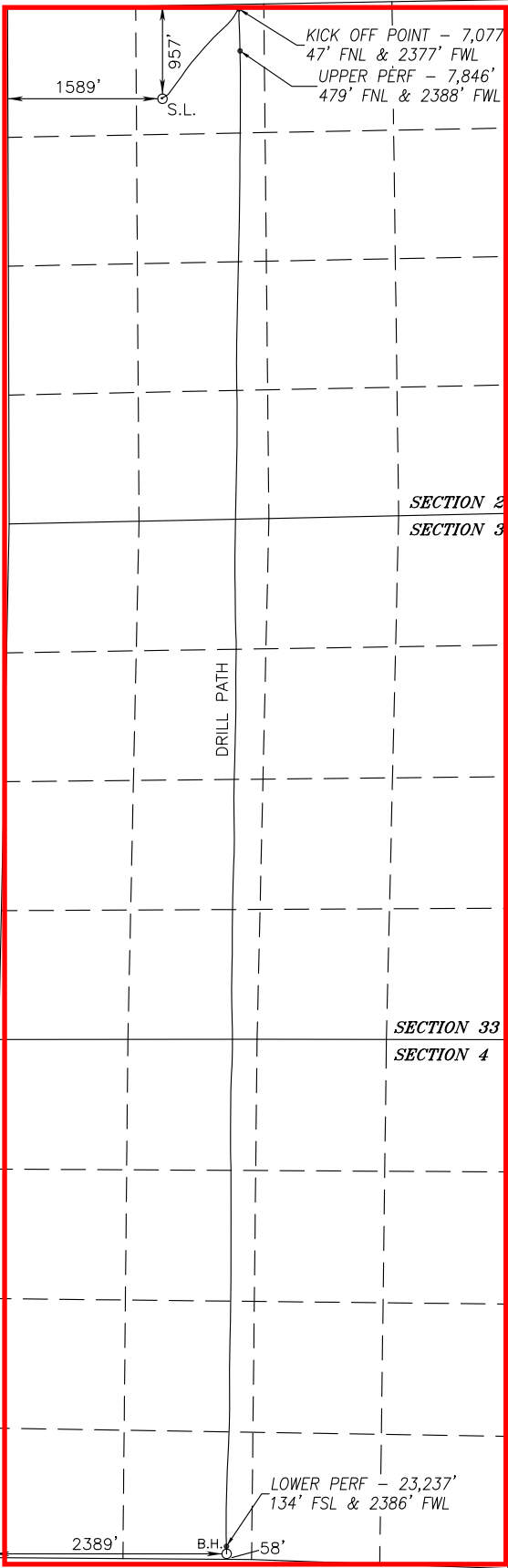
SEE PAGE 2

PAGE 1 OF 2

W.O. #23-918

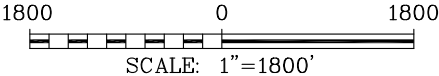
DRAWN BY: WN

Property Code 333880	Property Name FLAMING SNAIL FEDERAL COM	Well Number 503H
OGRID No. 229137	Operator Name COG OPERATING LLC	Elevation 3161.1'



NAD 83 NME
SURFACE LOCATION
Y=402181.6 N
X=583125.7 E
LAT.=32.105605° N
LONG.=104.198373° W

SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE FLAMING SNAIL FED COM 503H SUPPLIED TO HARCROW SURVEYING, LLC ON NOVEMBER 7, 2023



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kayla Estrada 1/25/24

Signature Date

Kayla Estrada

Printed Name

kayla.l.estrada@conocophillips.com

E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JAN. 26, 2023/APR. 3, 2023

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 11/8/23

Certificate No. CHAD HARCROW 17777

PAGE 2 OF 2 W.O. #23-918 DRAWN BY: WN

Intent ☐ As Drilled ☐

API # 30-015-53646		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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:	Property Name:	Well Number

KZ 06/29/2018



ConocoPhillips

**Eddy County, NM (NAD27 NME)
Flaming Snail Fed Com Proj.
Flaming Snail Federal Com 503H**

OH / 72344

Design: Surveys (Nabors X48)

Standard Survey Report

03 July, 2023





Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Project	Eddy County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Flaming Snail Fed Com Proj.		
Site Position:		Northing:	402,124.30 usft
From:	Map	Easting:	541,942.30 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.1054835
		Longitude:	-104.1978780

Well	Flaming Snail Federal Com 503H		
Well Position	+N/-S	0.00 usft	Northing: 402,124.30 usft
	+E/-W	0.00 usft	Easting: 541,942.30 usft
Position Uncertainty	3.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.072 °	Ground Level:	3,161.10 usft

Wellbore	OH / 72344		
Magnetics	Model Name	Sample Date	Declination (°)
	IFR	5/10/23	6.848
			59.720
			47,350.00000000

Design	Surveys (Nabors X48)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Tie On Depth:			0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			177.47

Survey Program	Date	7/03/23		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	6,902.00	SDI Gyro Surveys - Intermediate (OH / 72344)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp.-Initilzd Cont. rev
6,902.00	23,314.00	Intrepid MWD Surveys (OH / 72344)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction r

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.12	304.00	99.99	0.55	-0.81	-0.58	1.12	1.12	0.00
125.00	1.56	295.44	124.99	0.83	-1.32	-0.89	1.93	1.76	-34.24
150.00	1.72	297.49	149.98	1.15	-1.96	-1.23	0.68	0.64	8.20
175.00	1.96	296.41	174.96	1.51	-2.68	-1.63	0.97	0.96	-4.32
200.00	2.16	295.20	199.95	1.90	-3.49	-2.05	0.82	0.80	-4.84
225.00	2.05	292.54	224.93	2.27	-4.32	-2.46	0.59	-0.44	-10.64
250.00	2.05	291.59	249.91	2.61	-5.15	-2.84	0.14	0.00	-3.80
275.00	1.97	290.84	274.90	2.93	-5.97	-3.19	0.34	-0.32	-3.00



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
300.00	1.93	291.15	299.88	3.23	-6.76	-3.53	0.17	-0.16	1.24
325.00	1.88	290.68	324.87	3.53	-7.54	-3.86	0.21	-0.20	-1.88
350.00	1.85	293.54	349.86	3.84	-8.29	-4.20	0.39	-0.12	11.44
375.00	1.80	296.05	374.84	4.17	-9.02	-4.56	0.38	-0.20	10.04
400.00	1.94	298.49	399.83	4.54	-9.74	-4.97	0.64	0.56	9.76
425.00	1.89	300.62	424.82	4.96	-10.47	-5.41	0.35	-0.20	8.52
450.00	2.01	298.96	449.80	5.38	-11.21	-5.87	0.53	0.48	-6.64
475.00	2.16	296.69	474.79	5.80	-12.01	-6.33	0.68	0.60	-9.08
500.00	2.04	295.84	499.77	6.21	-12.83	-6.77	0.50	-0.48	-3.40
525.00	1.70	291.67	524.76	6.54	-13.58	-7.13	1.46	-1.36	-16.68
550.00	0.47	2.74	549.75	6.78	-13.92	-7.39	6.44	-4.92	284.28
575.00	1.02	67.16	574.75	6.97	-13.71	-7.56	3.68	2.20	257.68
600.00	1.05	67.76	599.75	7.14	-13.29	-7.72	0.13	0.12	2.40
625.00	1.27	73.06	624.74	7.31	-12.81	-7.87	0.98	0.88	21.20
650.00	1.42	73.58	649.73	7.47	-12.25	-8.01	0.60	0.60	2.08
675.00	1.47	72.05	674.73	7.66	-11.65	-8.17	0.25	0.20	-6.12
700.00	1.53	67.70	699.72	7.89	-11.04	-8.37	0.51	0.24	-17.40
725.00	1.48	64.65	724.71	8.15	-10.44	-8.60	0.38	-0.20	-12.20
750.00	1.47	62.71	749.70	8.44	-9.86	-8.86	0.20	-0.04	-7.76
775.00	1.54	63.86	774.69	8.73	-9.27	-9.13	0.30	0.28	4.60
800.00	1.50	58.90	799.68	9.05	-8.69	-9.42	0.55	-0.16	-19.84
825.00	1.38	59.79	824.68	9.37	-8.15	-9.72	0.49	-0.48	3.56
850.00	1.36	59.80	849.67	9.67	-7.63	-10.00	0.08	-0.08	0.04
875.00	1.31	61.45	874.66	9.96	-7.13	-10.26	0.25	-0.20	6.60
900.00	1.31	65.16	899.66	10.21	-6.62	-10.49	0.34	0.00	14.84
925.00	1.29	65.35	924.65	10.45	-6.10	-10.71	0.08	-0.08	0.76
950.00	1.27	70.09	949.64	10.66	-5.58	-10.90	0.43	-0.08	18.96
975.00	1.34	70.84	974.64	10.85	-5.05	-11.06	0.29	0.28	3.00
1,000.00	1.49	70.58	999.63	11.06	-4.46	-11.24	0.60	0.60	-1.04
1,025.00	1.55	63.05	1,024.62	11.32	-3.86	-11.48	0.83	0.24	-30.12
1,050.00	1.47	64.46	1,049.61	11.61	-3.27	-11.74	0.35	-0.32	5.64
1,075.00	1.40	68.39	1,074.60	11.86	-2.69	-11.97	0.48	-0.28	15.72
1,100.00	1.24	65.96	1,099.60	12.08	-2.16	-12.17	0.68	-0.64	-9.72
1,125.00	1.18	68.79	1,124.59	12.29	-1.67	-12.35	0.34	-0.24	11.32
1,150.00	1.01	74.30	1,149.59	12.44	-1.22	-12.48	0.80	-0.68	22.04
1,175.00	0.94	80.37	1,174.58	12.53	-0.81	-12.56	0.50	-0.28	24.28
1,200.00	1.02	86.09	1,199.58	12.58	-0.38	-12.59	0.51	0.32	22.88
1,225.00	1.09	83.35	1,224.57	12.62	0.07	-12.61	0.35	0.28	-10.96
1,250.00	1.16	78.73	1,249.57	12.70	0.56	-12.66	0.46	0.28	-18.48
1,275.00	1.21	76.86	1,274.56	12.81	1.06	-12.75	0.25	0.20	-7.48
1,300.00	1.15	70.08	1,299.56	12.96	1.56	-12.87	0.61	-0.24	-27.12
1,325.00	1.11	72.19	1,324.55	13.12	2.02	-13.01	0.23	-0.16	8.44
1,350.00	1.24	74.40	1,349.55	13.26	2.51	-13.14	0.55	0.52	8.84



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
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Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,375.00	1.35	76.18	1,374.54	13.41	3.06	-13.26	0.47	0.44	7.12
1,400.00	1.60	79.99	1,399.53	13.54	3.69	-13.36	1.07	1.00	15.24
1,425.00	1.69	79.40	1,424.52	13.67	4.40	-13.46	0.37	0.36	-2.36
1,450.00	1.89	83.27	1,449.51	13.78	5.17	-13.54	0.93	0.80	15.48
1,475.00	2.33	85.72	1,474.49	13.87	6.08	-13.59	1.80	1.76	9.80
1,500.00	2.19	82.94	1,499.48	13.96	7.07	-13.64	0.71	-0.56	-11.12
1,525.00	2.28	83.36	1,524.46	14.08	8.03	-13.71	0.37	0.36	1.68
1,550.00	3.08	73.74	1,549.43	14.33	9.17	-13.91	3.66	3.20	-38.48
1,575.00	3.82	64.26	1,574.38	14.88	10.57	-14.39	3.73	2.96	-37.92
1,600.00	3.95	63.59	1,599.33	15.62	12.09	-15.07	0.55	0.52	-2.68
1,625.00	4.02	62.16	1,624.27	16.41	13.63	-15.79	0.49	0.28	-5.72
1,650.00	4.12	62.72	1,649.20	17.23	15.21	-16.55	0.43	0.40	2.24
1,675.00	4.24	63.17	1,674.14	18.06	16.83	-17.30	0.50	0.48	1.80
1,700.00	4.40	63.78	1,699.07	18.90	18.52	-18.07	0.67	0.64	2.44
1,725.00	4.59	66.28	1,723.99	19.73	20.29	-18.81	1.09	0.76	10.00
1,750.00	5.87	57.93	1,748.88	20.81	22.29	-19.81	5.94	5.12	-33.40
1,775.00	6.67	55.60	1,773.73	22.31	24.57	-21.20	3.36	3.20	-9.32
1,800.00	7.06	55.68	1,798.56	24.00	27.04	-22.78	1.56	1.56	0.32
1,825.00	7.30	55.28	1,823.36	25.77	29.61	-24.43	0.98	0.96	-1.60
1,850.00	7.50	55.73	1,848.15	27.59	32.27	-26.14	0.83	0.80	1.80
1,875.00	7.85	56.55	1,872.93	29.45	35.04	-27.87	1.47	1.40	3.28
1,900.00	7.99	57.38	1,897.69	31.33	37.93	-29.62	0.72	0.56	3.32
1,925.00	8.01	57.55	1,922.45	33.20	40.86	-31.36	0.12	0.08	0.68
1,950.00	8.16	57.98	1,947.20	35.07	43.84	-33.11	0.65	0.60	1.72
1,975.00	8.05	58.32	1,971.95	36.93	46.83	-34.83	0.48	-0.44	1.36
2,000.00	8.04	57.65	1,996.70	38.79	49.80	-36.55	0.38	-0.04	-2.68
2,025.00	8.18	55.44	2,021.45	40.73	52.74	-38.37	1.37	0.56	-8.84
2,050.00	8.31	49.02	2,046.19	42.93	55.57	-40.43	3.72	0.52	-25.68
2,075.00	8.76	42.07	2,070.92	45.53	58.21	-42.91	4.50	1.80	-27.80
2,100.00	8.99	40.62	2,095.62	48.42	60.75	-45.69	1.28	0.92	-5.80
2,125.00	9.20	39.53	2,120.30	51.45	63.30	-48.60	1.09	0.84	-4.36
2,150.00	9.05	38.62	2,144.99	54.52	65.80	-51.57	0.83	-0.60	-3.64
2,175.00	9.06	38.91	2,169.68	57.59	68.26	-54.52	0.19	0.04	1.16
2,200.00	9.02	39.13	2,194.36	60.64	70.73	-57.46	0.21	-0.16	0.88
2,225.00	10.00	36.95	2,219.02	63.90	73.27	-60.60	4.18	3.92	-8.72
2,250.00	10.88	35.31	2,243.61	67.56	75.94	-64.14	3.71	3.52	-6.56
2,275.00	11.25	35.21	2,268.14	71.48	78.71	-67.93	1.48	1.48	-0.40
2,300.00	11.50	35.26	2,292.65	75.50	81.56	-71.83	1.00	1.00	0.20
2,325.00	12.26	35.33	2,317.12	79.70	84.53	-75.89	3.04	3.04	0.28
2,350.00	13.70	36.20	2,341.48	84.26	87.81	-80.30	5.81	5.76	3.48
2,375.00	14.72	36.94	2,365.71	89.19	91.47	-85.06	4.14	4.08	2.96
2,400.00	15.12	36.87	2,389.87	94.33	95.34	-90.03	1.60	1.60	-0.28
2,425.00	15.14	36.81	2,414.00	99.55	99.25	-95.08	0.10	0.08	-0.24



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,450.00	15.35	37.08	2,438.12	104.81	103.20	-100.15	0.89	0.84	1.08
2,475.00	15.46	37.03	2,462.22	110.11	107.20	-105.27	0.44	0.44	-0.20
2,500.00	15.50	36.96	2,486.32	115.44	111.22	-110.42	0.18	0.16	-0.28
2,525.00	15.54	36.77	2,510.40	120.79	115.23	-115.59	0.26	0.16	-0.76
2,550.00	15.76	36.71	2,534.48	126.19	119.26	-120.81	0.88	0.88	-0.24
2,575.00	15.93	36.62	2,558.53	131.67	123.34	-126.10	0.69	0.68	-0.36
2,600.00	16.00	36.53	2,582.56	137.19	127.44	-131.43	0.30	0.28	-0.36
2,625.00	16.09	36.85	2,606.59	142.73	131.57	-136.79	0.50	0.36	1.28
2,650.00	16.05	36.19	2,630.61	148.29	135.68	-142.16	0.75	-0.16	-2.64
2,675.00	16.05	36.41	2,654.64	153.86	139.78	-147.54	0.24	0.00	0.88
2,700.00	16.28	36.20	2,678.65	159.47	143.90	-152.97	0.95	0.92	-0.84
2,725.00	16.43	36.44	2,702.64	165.15	148.07	-158.45	0.66	0.60	0.96
2,750.00	16.56	36.19	2,726.61	170.86	152.27	-163.98	0.59	0.52	-1.00
2,775.00	16.55	36.46	2,750.57	176.60	156.49	-169.52	0.31	-0.04	1.08
2,800.00	16.60	36.27	2,774.53	182.35	160.72	-175.07	0.29	0.20	-0.76
2,825.00	16.55	35.91	2,798.50	188.11	164.92	-180.65	0.46	-0.20	-1.44
2,850.00	16.66	35.86	2,822.45	193.90	169.11	-186.24	0.44	0.44	-0.20
2,875.00	16.62	35.54	2,846.41	199.71	173.29	-191.87	0.40	-0.16	-1.28
2,900.00	16.39	35.81	2,870.38	205.48	177.43	-197.45	0.97	-0.92	1.08
2,925.00	16.74	35.80	2,894.34	211.26	181.60	-203.04	1.40	1.40	-0.04
2,950.00	16.79	35.94	2,918.28	217.11	185.82	-208.69	0.26	0.20	0.56
2,975.00	16.69	35.43	2,942.22	222.95	190.02	-214.35	0.71	-0.40	-2.04
3,000.00	16.67	35.29	2,966.16	228.81	194.18	-220.01	0.18	-0.08	-0.56
3,025.00	16.52	35.10	2,990.12	234.64	198.29	-225.66	0.64	-0.60	-0.76
3,050.00	16.38	34.81	3,014.10	240.44	202.35	-231.28	0.65	-0.56	-1.16
3,075.00	16.36	34.64	3,038.09	246.23	206.36	-236.88	0.21	-0.08	-0.68
3,100.00	16.27	35.10	3,062.08	252.00	210.38	-242.46	0.63	-0.36	1.84
3,125.00	16.25	35.04	3,086.08	257.73	214.40	-248.01	0.10	-0.08	-0.24
3,150.00	16.55	34.61	3,110.06	263.52	218.43	-253.62	1.29	1.20	-1.72
3,175.00	16.74	34.55	3,134.02	269.42	222.49	-259.33	0.76	0.76	-0.24
3,200.00	16.72	34.51	3,157.96	275.34	226.57	-265.07	0.09	-0.08	-0.16
3,225.00	17.02	34.83	3,181.88	281.31	230.70	-270.85	1.26	1.20	1.28
3,250.00	16.70	34.55	3,205.81	287.27	234.83	-276.63	1.32	-1.28	-1.12
3,275.00	16.82	34.51	3,229.74	293.21	238.91	-282.38	0.48	0.48	-0.16
3,300.00	16.94	34.85	3,253.67	299.18	243.04	-288.16	0.62	0.48	1.36
3,325.00	17.05	35.36	3,277.58	305.16	247.24	-293.95	0.74	0.44	2.04
3,350.00	17.32	35.10	3,301.46	311.19	251.51	-299.79	1.12	1.08	-1.04
3,375.00	17.29	34.79	3,325.33	317.29	255.77	-305.69	0.39	-0.12	-1.24
3,400.00	17.28	34.72	3,349.20	323.39	260.00	-311.60	0.09	-0.04	-0.28
3,425.00	17.39	34.98	3,373.06	329.50	264.26	-317.52	0.54	0.44	1.04
3,450.00	16.53	36.96	3,396.98	335.41	268.54	-323.23	4.14	-3.44	7.92
3,475.00	15.99	38.17	3,420.98	340.96	272.80	-328.58	2.55	-2.16	4.84
3,500.00	15.80	38.43	3,445.02	346.33	277.05	-333.76	0.81	-0.76	1.04
3,525.00	15.81	39.14	3,469.07	351.64	281.31	-338.88	0.77	0.04	2.84



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,550.00	15.41	39.92	3,493.15	356.83	285.59	-343.87	1.81	-1.60	3.12
3,575.00	15.02	40.55	3,517.28	361.84	289.83	-348.69	1.69	-1.56	2.52
3,600.00	14.98	40.11	3,541.42	366.77	294.02	-353.43	0.48	-0.16	-1.76
3,625.00	15.09	39.98	3,565.57	371.73	298.19	-358.21	0.46	0.44	-0.52
3,650.00	15.06	40.28	3,589.71	376.70	302.38	-362.99	0.33	-0.12	1.20
3,675.00	15.02	40.31	3,613.85	381.65	306.58	-367.75	0.16	-0.16	0.12
3,700.00	14.96	40.61	3,638.00	386.57	310.77	-372.48	0.39	-0.24	1.20
3,725.00	15.07	40.45	3,662.15	391.49	314.98	-377.21	0.47	0.44	-0.64
3,750.00	15.02	40.60	3,686.29	396.43	319.20	-381.95	0.25	-0.20	0.60
3,775.00	14.99	40.61	3,710.44	401.34	323.41	-386.67	0.12	-0.12	0.04
3,800.00	15.10	40.89	3,734.58	406.26	327.65	-391.40	0.53	0.44	1.12
3,825.00	14.96	40.77	3,758.73	411.16	331.89	-396.11	0.57	-0.56	-0.48
3,850.00	15.11	40.72	3,782.87	416.08	336.12	-400.83	0.60	0.60	-0.20
3,875.00	15.20	41.46	3,807.00	421.00	340.41	-405.57	0.85	0.36	2.96
3,900.00	15.39	41.51	3,831.12	425.94	344.78	-410.31	0.76	0.76	0.20
3,925.00	15.19	40.83	3,855.23	430.90	349.12	-415.07	1.07	-0.80	-2.72
3,950.00	15.19	42.08	3,879.36	435.81	353.46	-419.79	1.31	0.00	5.00
3,975.00	15.61	41.17	3,903.46	440.78	357.87	-424.55	1.94	1.68	-3.64
4,000.00	15.60	40.95	3,927.54	445.85	362.29	-429.42	0.24	-0.04	-0.88
4,025.00	15.49	40.40	3,951.62	450.93	366.65	-434.30	0.74	-0.44	-2.20
4,050.00	15.65	40.60	3,975.71	456.03	371.01	-439.21	0.68	0.64	0.80
4,075.00	15.68	40.45	3,999.78	461.16	375.40	-444.14	0.20	0.12	-0.60
4,100.00	15.62	40.80	4,023.85	466.28	379.79	-449.06	0.45	-0.24	1.40
4,125.00	14.95	40.93	4,047.97	471.27	384.10	-453.85	2.68	-2.68	0.52
4,150.00	13.88	41.12	4,072.18	475.96	388.18	-458.36	4.28	-4.28	0.76
4,175.00	13.51	41.14	4,096.47	480.42	392.08	-462.64	1.48	-1.48	0.08
4,200.00	13.07	40.99	4,120.80	484.75	395.85	-466.81	1.77	-1.76	-0.60
4,225.00	12.94	40.97	4,145.16	489.00	399.54	-470.89	0.52	-0.52	-0.08
4,250.00	12.86	40.30	4,169.53	493.23	403.18	-474.96	0.68	-0.32	-2.68
4,275.00	12.88	41.15	4,193.90	497.45	406.81	-479.01	0.76	0.08	3.40
4,300.00	12.76	40.69	4,218.28	501.65	410.44	-483.04	0.63	-0.48	-1.84
4,325.00	12.67	40.93	4,242.66	505.81	414.04	-487.04	0.42	-0.36	0.96
4,350.00	12.56	40.73	4,267.06	509.94	417.61	-491.01	0.47	-0.44	-0.80
4,375.00	12.53	41.27	4,291.46	514.04	421.17	-494.95	0.48	-0.12	2.16
4,400.00	12.31	41.91	4,315.88	518.06	424.74	-498.81	1.04	-0.88	2.56
4,425.00	12.34	40.84	4,340.30	522.07	428.27	-502.65	0.92	0.12	-4.28
4,450.00	12.13	41.06	4,364.73	526.07	431.74	-506.50	0.86	-0.84	0.88
4,475.00	11.91	41.16	4,389.18	529.99	435.16	-510.26	0.88	-0.88	0.40
4,500.00	11.83	41.12	4,413.65	533.86	438.55	-513.98	0.32	-0.32	-0.16
4,525.00	11.57	40.97	4,438.13	537.69	441.88	-517.66	1.05	-1.04	-0.60
4,550.00	11.61	41.12	4,462.62	541.47	445.17	-521.30	0.20	0.16	0.60
4,575.00	11.62	41.03	4,487.11	545.27	448.48	-524.94	0.08	0.04	-0.36
4,600.00	11.42	41.41	4,511.61	549.02	451.77	-528.55	0.86	-0.80	1.52



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,625.00	11.49	41.74	4,536.11	552.74	455.07	-532.11	0.38	0.28	1.32
4,650.00	11.40	42.14	4,560.61	556.43	458.38	-535.65	0.48	-0.36	1.60
4,675.00	11.41	42.57	4,585.12	560.08	461.71	-539.15	0.34	0.04	1.72
4,700.00	11.62	42.00	4,609.61	563.77	465.07	-542.70	0.96	0.84	-2.28
4,725.00	11.47	41.59	4,634.11	567.50	468.40	-546.27	0.68	-0.60	-1.64
4,750.00	11.40	41.19	4,658.61	571.22	471.68	-549.84	0.42	-0.28	-1.60
4,775.00	11.54	41.22	4,683.11	574.96	474.96	-553.44	0.56	0.56	0.12
4,800.00	11.61	41.46	4,707.60	578.73	478.27	-557.05	0.34	0.28	0.96
4,825.00	11.70	41.22	4,732.09	582.52	481.61	-560.69	0.41	0.36	-0.96
4,850.00	11.71	41.31	4,756.57	586.33	484.95	-564.35	0.08	0.04	0.36
4,875.00	11.55	41.79	4,781.05	590.10	488.29	-567.98	0.75	-0.64	1.92
4,900.00	11.88	43.27	4,805.53	593.84	491.72	-571.56	1.79	1.32	5.92
4,925.00	12.00	42.72	4,829.99	597.63	495.25	-575.18	0.66	0.48	-2.20
4,950.00	12.12	43.16	4,854.44	601.45	498.81	-578.85	0.60	0.48	1.76
4,975.00	12.19	43.45	4,878.88	605.28	502.42	-582.51	0.37	0.28	1.16
5,000.00	12.19	43.36	4,903.32	609.12	506.05	-586.19	0.08	0.00	-0.36
5,025.00	12.23	43.53	4,927.75	612.96	509.68	-589.86	0.22	0.16	0.68
5,050.00	12.31	43.60	4,952.18	616.81	513.35	-593.54	0.33	0.32	0.28
5,075.00	12.61	44.34	4,976.59	620.69	517.09	-597.26	1.36	1.20	2.96
5,100.00	13.21	45.39	5,000.96	624.65	521.03	-601.04	2.58	2.40	4.20
5,125.00	13.56	46.10	5,025.28	628.68	525.18	-604.89	1.55	1.40	2.84
5,150.00	13.58	45.69	5,049.58	632.77	529.39	-608.78	0.39	0.08	-1.64
5,175.00	13.57	46.55	5,073.88	636.83	533.62	-612.66	0.81	-0.04	3.44
5,200.00	13.77	46.61	5,098.18	640.89	537.91	-616.52	0.80	0.80	0.24
5,225.00	13.83	45.39	5,122.45	645.04	542.20	-620.47	1.19	0.24	-4.88
5,250.00	13.81	46.00	5,146.73	649.21	546.47	-624.45	0.59	-0.08	2.44
5,275.00	13.95	45.46	5,171.00	653.39	550.77	-628.45	0.76	0.56	-2.16
5,300.00	13.95	46.14	5,195.26	657.60	555.09	-632.45	0.66	0.00	2.72
5,325.00	13.89	46.03	5,219.53	661.77	559.42	-636.43	0.26	-0.24	-0.44
5,350.00	13.82	46.33	5,243.80	665.91	563.74	-640.38	0.40	-0.28	1.20
5,375.00	14.04	46.14	5,268.07	670.08	568.09	-644.35	0.90	0.88	-0.76
5,400.00	13.99	46.00	5,292.32	674.28	572.45	-648.35	0.24	-0.20	-0.56
5,425.00	14.12	46.27	5,316.57	678.48	576.82	-652.36	0.58	0.52	1.08
5,450.00	14.22	46.32	5,340.81	682.71	581.25	-656.39	0.40	0.40	0.20
5,475.00	14.32	46.33	5,365.04	686.97	585.70	-660.44	0.40	0.40	0.04
5,500.00	14.51	46.34	5,389.26	691.26	590.21	-664.54	0.76	0.76	0.04
5,525.00	14.58	46.78	5,413.45	695.58	594.77	-668.65	0.52	0.28	1.76
5,550.00	14.67	46.84	5,437.64	699.90	599.37	-672.76	0.37	0.36	0.24
5,575.00	14.75	48.04	5,461.82	704.19	604.04	-676.84	1.26	0.32	4.80
5,600.00	14.85	46.78	5,486.00	708.52	608.74	-680.95	1.35	0.40	-5.04
5,625.00	14.80	47.38	5,510.16	712.87	613.43	-685.10	0.65	-0.20	2.40
5,650.00	15.25	47.16	5,534.31	717.27	618.19	-689.28	1.81	1.80	-0.88
5,675.00	15.61	45.95	5,558.41	721.84	623.02	-693.64	1.93	1.44	-4.84



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,700.00	15.35	46.22	5,582.50	726.47	627.82	-698.05	1.08	-1.04	1.08
5,725.00	15.65	45.68	5,606.59	731.12	632.63	-702.48	1.33	1.20	-2.16
5,750.00	15.44	45.57	5,630.68	735.80	637.41	-706.95	0.85	-0.84	-0.44
5,775.00	15.28	45.78	5,654.78	740.43	642.15	-711.36	0.68	-0.64	0.84
5,800.00	15.17	46.00	5,678.91	745.00	646.87	-715.72	0.50	-0.44	0.88
5,825.00	15.11	45.58	5,703.04	749.55	651.55	-720.06	0.50	-0.24	-1.68
5,850.00	14.77	44.96	5,727.19	754.09	656.13	-724.39	1.50	-1.36	-2.48
5,875.00	14.29	44.84	5,751.39	758.53	660.55	-728.63	1.92	-1.92	-0.48
5,900.00	14.20	44.52	5,775.62	762.91	664.88	-732.81	0.48	-0.36	-1.28
5,925.00	14.00	44.18	5,799.87	767.26	669.14	-736.98	0.87	-0.80	-1.36
5,950.00	13.82	44.51	5,824.14	771.56	673.34	-741.08	0.79	-0.72	1.32
5,975.00	13.84	43.64	5,848.41	775.85	677.49	-745.19	0.84	0.08	-3.48
6,000.00	13.65	42.91	5,872.70	780.18	681.57	-749.33	1.03	-0.76	-2.92
6,025.00	13.76	42.80	5,896.99	784.52	685.59	-753.49	0.45	0.44	-0.44
6,050.00	13.62	42.78	5,921.28	788.86	689.61	-757.65	0.56	-0.56	-0.08
6,075.00	13.41	41.78	5,945.58	793.18	693.54	-761.79	1.26	-0.84	-4.00
6,100.00	13.13	41.03	5,969.92	797.49	697.34	-765.93	1.31	-1.12	-3.00
6,125.00	13.06	40.47	5,994.27	801.78	701.04	-770.05	0.58	-0.28	-2.24
6,150.00	13.13	41.02	6,018.62	806.07	704.73	-774.17	0.57	0.28	2.20
6,175.00	12.80	39.06	6,042.98	810.36	708.34	-778.30	2.20	-1.32	-7.84
6,200.00	12.73	38.21	6,067.36	814.68	711.79	-782.46	0.80	-0.28	-3.40
6,225.00	12.68	37.83	6,091.75	819.01	715.18	-786.64	0.39	-0.20	-1.52
6,250.00	12.72	37.26	6,116.14	823.36	718.53	-790.84	0.53	0.16	-2.28
6,275.00	12.21	35.08	6,140.55	827.72	721.71	-795.05	2.78	-2.04	-8.72
6,300.00	12.21	34.73	6,164.98	832.06	724.74	-799.25	0.30	0.00	-1.40
6,325.00	12.55	33.00	6,189.40	836.51	727.72	-803.57	2.01	1.36	-6.92
6,350.00	12.46	33.32	6,213.81	841.04	730.68	-807.96	0.45	-0.36	1.28
6,375.00	12.79	33.46	6,238.20	845.60	733.69	-812.39	1.33	1.32	0.56
6,400.00	12.50	32.77	6,262.60	850.18	736.68	-816.84	1.31	-1.16	-2.76
6,425.00	12.20	32.46	6,287.02	854.69	739.56	-821.21	1.23	-1.20	-1.24
6,450.00	11.88	32.15	6,311.47	859.09	742.35	-825.49	1.31	-1.28	-1.24
6,475.00	11.69	31.24	6,335.94	863.44	745.03	-829.71	1.06	-0.76	-3.64
6,500.00	11.14	30.52	6,360.45	867.68	747.57	-833.84	2.27	-2.20	-2.88
6,525.00	10.75	30.69	6,384.99	871.77	749.99	-837.81	1.57	-1.56	0.68
6,550.00	10.68	30.81	6,409.56	875.76	752.37	-841.70	0.29	-0.28	0.48
6,575.00	10.29	28.63	6,434.14	879.71	754.62	-845.55	2.22	-1.56	-8.72
6,600.00	10.01	28.56	6,458.75	883.58	756.73	-849.32	1.12	-1.12	-0.28
6,625.00	9.82	28.55	6,483.37	887.36	758.79	-853.00	0.76	-0.76	-0.04
6,650.00	9.72	26.90	6,508.01	891.12	760.76	-856.67	1.19	-0.40	-6.60
6,675.00	9.20	29.15	6,532.67	894.75	762.69	-860.21	2.55	-2.08	9.00
6,700.00	8.61	29.51	6,557.37	898.12	764.59	-863.49	2.37	-2.36	1.44
6,725.00	7.70	33.07	6,582.12	901.15	766.42	-866.44	4.16	-3.64	14.24
6,750.00	7.61	34.11	6,606.89	903.93	768.26	-869.13	0.66	-0.36	4.16
6,775.00	6.76	35.71	6,631.70	906.49	770.05	-871.62	3.49	-3.40	6.40



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,800.00	6.15	41.15	6,656.54	908.69	771.79	-873.74	3.45	-2.44	21.76
6,825.00	5.44	38.57	6,681.41	910.63	773.41	-875.60	3.02	-2.84	-10.32
6,850.00	5.23	42.50	6,706.30	912.40	774.92	-877.30	1.69	-0.84	15.72
6,875.00	5.22	41.43	6,731.20	914.09	776.44	-878.92	0.39	-0.04	-4.28
6,900.00	4.53	41.94	6,756.11	915.68	777.86	-880.45	2.77	-2.76	2.04
6,902.00	4.47	42.00	6,758.10	915.79	777.96	-880.56	3.01	-3.00	3.00
Tie In									
7,007.00	3.61	41.09	6,862.84	921.32	782.87	-885.87	0.82	-0.82	-0.87
First Intrepid MWD Survey									
7,077.00	2.81	49.76	6,932.73	924.09	785.63	-888.51	1.33	-1.14	12.39
7,172.00	6.08	171.38	7,027.56	920.62	788.16	-884.93	8.34	3.44	128.02
7,267.00	23.17	185.17	7,119.16	896.85	787.23	-861.23	18.23	17.99	14.52
7,326.93	27.97	181.71	7,173.21	871.04	785.74	-835.51	8.38	8.01	-5.77
FTP: 7326.93' MD, 7173.21' TVD									
7,362.00	30.81	180.16	7,203.76	853.84	785.47	-818.33	8.38	8.10	-4.43
7,462.00	36.26	178.82	7,287.08	798.62	786.01	-763.15	5.50	5.45	-1.34
7,557.00	45.13	177.32	7,359.04	736.78	788.17	-701.27	9.39	9.34	-1.58
7,652.00	55.34	177.66	7,419.73	663.92	791.35	-628.34	10.75	10.75	0.36
7,748.00	62.33	177.62	7,469.38	581.90	794.73	-546.25	7.28	7.28	-0.04
7,843.00	69.67	178.38	7,507.99	495.22	797.74	-459.53	7.76	7.73	0.80
7,938.00	78.81	180.08	7,533.77	403.90	798.93	-368.24	9.77	9.62	1.79
8,033.00	85.50	179.33	7,546.73	309.85	799.42	-274.26	7.09	7.04	-0.79
8,070.00	88.74	178.68	7,548.59	272.90	800.07	-237.32	8.93	8.76	-1.76
8,111.00	88.85	177.70	7,549.45	231.93	801.36	-196.33	2.40	0.27	-2.39
8,206.00	88.17	179.51	7,551.92	137.00	803.67	-101.39	2.03	-0.72	1.91
8,301.00	87.86	181.35	7,555.21	42.06	802.96	-6.58	1.96	-0.33	1.94
8,396.00	88.41	180.95	7,558.30	-52.87	801.05	88.18	0.72	0.58	-0.42
8,491.00	88.71	180.77	7,560.69	-147.83	799.63	182.98	0.37	0.32	-0.19
8,586.00	89.31	180.35	7,562.33	-242.81	798.70	277.83	0.77	0.63	-0.44
8,681.00	90.29	180.17	7,562.66	-337.80	798.27	372.71	1.05	1.03	-0.19
8,777.00	87.36	180.86	7,564.63	-433.77	797.41	468.55	3.14	-3.05	0.72
8,872.00	87.76	180.46	7,568.68	-528.68	796.31	563.31	0.60	0.42	-0.42
8,967.00	88.51	180.28	7,571.77	-623.62	795.70	658.14	0.81	0.79	-0.19
9,062.00	88.93	179.57	7,573.89	-718.60	795.82	753.03	0.87	0.44	-0.75
9,158.00	89.54	180.41	7,575.17	-814.59	795.84	848.92	1.08	0.64	0.88
9,253.00	89.73	181.72	7,575.78	-909.57	794.08	943.73	1.39	0.20	1.38
9,348.00	90.57	181.21	7,575.53	-1,004.54	791.65	1,038.50	1.03	0.88	-0.54
9,443.00	91.34	180.62	7,573.94	-1,099.51	790.13	1,133.32	1.02	0.81	-0.62
9,539.00	91.80	180.27	7,571.31	-1,195.47	789.38	1,229.15	0.60	0.48	-0.36
9,634.00	92.64	180.46	7,567.63	-1,290.40	788.78	1,323.96	0.91	0.88	0.20
9,729.00	93.28	180.25	7,562.73	-1,385.27	788.19	1,418.71	0.71	0.67	-0.22
9,824.00	90.34	181.05	7,559.73	-1,480.20	787.11	1,513.50	3.21	-3.09	0.84
9,919.00	90.53	181.27	7,559.01	-1,575.18	785.19	1,608.30	0.31	0.20	0.23
10,015.00	88.88	181.96	7,559.50	-1,671.14	782.49	1,704.05	1.86	-1.72	0.72



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,110.00	88.25	181.69	7,561.88	-1,766.06	779.46	1,798.74	0.72	-0.66	-0.28
10,205.00	88.75	181.58	7,564.37	-1,860.99	776.75	1,893.46	0.54	0.53	-0.12
10,300.00	89.58	181.50	7,565.75	-1,955.94	774.20	1,988.21	0.88	0.87	-0.08
10,395.00	90.51	181.33	7,565.68	-2,050.91	771.85	2,082.98	1.00	0.98	-0.18
10,491.00	91.17	181.80	7,564.27	-2,146.86	769.23	2,178.73	0.84	0.69	0.49
10,586.00	88.67	181.17	7,564.40	-2,241.82	766.77	2,273.49	2.71	-2.63	-0.66
10,681.00	88.38	180.86	7,566.85	-2,336.78	765.09	2,368.27	0.45	-0.31	-0.33
10,776.00	89.09	180.80	7,568.94	-2,431.74	763.71	2,463.08	0.75	0.75	-0.06
10,872.00	89.60	180.41	7,570.04	-2,527.73	762.70	2,558.93	0.67	0.53	-0.41
10,967.00	89.99	180.37	7,570.38	-2,622.73	762.05	2,653.81	0.41	0.41	-0.04
11,062.00	90.56	180.14	7,569.93	-2,717.73	761.63	2,748.70	0.65	0.60	-0.24
11,157.00	91.15	179.74	7,568.51	-2,812.71	761.73	2,843.60	0.75	0.62	-0.42
11,252.00	91.71	179.40	7,566.14	-2,907.68	762.44	2,938.50	0.69	0.59	-0.36
11,348.00	89.33	179.62	7,565.27	-3,003.67	763.26	3,034.43	2.49	-2.48	0.23
11,443.00	89.84	179.29	7,565.95	-3,098.66	764.17	3,129.37	0.64	0.54	-0.35
11,538.00	90.67	178.85	7,565.53	-3,193.65	765.71	3,224.33	0.99	0.87	-0.46
11,633.00	91.25	178.43	7,563.94	-3,288.60	767.96	3,319.30	0.75	0.61	-0.44
11,728.00	89.73	180.89	7,563.13	-3,383.59	768.53	3,414.22	3.04	-1.60	2.59
11,824.00	89.84	180.94	7,563.49	-3,479.58	766.99	3,510.04	0.13	0.11	0.05
11,919.00	90.64	180.37	7,563.09	-3,574.57	765.91	3,604.89	1.03	0.84	-0.60
12,014.00	91.32	180.11	7,561.47	-3,669.55	765.51	3,699.77	0.77	0.72	-0.27
12,109.00	89.33	181.57	7,560.93	-3,764.53	764.12	3,794.59	2.60	-2.09	1.54
12,204.00	89.56	181.66	7,561.85	-3,859.49	761.44	3,889.34	0.26	0.24	0.09
12,300.00	90.31	181.68	7,561.96	-3,955.45	758.64	3,985.08	0.78	0.78	0.02
12,395.00	91.10	181.45	7,560.79	-4,050.41	756.05	4,079.83	0.87	0.83	-0.24
12,490.00	88.84	181.30	7,560.84	-4,145.37	753.77	4,174.61	2.38	-2.38	-0.16
12,586.00	89.22	181.20	7,562.46	-4,241.34	751.67	4,270.38	0.41	0.40	-0.10
12,681.00	89.74	181.21	7,563.32	-4,336.31	749.68	4,365.18	0.55	0.55	0.01
12,776.00	90.15	180.92	7,563.41	-4,431.29	747.91	4,459.99	0.53	0.43	-0.31
12,871.00	90.92	180.70	7,562.53	-4,526.28	746.57	4,554.82	0.84	0.81	-0.23
12,966.00	91.21	180.48	7,560.76	-4,621.26	745.59	4,649.67	0.38	0.31	-0.23
13,062.00	89.38	180.49	7,560.27	-4,717.25	744.78	4,745.53	1.91	-1.91	0.01
13,157.00	89.91	180.01	7,560.86	-4,812.25	744.36	4,840.41	0.75	0.56	-0.51
13,252.00	90.56	179.33	7,560.47	-4,907.24	744.91	4,935.34	0.99	0.68	-0.72
13,348.00	91.49	178.96	7,558.75	-5,003.22	746.34	5,031.28	1.04	0.97	-0.39
13,443.00	87.79	179.73	7,559.35	-5,098.19	747.43	5,126.21	3.98	-3.89	0.81
13,538.00	87.91	179.44	7,562.91	-5,193.12	748.11	5,221.08	0.33	0.13	-0.31
13,633.00	88.57	179.27	7,565.83	-5,288.07	749.18	5,315.99	0.72	0.69	-0.18
13,728.00	89.28	178.81	7,567.61	-5,383.04	750.77	5,410.93	0.89	0.75	-0.48
13,823.00	88.87	177.78	7,569.14	-5,477.98	753.60	5,505.91	1.17	-0.43	-1.08
13,918.00	88.16	177.71	7,571.61	-5,572.88	757.34	5,600.87	0.75	-0.75	-0.07
14,013.00	88.16	180.91	7,574.66	-5,667.81	758.48	5,695.76	3.37	0.00	3.37
14,108.00	89.03	181.14	7,576.99	-5,762.76	756.78	5,790.55	0.95	0.92	0.24



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,203.00	89.42	180.89	7,578.27	-5,857.74	755.10	5,885.36	0.49	0.41	-0.26	
14,298.00	90.01	180.15	7,578.74	-5,952.73	754.24	5,980.22	1.00	0.62	-0.78	
14,394.00	90.62	180.33	7,578.22	-6,048.73	753.83	6,076.11	0.66	0.64	0.19	
14,489.00	91.49	179.42	7,576.47	-6,143.71	754.04	6,171.01	1.33	0.92	-0.96	
14,584.00	91.24	178.91	7,574.20	-6,238.67	755.43	6,265.94	0.60	-0.26	-0.54	
14,679.00	91.31	181.72	7,572.09	-6,333.64	754.90	6,360.79	2.96	0.07	2.96	
14,774.00	91.64	181.65	7,569.64	-6,428.57	752.11	6,455.50	0.36	0.35	-0.07	
14,869.00	91.88	181.52	7,566.73	-6,523.49	749.49	6,550.21	0.29	0.25	-0.14	
14,964.00	92.60	181.55	7,563.01	-6,618.38	746.94	6,644.90	0.76	0.76	0.03	
15,059.00	93.71	180.86	7,557.78	-6,713.21	744.95	6,739.55	1.38	1.17	-0.73	
15,155.00	90.70	181.55	7,554.09	-6,809.11	742.93	6,835.27	3.22	-3.14	0.72	
15,250.00	90.97	181.75	7,552.71	-6,904.06	740.19	6,930.00	0.35	0.28	0.21	
15,345.00	88.71	181.49	7,552.97	-6,999.01	737.51	7,024.75	2.39	-2.38	-0.27	
15,440.00	88.84	181.13	7,555.00	-7,093.97	735.34	7,119.51	0.40	0.14	-0.38	
15,535.00	89.29	180.19	7,556.55	-7,188.95	734.24	7,214.35	1.10	0.47	-0.99	
15,630.00	90.46	179.43	7,556.76	-7,283.94	734.56	7,309.27	1.47	1.23	-0.80	
15,726.00	91.22	179.37	7,555.35	-7,379.93	735.56	7,405.20	0.79	0.79	-0.06	
15,821.00	92.07	178.55	7,552.63	-7,474.87	737.29	7,500.13	1.24	0.89	-0.86	
15,915.00	90.84	179.52	7,550.24	-7,568.82	738.87	7,594.06	1.67	-1.31	1.03	
16,010.00	90.32	180.76	7,549.28	-7,663.82	738.64	7,688.95	1.42	-0.55	1.31	
16,106.00	88.71	182.04	7,550.09	-7,759.78	736.29	7,784.72	2.14	-1.68	1.33	
16,201.00	88.89	182.37	7,552.08	-7,854.69	732.64	7,879.37	0.40	0.19	0.35	
16,296.00	89.55	181.95	7,553.37	-7,949.61	729.06	7,974.05	0.82	0.69	-0.44	
16,391.00	90.29	181.81	7,553.51	-8,044.56	725.94	8,068.76	0.79	0.78	-0.15	
16,486.00	90.84	181.13	7,552.57	-8,139.52	723.50	8,163.53	0.92	0.58	-0.72	
16,582.00	91.43	180.63	7,550.67	-8,235.49	722.03	8,259.34	0.81	0.61	-0.52	
16,677.00	88.38	181.32	7,550.82	-8,330.47	720.41	8,354.15	3.29	-3.21	0.73	
16,772.00	88.14	181.01	7,553.71	-8,425.40	718.48	8,448.91	0.41	-0.25	-0.33	
16,867.00	88.75	180.12	7,556.29	-8,520.36	717.55	8,543.73	1.14	0.64	-0.94	
16,962.00	89.42	180.43	7,557.80	-8,615.35	717.09	8,638.60	0.78	0.71	0.33	
17,057.00	89.28	179.28	7,558.88	-8,710.34	717.33	8,733.51	1.22	-0.15	-1.21	
17,153.00	90.41	181.30	7,559.14	-8,806.33	716.85	8,829.39	2.41	1.18	2.10	
17,248.00	91.31	181.28	7,557.72	-8,901.30	714.71	8,924.17	0.95	0.95	-0.02	
17,343.00	91.71	180.90	7,555.21	-8,996.25	712.90	9,018.95	0.58	0.42	-0.40	
17,438.00	92.42	180.87	7,551.79	-9,091.17	711.43	9,113.71	0.75	0.75	-0.03	
17,533.00	92.60	180.15	7,547.63	-9,186.08	710.59	9,208.49	0.78	0.19	-0.76	
17,628.00	92.68	179.79	7,543.25	-9,280.98	710.64	9,303.30	0.39	0.08	-0.38	
17,723.00	92.04	178.45	7,539.34	-9,375.88	712.10	9,398.18	1.56	-0.67	-1.41	
17,818.00	90.71	177.23	7,537.06	-9,470.78	715.68	9,493.14	1.90	-1.40	-1.28	
17,914.00	92.21	179.87	7,534.62	-9,566.71	718.11	9,589.08	3.16	1.56	2.75	
18,009.00	92.21	180.09	7,530.95	-9,661.64	718.14	9,683.92	0.23	0.00	0.23	
18,104.00	92.41	179.87	7,527.12	-9,756.56	718.17	9,778.75	0.31	0.21	-0.23	
18,199.00	89.96	181.86	7,525.16	-9,851.52	716.74	9,873.55	3.32	-2.58	2.09	



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,294.00	89.48	182.02	7,525.62	-9,946.46	713.52	9,968.26	0.53	-0.51	0.17
18,389.00	90.86	183.11	7,525.34	-10,041.36	709.27	10,062.88	1.85	1.45	1.15
18,484.00	86.36	183.03	7,527.64	-10,136.17	704.18	10,157.38	4.74	-4.74	-0.08
18,579.00	86.46	180.74	7,533.59	-10,230.93	701.07	10,251.90	2.41	0.11	-2.41
18,674.00	86.34	180.29	7,539.56	-10,325.74	700.21	10,346.58	0.49	-0.13	-0.47
18,770.00	86.32	179.23	7,545.70	-10,421.54	700.62	10,442.31	1.10	-0.02	-1.10
18,865.00	89.17	180.62	7,549.44	-10,516.45	700.74	10,537.13	3.34	3.00	1.46
18,960.00	90.01	180.35	7,550.12	-10,611.45	699.93	10,632.00	0.93	0.88	-0.28
19,055.00	90.06	180.44	7,550.06	-10,706.44	699.28	10,726.88	0.11	0.05	0.09
19,150.00	89.58	179.82	7,550.36	-10,801.44	699.06	10,821.77	0.83	-0.51	-0.65
19,245.00	87.51	178.39	7,552.77	-10,896.39	700.55	10,916.70	2.65	-2.18	-1.51
19,340.00	87.50	178.33	7,556.91	-10,991.26	703.26	11,011.59	0.06	-0.01	-0.06
19,435.00	89.88	180.43	7,559.08	-11,086.22	704.29	11,106.50	3.34	2.51	2.21
19,528.00	90.43	180.70	7,558.83	-11,179.22	703.37	11,199.37	0.66	0.59	0.29
19,608.00	90.95	180.27	7,557.87	-11,259.21	702.70	11,279.25	0.84	0.65	-0.54
19,703.00	91.51	179.97	7,555.83	-11,354.18	702.50	11,374.13	0.67	0.59	-0.32
19,798.00	92.25	179.64	7,552.71	-11,449.13	702.82	11,469.00	0.85	0.78	-0.35
19,893.00	92.94	178.84	7,548.41	-11,544.03	704.08	11,563.85	1.11	0.73	-0.84
19,988.00	91.73	179.41	7,544.54	-11,638.93	705.53	11,658.73	1.41	-1.27	0.60
20,084.00	92.54	179.68	7,540.96	-11,734.86	706.29	11,754.60	0.89	0.84	0.28
20,179.00	91.51	180.28	7,537.61	-11,829.80	706.32	11,849.45	1.25	-1.08	0.63
20,274.00	88.96	181.68	7,537.22	-11,924.78	704.70	11,944.26	3.06	-2.68	1.47
20,369.00	87.75	180.75	7,539.94	-12,019.71	702.68	12,039.02	1.61	-1.27	-0.98
20,464.00	88.69	179.89	7,542.89	-12,114.66	702.15	12,133.85	1.34	0.99	-0.91
20,559.00	87.72	179.57	7,545.87	-12,209.61	702.60	12,228.73	1.08	-1.02	-0.34
20,654.00	88.56	180.76	7,548.95	-12,304.56	702.33	12,323.57	1.53	0.88	1.25
20,749.00	87.72	180.42	7,552.04	-12,399.51	701.35	12,418.38	0.95	-0.88	-0.36
20,844.00	91.52	181.70	7,552.67	-12,494.47	699.59	12,513.17	4.22	4.00	1.35
20,940.00	91.68	181.06	7,549.99	-12,590.40	697.28	12,608.91	0.69	0.17	-0.67
21,035.00	90.40	181.22	7,548.26	-12,685.37	695.39	12,703.70	1.36	-1.35	0.17
21,130.00	90.89	181.40	7,547.19	-12,780.33	693.22	12,798.48	0.55	0.52	0.19
21,225.00	90.22	181.01	7,546.27	-12,875.31	691.22	12,893.27	0.82	-0.71	-0.41
21,320.00	88.58	180.39	7,547.27	-12,970.29	690.06	12,988.11	1.85	-1.73	-0.65
21,415.00	90.61	180.86	7,547.94	-13,065.28	689.03	13,082.96	2.19	2.14	0.49
21,511.00	90.61	179.86	7,546.92	-13,161.27	688.42	13,178.83	1.04	0.00	-1.04
21,606.00	90.64	179.26	7,545.88	-13,256.26	689.15	13,273.76	0.63	0.03	-0.63
21,701.00	90.34	178.58	7,545.07	-13,351.24	690.94	13,368.73	0.78	-0.32	-0.72
21,796.00	89.33	181.37	7,545.34	-13,446.23	690.98	13,463.62	3.12	-1.06	2.94
21,891.00	89.54	181.73	7,546.28	-13,541.19	688.41	13,558.38	0.44	0.22	0.38
21,986.00	89.07	181.92	7,547.43	-13,636.13	685.39	13,653.10	0.53	-0.49	0.20
22,081.00	88.01	181.76	7,549.85	-13,731.05	682.34	13,747.79	1.13	-1.12	-0.17
22,176.00	86.46	181.98	7,554.43	-13,825.89	679.24	13,842.40	1.65	-1.63	0.23
22,271.00	88.24	182.88	7,558.83	-13,920.70	675.22	13,936.93	2.10	1.87	0.95
22,367.00	89.26	182.91	7,560.92	-14,016.55	670.37	14,032.48	1.06	1.06	0.03



Phoenix Survey Report



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Flaming Snail Federal Com 503H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3193.10usft (Nabors X48)
Site:	Flaming Snail Fed Com Proj.	MD Reference:	RKB @ 3193.10usft (Nabors X48)
Well:	Flaming Snail Federal Com 503H	North Reference:	Grid
Wellbore:	OH / 72344	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X48)	Database:	USAEDMDB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
22,462.00	91.13	182.43	7,560.60	-14,111.44	665.95	14,127.08	2.03	1.97	-0.51
22,557.00	91.48	181.96	7,558.43	-14,206.35	662.31	14,221.74	0.62	0.37	-0.49
22,652.00	91.58	181.87	7,555.90	-14,301.26	659.14	14,316.42	0.14	0.11	-0.09
22,747.00	91.24	180.69	7,553.56	-14,396.21	657.01	14,411.18	1.29	-0.36	-1.24
22,842.00	91.44	181.00	7,551.34	-14,491.17	655.61	14,505.99	0.39	0.21	0.33
22,937.00	91.57	180.80	7,548.84	-14,586.13	654.12	14,600.78	0.25	0.14	-0.21
23,032.00	91.91	179.85	7,545.96	-14,681.08	653.58	14,695.62	1.06	0.36	-1.00
23,128.00	92.07	179.03	7,542.62	-14,777.02	654.52	14,791.50	0.87	0.17	-0.85
23,223.00	92.07	178.36	7,539.19	-14,871.93	656.68	14,886.42	0.70	0.00	-0.71
23,247.00	91.86	178.31	7,538.37	-14,895.90	657.38	14,910.40	0.90	-0.88	-0.21
Final Intrepid MWD Survey									
23,271.46	91.86	178.31	7,537.58	-14,920.34	658.10	14,934.85	0.00	0.00	0.00
LTP: 23271.46' MD, 7537.58' TVD									
23,314.00	91.86	178.31	7,536.20	-14,962.84	659.36	14,977.36	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,902.00	6,758.10	915.79	777.96	Tie In
7,007.00	6,862.84	921.32	782.87	First Intrepid MWD Survey
7,326.93	7,173.21	871.04	785.74	FTP: 7326.93' MD, 7173.21' TVD
23,247.00	7,538.37	-14,895.90	657.38	Final Intrepid MWD Survey
23,271.46	7,537.58	-14,920.34	658.10	LTP: 23271.46' MD, 7537.58' TVD
23,314.00	7,536.20	-14,962.84	659.36	Projection to TD

Well Name: FLAMING SNAIL FEDERAL COM	Well Location: T25S / R27E / SEC 28 / NENW / 32.105605 / -104.198373	County or Parish/State: EDDY / NM
Well Number: 503H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM092167, NMNM92167	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001553646	Well Status: Producing Oil Well	Operator: COG OPERATING LLC

Subsequent Report

Sundry ID: 2765035

Type of Submission: Subsequent Report

Date Sundry Submitted: 12/07/2023

Date Operation Actually Began: 08/19/2023

Type of Action: Hydraulic Fracturing

Time Sundry Submitted: 12:29

Actual Procedure: 8/19/2023 Test 9 5/8" x 5 1/2" annulus to 1500#, 8/19/2023 Set CBD @ 23,245' and test csg to 11,646psi. Good Test. 9/10/2023 – 10/14/2023 Perf 7,846-23,237' (1860 shots, .42). Frac w/38,776,033# proppant in 916,108BBLs clean fluid. 11/2/2023 – 11/6/2023 Drilled out CPFs. Clean down to PBDT @ 23,269' 11/8/2023 Set 2 7/8 6.5# L-80tbg @ 7,038. Packer @ 7,021.

Received by OCD: 1/31/2024 2:29:09 PMPage 20 of 25

Well Name: FLAMING SNAIL FEDERAL COM	Well Location: T25S / R27E / SEC 28 / NENW / 32.105605 / -104.198373	County or Parish/State: EDDY / NM
Well Number: 503H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM092167, NMNM92167	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001553646	Well Status: Producing Oil Well	Operator: COG OPERATING LLC

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: DANIELLE WALKUP	Signed on: DEC 07, 2023 12:29 PM
Name: COG OPERATING LLC	
Title: Regulatory Technician	
Street Address: 600 W. ILLINOIS	
City: MIDLAND	State: TX
Phone: (432) 253-9685	
Email address: D.D.WALKUP@CONOCOPHILLIPS.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 12/15/2023
Signature: Jonathon Shepard	

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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 April 3, 2017				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ 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)						5. Lease Name or Unit Agreement Name Flaming Snail Federal Com 6. Well Number: 503H				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator COG Operating LLC						9. OGRID 229137				
10. Address of Operator 600 W Illinois Ave Midland, Tx, 79701						11. Pool name or Wildcat Hay Hollow; Bone Spring, North				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	C	28	25-S	27-E		957	North	1589	West	Eddy
BH:	N	4	26-S	27-E		58	South	2389	West	Eddy
13. Date Spudded 5/6/23	14. Date T.D. Reached 7/2/23		15. Date Rig Released 7/5/23		16. Date Completed (Ready to Produce) 12/27/23			17. Elevations (DF and RKB, RT, GR, etc.) 3161		
18. Total Measured Depth of Well 23314'			19. Plug Back Measured Depth 23269'		20. Was Directional Survey Made? Y			21. Type Electric and Other Logs Run CNL		
22. Producing Interval(s), of this completion - Top, Bottom, Name Bonespring										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375"		54.5#		421'		17.5"		500sx		
9.625"		40#		7055'		12.25"		1480sx		
5.5"		23#		23292'		8.75"		4365sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2.875	7038'	7021'		
26. Perforation record (interval, size, and number) Perf 7,846' – 23,237'(1860 Shots, .42)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. I				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						7,846' – 23,237'		Frac w/38,776,033# proppant in 916,108BBLS clean fluid		
28. PRODUCTION										
Date First Production 12/27/23		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Gas Lift				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 12/28/23	Hours Tested 24hrs	Choke Size 64/64	Prod'n For Test Period	Oil – Bbl 338	Gas – MCF 664	Water - Bbl. 4576	Gas - Oil Ratio 1964			
Flow Tubing Press. 387#	Casing Pressure 350#	Calculated 24- Hour Rate	Oil - Bbl. 338	Gas - MCF 664	Water - Bbl. 4576	Oil Gravity - API - (<i>Corr.</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold							30. Test Witnessed By			
31. List Attachments Completion Package with C102										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude				Longitude				NAD83		

Signature Kayla Estrada Printed Name Kayla Estrada Title Regulatory Coordinator Date 1/29/24
E-mail Address Kayla.l.estrada@conocophillips.com

CURRENT WELL SKETCH

API: 30-015-53646
SPUD: 5/17/2023
FRR: 7/5/2023
RIG: NABORS X48

FLAMING SNAIL FEDERAL COM 503H

HAY HOLLOW BONE SPRING
EDDY County

Sec	28	T/B	25-S	R/Svy	27-E
SHL:	957' FNL & 1589' FWL				
BHL:	58' FSL & 2389' FWL (est.)				
Sec	4	T/B	26-S	R/Svy	27-E
GL:	3,157'				
KB:	3,189'				
ZERO:	32'				

HOLE SIZE

MW (ppg)

BHST (°F)

Evaluation

17.5"

8.9

- o Logs

12.25"

9.7

No Logs

8.75"

9.6

137

Mud & Cased Hole logs

KOP @ 7,077'
EOC @ 8,070'
EOL @ 23,292'
TD @ 23,314'

Average TVD in Lateral	7,556'
------------------------	--------

Notes: Possible Non-wet Shoe

Production Casing	@	23,292'	
5.5	23 ppf	P110 CY	TXP-BTC
PBTD (FC):	23,270'		
MJ:	7,106'		
Floatation Collar:	8,044'		
Cmt Circulated:	No		
Crossover:	No XO		

fr/ Surf - 23,292'

Updated by:	Andrew Sm
Date:	8/9/2023

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

ACKNOWLEDGMENTS

Action 310041

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 310041
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(505) 334-6178 Fax:(505) 334-6170
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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 310041

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 310041
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days of BLM approval.	4/17/2024