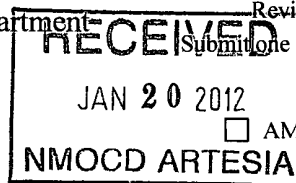


District I
1625 N French Dr, Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-0720
District II
811 S First St, Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S St Francis Dr, Santa 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 30-015-39105	² Pool Code 16800	³ Pool Name Delaware River; Bone Spring
⁴ Property Code 38527	⁵ Property Name Diamondback 22 State Com	
⁷ OGRID No. 217955	⁸ Operator Name COG Production LLC	
		⁶ Well Number 2H
		⁹ Elevation 2981' GR

¹⁰ Surface Location

UL or lot no. D	Section 22	Township 26S	Range 28E	Lot Idn	Feet from the 580	North/South line North	Feet from the 580	East/West line West	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. M	Section 22	Township 26S	Range 28E	Lot Idn	Feet from the 307	North/South line South	Feet from the 356	East/West line West	County Eddy
---------------------------	----------------------	------------------------	---------------------	---------	-----------------------------	----------------------------------	-----------------------------	-------------------------------	-----------------------

¹² Dedicated Acres 160	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.

				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature 1/17/12 Date Stormi Davis Printed Name sdavis@concho.com E-mail Address
				¹⁸ 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. Date of Survey Signature and Seal of Professional Surveyor REFER TO ORIGINAL PLAT Certificate Number

30015.39105

Job Number: ☐
 Company: ☐
 Lease/Well: ☐
 Location: ☐
 Rig Name: ☐
 RKB: ☐
 G.L. or M.S.L.: ☐

State/Country: ☐
 Declination: ☐
 Grid: ☐
 File name: F:\1110410.SVY
 Date/Time: 03-Aug-11 / 12:42
 Curve Name: Diamondback 2H

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 183.03
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

RECEIVED

AUG 8 2011

NMOCD ARTESIA

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
6047.00	1.99	203.40	6045.69	13.96	-16.16	-13.09	21.35	310.82	.00
6070.00	1.60	197.40	6068.68	13.29	-16.41	-12.40	21.12	308.99	1.88
6101.00	2.00	191.80	6099.66	12.34	-16.65	-11.45	20.73	306.55	1.41
6133.00	6.50	182.50	6131.57	9.99	-16.85	-9.08	19.59	300.66	14.18
6164.00	11.60	179.10	6162.17	5.11	-16.88	-4.22	17.63	286.86	16.53
6195.00	16.80	180.70	6192.21	-2.49	-16.88	3.38	17.06	261.62	16.82
6226.00	21.70	184.00	6221.47	-12.69	-17.34	13.59	21.48	233.80	16.19
6257.00	26.30	190.00	6249.79	-25.18	-18.93	26.14	31.50	216.94	16.78
6288.00	29.40	193.30	6277.20	-39.35	-21.87	40.45	45.02	209.07	11.16
6320.00	31.70	191.70	6304.75	-55.23	-25.39	56.50	60.79	204.69	7.62
6351.00	35.20	189.00	6330.62	-72.04	-28.44	73.44	77.45	201.54	12.27
6382.00	38.70	184.00	6355.39	-90.54	-30.51	92.03	95.54	198.62	14.87
6413.00	41.40	179.70	6379.12	-110.46	-31.13	111.96	114.77	195.74	12.47
6444.00	45.20	178.90	6401.68	-131.72	-30.87	133.17	135.29	193.19	12.38
6475.00	49.20	179.00	6422.74	-154.46	-30.45	155.85	157.43	191.15	12.91
6506.00	51.90	180.10	6442.44	-178.39	-30.27	179.74	180.94	189.63	9.13
6538.00	54.20	181.10	6461.67	-203.96	-30.54	205.29	206.23	188.52	7.61
6569.00	57.40	182.10	6479.09	-229.59	-31.26	230.92	231.70	187.75	10.66
6600.00	59.50	183.20	6495.31	-255.97	-32.48	257.33	258.03	187.23	7.42
6631.00	60.50	183.40	6510.81	-282.77	-34.03	284.18	284.81	186.86	3.27
6662.00	62.80	183.40	6525.53	-310.01	-35.65	311.46	312.05	186.56	7.42
6693.00	67.20	182.70	6538.63	-338.06	-37.14	339.55	340.09	186.27	14.34
6725.00	71.60	182.20	6549.89	-367.97	-38.42	369.49	369.97	185.96	13.83

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6756.00	74.70	182.10	6558.87	-397.62	-39.53	399.15	399.58	185.68	10.00
6787.00	78.40	182.10	6566.08	-427.74	-40.64	429.29	429.67	185.43	11.94
6858.00	87.50	183.40	6574.79	-498.05	-44.02	499.68	499.99	185.05	12.94
6951.00	91.80	184.80	6575.35	-590.79	-50.67	592.64	592.95	184.90	4.86
7045.00	93.60	184.00	6570.93	-684.40	-57.87	686.50	686.84	184.83	2.10
7138.00	92.60	184.30	6565.90	-777.02	-64.59	779.35	779.70	184.75	1.12
7232.00	91.30	184.40	6562.70	-870.69	-71.72	873.27	873.64	184.71	1.39
7326.00	87.80	184.10	6563.44	-964.42	-78.68	967.23	967.62	184.66	3.74
7419.00	88.40	183.20	6566.52	-1057.17	-84.60	1060.17	1060.55	184.58	1.16
7513.00	88.90	183.40	6568.74	-1150.99	-90.01	1154.14	1154.51	184.47	.57
7607.00	87.90	183.40	6571.36	-1244.79	-95.58	1248.10	1248.45	184.39	1.06
7700.00	89.80	182.50	6573.23	-1337.64	-100.37	1341.08	1341.40	184.29	2.26
7795.00	89.70	182.70	6573.64	-1432.54	-104.68	1436.07	1436.36	184.18	.24
7888.00	90.10	182.60	6573.80	-1525.44	-108.98	1529.07	1529.33	184.09	.44
7982.00	89.60	182.00	6574.05	-1619.37	-112.75	1623.06	1623.29	183.98	.83
8076.00	88.50	181.40	6575.61	-1713.31	-115.54	1717.02	1717.20	183.86	1.33
8170.00	89.10	180.80	6577.58	-1807.27	-117.34	1810.95	1811.08	183.71	.90
8264.00	90.30	181.70	6578.07	-1901.25	-119.39	1904.90	1904.99	183.59	1.60
8357.00	90.30	181.50	6577.58	-1994.21	-121.99	1997.87	1997.94	183.50	.22
8450.00	90.20	181.00	6577.18	-2087.18	-124.02	2090.82	2090.87	183.40	.55
8544.00	92.00	181.60	6575.37	-2181.14	-126.15	2184.76	2184.78	183.31	2.02
8638.00	90.40	183.30	6573.40	-2275.03	-130.17	2278.73	2278.75	183.27	2.48
8731.00	90.50	182.50	6572.67	-2367.90	-134.87	2371.72	2371.74	183.26	.87
8824.00	89.60	181.70	6572.59	-2460.84	-138.28	2464.71	2464.72	183.22	1.29
8918.00	90.90	182.20	6572.18	-2554.78	-141.48	2558.69	2558.70	183.17	1.48
9011.00	91.00	181.60	6570.64	-2647.72	-144.56	2651.66	2651.66	183.13	.65
9104.00	90.20	182.90	6569.67	-2740.64	-148.21	2744.64	2744.64	183.10	1.64
9198.00	90.40	183.10	6569.17	-2834.51	-153.13	2838.64	2838.64	183.09	.30
9292.00	90.70	183.80	6568.27	-2928.33	-158.79	2932.63	2932.63	183.10	.81
9385.00	90.00	184.10	6567.70	-3021.11	-165.19	3025.62	3025.62	183.13	.82
9479.00	87.10	183.30	6570.08	-3114.87	-171.26	3119.57	3119.58	183.15	3.20
9572.00	86.50	182.10	6575.27	-3207.62	-175.63	3212.42	3212.43	183.13	1.44
9666.00	89.00	183.40	6578.96	-3301.43	-180.14	3306.34	3306.34	183.12	3.00
9761.00	87.60	182.40	6581.78	-3396.26	-184.94	3401.29	3401.30	183.12	1.81
9855.00	88.30	183.70	6585.14	-3490.07	-189.94	3495.23	3495.23	183.12	1.57
9948.00	90.80	183.60	6585.87	-3582.87	-195.86	3588.21	3588.22	183.13	2.69
10041.00	90.50	183.50	6584.82	-3675.68	-201.62	3681.20	3681.21	183.14	.34
10135.00	91.30	182.00	6583.34	-3769.56	-206.13	3775.19	3775.19	183.13	1.81
10230.00	89.50	182.70	6582.68	-3864.47	-210.02	3870.17	3870.18	183.11	2.03
10324.00	91.30	181.50	6582.02	-3958.40	-213.47	3964.15	3964.16	183.09	2.30
10417.00	93.30	180.50	6578.29	-4051.31	-215.09	4057.01	4057.01	183.04	2.40
10511.00	92.90	180.90	6573.21	-4145.16	-216.24	4150.80	4150.80	182.99	.60
10604.00	92.40	181.90	6568.91	-4238.04	-218.51	4243.66	4243.66	182.95	1.20 ←

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
10698.00	92.00	181.70	6565.30	-4331.92	-221.46	4337.57	4337.58	182.93	.48
TD									
10723.00	91.80	181.80	6564.47	-4356.89	-222.22	4362.55	4362.56	182.92	.89
STRAIGHT LINE PTB AT TD 11' high and 8' left									
10775.00	91.80	181.80	6562.84	-4408.84	-223.85	4414.51	4414.52	182.91	.00 ←

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

RECEIVED
JAN 20 2012
NMOCD ARTESIA

Form C-105
Revised August 1, 2011

1. WELL API NO.
30-015-39105

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:
☒ 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
Diamondback 22 State Com

6. Well Number
2H

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator
COG Production LLC

9. OGRID
217955

10. Address of Operator
2208 W. Main Street
Artesia, NM 88210

11 Pool name or Wildcat
Delaware River; Bone Spring

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	22	26S	28E		580	North	580	West	Eddy
BH:	M	22	26S	28E		307	South	356	West	Eddy

13. Date Spudded
6/30/11

14. Date T.D. Reached
8/2/11

15. Date Rig Released
8/5/11

16 Date Completed (Ready to Produce)
12/10/11

17 Elevations (DF and RKB, RT, GR, etc.)
2981' GR

18. Total Measured Depth of Well
10775'

19 Plug Back Measured Depth
10732'

20. Was Directional Survey Made?
Yes

21 Type Electric and Other Logs Run
Lateralog, Sonic, CNL

22 Producing Interval(s), of this completion - Top, Bottom, Name
7022-10647' Bone Spring

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB /FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	426'	17 1/2"	450 sx	0
8 5/8"	32#	2525'	11"	711 sx	0
5 1/2"	17#	10772'	7 7/8"	1525 sx (TOC@300' - CBL)	0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25 TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26 Perforation record (interval, size, and number)
7022-10647'

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL
7022-10647'
AMOUNT AND KIND MATERIAL USED
Acadz w/515808 gal 15%; Frac w/3635435# sand & 3496668 gal fluid

PRODUCTION

Date First Production
12/11/11

Production Method (Flowing, gas lift, pumping - Size and type pump)
Flowing

Well Status (Prod or Shut-in)
Producing

Date of Test 1/16/12	Hours Tested 24	Choke Size 40/64"	Prod'n For Test Period	Oil - Bbl 614	Gas - MCF 2212	Water - Bbl 1259	Gas - Oil Ratio
Flow Tubing Press	Casing Pressure 1125#	Calculated 24-Hour Rate	Oil - Bbl 614	Gas - MCF 2212	Water - Bbl. 1259	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

30. Test Witnessed By
Adam Olguin

31. List Attachments
Directional Survey, Logs

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:

Accepted for record
NMOCD 10/9/12/2012

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
Stormi Davis

Printed Name: Stormi Davis

Title Regulatory Analyst

Date: 1/17/12

E-mail Address: sdavis@concho.com

This form
deepened
copy of al

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico			Northwestern New Mexico	
T. Anhy	T. Canyon		T. Ojo Alamo	T. Penn A"
T. Salt 723'	T. Strawn		T. Kirtland	T. Penn. "B"
B. Salt 2269'	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 2529'		T. Morrison	
T. Drinkard	T. Bone Springs 6200'		T. Todilto	
T. Abo	T.		T. Entrada	
T. Wolfcamp	T.		T. Wingate	
T. Penn	T.		T. Chinle	
T. Cisco (Bough C)	T.		T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....

No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

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

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 COG Production LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 217955
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-39105	⁵ Pool Name Delaware River; Bone Spring	⁶ Pool Code 16800
⁷ Property Code 38527	⁸ Property Name Diamondback 22 State Com	⁹ Well Number 2H

II. ¹⁰ Surface Location

Ul or lot no. D	Section 22	Township 26S	Range 28E	Lot Idn	Feet from the 580	North/South Line North	Feet from the 580	East/West line West	County Eddy
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	----------------

¹¹ Bottom Hole Location

Ul or lot no. M	Section 22	Township 26S	Range 28E	Lot Idn	Feet from the 307	North/South Line South	Feet from the 356	East/West line West	County Eddy
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 12/11/11	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

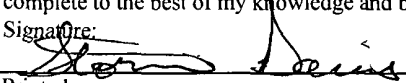
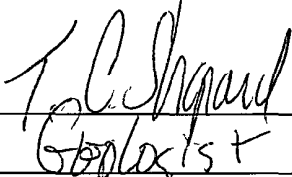
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
265309	Permian Transport and Trading 415 W. Wall - Ste 1000 Midland, TX 79701	O
241472	Southern Union Gas Services, Ltd 301 Commerce Street - Ste 700 Fort Worth, TX 76102	G
RECEIVED JAN 20 2012 NMOCD ARTESIA		

IV. Well Completion Data

²¹ Spud Date 6/30/11	²² Ready Date 12/10/11	²³ TD 10775'	²⁴ PBSD 10732'	²⁵ Perforations 7022-10647'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	426'	450 sx		
11"	8 5/8"	2525'	711 sx		
7 7/8"	5 1/2"	10772'	1525 sx (TOC @ 300' - CBL)		

V. Well Test Data

³¹ Date New Oil 12/11/11	³² Gas Delivery Date 12/11/11	³³ Test Date 1/16/12	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1125#
³⁷ Choke Size 40/64"	³⁸ Oil 614	³⁹ Water 1259	⁴⁰ Gas 2212		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: 			OIL CONSERVATION DIVISION		
Printed name: Stormi Davis			Approved by: 		
Title: Regulatory Analyst			Title: Geologist		
E-mail Address: sdavis@concho.com			Approval Date: 1/20/2012		
Date: 1/16/12		Phone: 575-748-6946			