

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N French Dr, Hobbs, NM 88240 District II 1301 W Grand Avenue, 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 June 10, 2003 WELL API NO. 30-015-35726 5. Indicate Type of Lease STATE ☒ FEE ☐ State Oil & Gas Lease No.											
WELL COMPLETION OR RECOMPLETION REPORT AND LOG															
1a Type of Well OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____ b Type of Completion NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF WELL OVER BACK RESVR ☐ OTHER _____				7. Lease Name or Unit Agreement Name Dasher 16 State											
2 Name of Operator COG Operating LLC JAN 11 2008				8 Well No. 001											
3 Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701 OCD-ARTESIA				9 Pool name or Wildcat Wildcat;Glorieta Yeso											
4 Well Location Unit Letter <u>P</u> <u>330</u> Feet From The <u>South</u> Line and <u>330</u> Feet From The <u>East</u> Line Section <u>16</u> Township <u>16S</u> Range <u>30E</u> NMPM County Eddy															
10 Date Spudded 09/14/07		11. Date T D Reached 10/04/07		12. Date Compl (Ready to Prod.) 12/20/07											
13. Elevations (DF& RKB, RT, GR, etc) 3793 GR		14 Elev. Casinghead		15 Total Depth 7950											
16. Plug Back T.D 7523		17 If Multiple Compl. How Many Zones? 7523		18 Intervals Drilled By X											
19 Producing Interval(s), of this completion - Top, Bottom, Name 4461 - 4674 Paddock				20 Was Directional Survey Made No											
21 Type Electric and Other Logs Run CN / HNGS, Micro CFL / HNGS				22 Was Well Cored No											
23. 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	608	17-1/2	930											
9-5/8	40	3128	12-1/4	1100											
7	26	7950	8-3/4	700											
24. LINER RECORD			25. TUBING RECORD												
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE										
					2-7/8										
26 Perforation record (interval, size, and number) 4461 - 4674 - 25 holes Open, CIBP @ 7550 7656 - 7663 - 2 SPF, 14 holes Closed 7633 - 7618 - 2 SPF, 30 holes Closed 7684 - 7697 - 4 SPF, 52 holes Closed			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:40%;">DEPTH INTERVAL</th> <th style="width:60%;">AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>4461 - 4674</td> <td>Acidize w/4600 gal acid. Frac w/60,207 gals 21# treated wtr, 60,750# 16/30 Ottawa sand.</td> </tr> <tr> <td>7656 - 7663</td> <td>Acidized w/1,500 gal acid.</td> </tr> <tr> <td>7663 - 7618</td> <td>Acidized w/2,000 gal acid.</td> </tr> <tr> <td>7684 - 7697</td> <td>Acidized w/2,000 gal acid.</td> </tr> </table>			DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	4461 - 4674	Acidize w/4600 gal acid. Frac w/60,207 gals 21# treated wtr, 60,750# 16/30 Ottawa sand.	7656 - 7663	Acidized w/1,500 gal acid.	7663 - 7618	Acidized w/2,000 gal acid.	7684 - 7697	Acidized w/2,000 gal acid.
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28. PRODUCTION															
Date First Production 12/23/07		Production Method (Flowing, gas lift, pumping - Size and type pump) 2-1/2" x 2" x 20' RHTC pump		Well Status (Prod or Shut-in) Producing											
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF										
12/23/07	24			11	0										
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl.										
					110										
29 Disposition of Gas (Sold, used for fuel, vented, etc)				Test Witnessed By Kent Greenway											
30 List Attachments Logs, C102, C103, Deviation Report, C104															
31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief															
Signature		Printed Name Kanicia Carrillo		Title Regulatory Analyst	Date 01/10/07										
E-mail Address kcarrillo@conchoresources.com 432-685-4332															

INSTRUCTIONS

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. It 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 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105

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. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates 1392	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen 2200	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 2924	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 4390	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinbry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Spring	T. Entrada	T.
T. Abo 6404	T. Yeso 4450	T. Wingate	T.
T. Wolfcamp 7612	<u>T. Mississippian</u>	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

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

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

No. 2, 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
1301 W. Grand Avenue, 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 Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35726	Pool Code	Pool Name Wildcat; Glorieta-Yeso
Property Code 36623	Property Name DASHER "16" STATE	Well Number 1
OGRID No. 229137	Operator Name C.O.G. OPERATING L.L.C.	Elevation 3793'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	16	16 S	30 E		330	SOUTH	330	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	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

<td colspan="2"> 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 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. <u>Kanicia Carrillo</u> 01/09/08 Signature Date Kanicia Carrillo Printed Name </td>	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 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. <u>Kanicia Carrillo</u> 01/09/08 Signature Date Kanicia Carrillo Printed Name	
	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. JUNE 05, 2007 Date Surveyed <u>Gary L. Jones</u> Signature of Professional Surveyor Professional Surveyor No. 7977 7977 2024 Certificate No. Gary L. Jones 7977 BASIN SURVEYS	
	SURFACE LOCATION LAT-N32°54'54.87" LONG-W103°58'10.11" SPC- 696892.478 652994.758 (NAD-83) 330' S.L.	
	330'	

A Gyrodata Directional Survey

for

COG OPERATING

Lease: Dasher 16 State Well: No.1, 4-1/2" Drillpipe
Location: Patterson #74, Eddy County, New Mexico

Job Number: MD1007G_327

Run Date: 10/11/2007 12:35:26 PM

Surveyor: Henry Drew

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.915000 deg. N Longitude: 103.968806 deg. W

Azimuth Correction:

Gyro: -0.20000 deg West to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

COG Operating

Lease: Dasher 16 State Well: No.1, 4-1/2" Drillpipe

Location: Patterson #74, Eddy County, New Mexico

Job Number: MD1007G_327

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0 - 7916 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATTERSON DRLNG RIG #74 R.K.B.							

200.00	0.57	284.18	N 75 49 W	0.29	200.00	1.0 284.2	0.25 N 0.97 W
400.00	0.42	312.65	N 47 21 W	0.14	399.99	2.7 291.7	0.99 N 2.48 W
600.00	0.83	44.57	N 44 34 E	0.47	599.98	3.2 321.6	2.53 N 2.00 W
800.00	1.17	48.89	N 48 53 E	0.17	799.95	4.9 6.5	4.91 N 0.55 E
1000.00	0.86	68.48	N 68 29 E	0.23	999.92	7.6 27.2	6.80 N 3.49 E
1200.00	0.94	60.66	N 60 40 E	0.07	1199.89	10.3 37.8	8.15 N 6.32 E
1400.00	0.71	73.51	N 73 30 E	0.14	1399.87	12.9 43.8	9.30 N 8.93 E
1600.00	0.77	86.55	N 86 33 E	0.09	1599.86	15.0 49.6	9.74 N 11.46 E
1800.00	0.34	90.65	S 89 21 E	0.22	1799.85	16.6 53.8	9.81 N 13.39 E
2000.00	0.36	69.33	N 69 20 E	0.06	1999.84	17.7 55.4	10.02 N 14.55 E
2200.00	0.44	60.60	N 60 36 E	0.05	2199.84	19.0 56.1	10.62 N 15.80 E
2400.00	0.55	46.07	N 46 4 E	0.08	2399.83	20.7 55.8	11.66 N 17.16 E
2600.00	0.52	3.73	N 3 44 E	0.19	2599.82	22.3 53.5	13.24 N 17.91 E
2800.00	0.41	336.08	N 23 55 W	0.12	2799.82	23.1 50.1	14.80 N 17.68 E
3000.00	0.50	326.21	N 33 47 W	0.06	2999.81	23.4 46.3	16.18 N 16.91 E
3100.00	0.47	328.87	N 31 8 W	0.04	3099.81	23.6 44.3	16.89 N 16.45 E
3200.00	0.33	337.97	N 22 2 W	0.15	3199.80	23.8 42.7	17.50 N 16.14 E
3300.00	0.15	326.30	N 33 42 W	0.18	3299.80	24.0 41.7	17.88 N 15.95 E
3400.00	0.04	77.54	N 77 32 E	0.17	3399.80	24.0 41.5	18.00 N 15.91 E
3500.00	0.04	78.12	N 78 7 E	0.00	3499.80	24.1 41.6	18.01 N 15.98 E

A Gyrodata Directional Survey

COG Operating

Lease: Dasher 16 State Well: No.1, 4-1/2" Drillpipe

Location: Patterson #74, Eddy County, New Mexico

Job Number: MD1007G_327

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
3600.00	0.03	352.35	N 7 39 W	0.05	3599.80	24.1 41.6	18.05 N 16.01 E
3700.00	0.26	41.91	N 41 55 E	0.24	3699.80	24.4 41.5	18.25 N 16.16 E
3800.00	0.26	53.10	N 53 6 E	0.05	3799.80	24.8 41.6	18.56 N 16.49 E
3900.00	0.35	63.03	N 63 2 E	0.11	3899.80	25.3 42.0	18.83 N 16.95 E
4000.00	0.39	46.31	N 46 19 E	0.12	3999.80	26.0 42.3	19.21 N 17.47 E
4100.00	0.49	59.45	N 59 27 E	0.14	4099.80	26.7 42.6	19.66 N 18.08 E
4200.00	0.47	53.48	N 53 29 E	0.05	4199.79	27.5 43.0	20.12 N 18.78 E
4300.00	0.31	58.10	N 58 6 E	0.16	4299.79	28.2 43.3	20.50 N 19.34 E
4400.00	0.35	44.76	N 44 46 E	0.09	4399.79	28.8 43.5	20.87 N 19.78 E
4500.00	0.31	40.11	N 40 7 E	0.04	4499.79	29.3 43.5	21.29 N 20.17 E
4600.00	0.18	37.35	N 37 21 E	0.14	4599.79	29.8 43.4	21.62 N 20.44 E
4700.00	0.25	39.45	N 39 27 E	0.07	4699.79	30.1 43.3	21.91 N 20.67 E
4800.00	0.23	39.32	N 39 19 E	0.01	4799.78	30.5 43.3	22.24 N 20.94 E
4900.00	0.29	15.72	N 15 43 E	0.12	4899.78	31.0 43.0	22.63 N 21.14 E
5000.00	0.26	1.09	N 1 5 E	0.07	4999.78	31.4 42.6	23.10 N 21.21 E
5100.00	0.30	348.58	N 11 25 W	0.07	5099.78	31.7 41.9	23.59 N 21.16 E
5200.00	0.23	330.92	N 29 5 W	0.10	5199.78	31.9 41.2	24.02 N 21.01 E
5300.00	0.23	3.36	N 3 22 E	0.13	5299.78	32.1 40.6	24.41 N 20.92 E
5400.00	0.07	290.00	N 70 0 W	0.22	5399.78	32.3 40.3	24.63 N 20.88 E
5500.00	0.22	340.87	N 19 8 W	0.18	5499.78	32.4 39.9	24.83 N 20.76 E
5600.00	0.18	343.95	N 16 3 W	0.04	5599.78	32.5 39.4	25.16 N 20.65 E
5700.00	0.25	317.94	N 42 4 W	0.12	5699.78	32.7 38.8	25.47 N 20.46 E
5800.00	0.27	317.24	N 42 46 W	0.02	5799.78	32.7 38.0	25.81 N 20.15 E
5900.00	0.40	325.84	N 34 9 W	0.13	5899.77	32.9 37.0	26.28 N 19.79 E

A Gyrodata Directional Survey

COG Operating

Lease: Dasher 16 State Well: No.1, 4-1/2" Drillpipe

Location: Patterson #74, Eddy County, New Mexico

Job Number: MD1007G_327

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
6000.00	0.35	327.80	N 32 12 W	0.05	5999.77	33.1 35.9	26.82 N 19.43 E
6100.00	0.27	308.76	N 51 14 W	0.13	6099.77	33.3 35.0	27.22 N 19.09 E
6200.00	0.26	290.13	N 69 52 W	0.09	6199.77	33.2 34.3	27.45 N 18.69 E
6300.00	0.33	311.96	N 48 2 W	0.13	6299.77	33.2 33.4	27.72 N 18.26 E
6400.00	0.38	300.13	N 59 52 W	0.09	6399.77	33.2 32.3	28.08 N 17.76 E
6500.00	0.28	300.62	N 59 23 W	0.10	6499.76	33.2 31.3	28.37 N 17.27 E
6600.00	0.27	270.19	N 89 49 W	0.15	6599.76	33.1 30.5	28.50 N 16.82 E
6700.00	0.24	272.86	N 87 8 W	0.04	6699.76	32.9 29.9	28.51 N 16.38 E
6800.00	0.22	34.24	N 34 14 E	0.40	6799.76	33.0 29.6	28.68 N 16.28 E
6900.00	0.31	33.34	N 33 20 E	0.09	6899.76	33.4 29.6	29.06 N 16.54 E
7000.00	0.28	33.13	N 33 8 E	0.03	6999.76	33.9 29.7	29.49 N 16.82 E
7100.00	0.24	47.57	N 47 34 E	0.08	7099.76	34.4 29.8	29.83 N 17.10 E
7200.00	0.28	37.43	N 37 26 E	0.07	7199.76	34.8 30.0	30.17 N 17.40 E
7300.00	0.28	37.93	N 37 56 E	0.00	7299.76	35.3 30.1	30.56 N 17.70 E
7400.00	0.31	42.91	N 42 55 E	0.04	7399.76	35.8 30.2	30.95 N 18.04 E
7500.00	0.32	33.17	N 33 10 E	0.05	7499.75	36.4 30.4	31.39 N 18.38 E
7600.00	0.29	45.18	N 45 11 E	0.07	7599.75	36.9 30.5	31.80 N 18.71 E
7700.00	0.35	33.57	N 33 34 E	0.09	7699.75	37.4 30.6	32.23 N 19.06 E
7800.00	0.25	39.92	N 39 55 E	0.10	7799.75	38.0 30.7	32.65 N 19.36 E
7900.00	0.31	14.02	N 14 1 E	0.14	7899.75	38.4 30.6	33.07 N 19.57 E
7916.00	0.23	25.72	N 25 43 E	0.57	7915.75	38.5 30.6	33.14 N 19.59 E

Final Station Closure: Distance: 38.50 ft Az: 30.59 deg.

COG Operating
Well: Dasher 16 State No.1 4-1/2" Drillpipe
Location: Patterson #74, Eddy County, New Mexico

Inrun.
Gyrodata
MD1007G_327 DEFINITIVE

