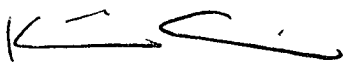


Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N French Dr., Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S St Francis Dr., Santa Fe, NM 87505		State of New Mexico 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. 30-015-32502		5. Indicate Type of Lease STATE ☒ FEE ☐	
		State Oil & Gas Lease No. E-4201		State Oil & Gas Lease No. E-4201	
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 State S-19	
2 Name of Operator COG Operating LLC				8 Well No 6	
3 Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701				9 Pool name or Wildcat Empire; Glorieta-Yeso 96210	
4 Well Location Unit Letter <u>J</u> <u>1650</u> Feet From The <u>South</u> Line and <u>2310</u> Feet From The <u>East</u> Line Section <u>19</u> Township <u>17S</u> Range <u>29E</u> NMPM Eddy County					
10 Date Spudded 05/25/02		11 Date T D Reached 08/12/08		12. Date Compl. (Ready to Prod) 09/02/08	
13 Elevations (DF& RKB, RT, GR, etc) 3671' GR		14 Elev Casinghead		15. Total Depth 5435'	
16 Plug Back T D 5360'		17 If Multiple Compl How Many Zones? 5360'		18 Intervals Drilled By Rotary Tools Yes	
19 Producing Interval(s), of this completion - Top, Bottom, Name 4320' - 4905' - Blinebry				20 Was Directional Survey Made No	
21 Type Electric and Other Logs Run Photo Density Gamma Ray, Neutron/HNGS, Hi-Res Laterolog				22. Was Well Cored No	
23. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT LB /FT		DEPTH SET	
13 3/8		48#		356'	
8 5/8		24#		801'	
5 1/2		17#		4224'	
4		11.3#		4130'	
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
25. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
2 7/8	4154				
26. PERFORATION RECORD (interval, size, and number) CHANGE THESE TO CONT 12 PERFS 3818 - 4149 Squeezed Off 4320 - 4520, 2 SPF, 32 holes 4610 - 4810, 2 SPF, 32 holes 4905 - 5105, 2 SPF, 42 holes					
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
4320 - 4520		See Attached			
4610 - 4810		See Attached			
4905 - 5105		See Attached			
28. PRODUCTION					
Date First Production 09/03/08		Production Method (Flowing, gas lift, pumping - Size and type pump) 2 1/2"x1 1/2"x16' RHTC Pump			Well Status (Prod or Shut-in) Producing
Date of Test 09/07/08	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 63	Gas - MCF 18
				Water - Bbl 46	Gas - Oil Ratio 3500
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl.
					Oil Gravity - API - (Corr) 38.1
29 Disposition of Gas (Sold, used for fuel, vented, etc.) Sold					Test Witnessed By Kent Greenway
30. List Attachments C-104, C-103, Frac Info, Logs					
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 09/24/08
E-mail Address kcarrillo@conchoresources.com					

State S-19 #6
API#: 30-015-32502
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4320 - 4520	Acidize w/2500 gals 15% HCL
	Frac w/122,000 gal 20# lightning; 164,400#
	30/50 sand, 55,500# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4610 - 4810	Acidize w/2500 gal 15% HCL
	Frac w/115,000 gal 20# Lightning; 151,300#
	30/50 sand, 31,000# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4905 - 5105	Acidize w/2500 gals 15% HCL
	Frac w/116,000 gal 20# Lightning; 161,400#
	30/50 sand, 32,100# 16/30 sand.

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-32502	² Pool Code 96210	³ Pool Name Empire; Glorieta, Yeso
⁴ Property Code 302569	⁵ Property Name State S-19	
⁷ OGRID No. 229137	⁸ Operator Name COG OPERATING LLC	
		⁶ Well Number 6
		⁹ Elevation 3671

¹⁰ Surface Location

UL or lot no. J	Section 19	Township 17S	Range 29E	Lot Idn	Feet from the 1650	North/South line South	Feet from the 2310	East/West line East	County Eddy
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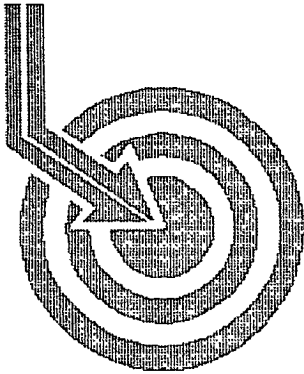
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature Printed Name Kanicia Carrillo Title and E-mail Address Regulatory Analyst Date 04/22/08
	¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Referred Original Plat Date of Survey Signature and Seal of Professional Surveyor
	Certificate Number



Scientific Drilling

COG RESOURCES

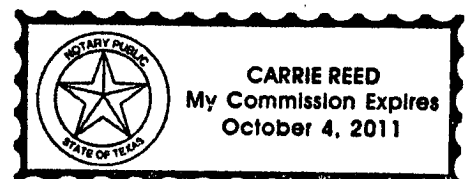
Field: Blinebry
Site: Eddy County, NM
Well: State S 19 #6
Wellpath: VH - Job #32K0808634
Survey: 08/16/08

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Luwarto..... Company Representative

Notorized this date 9th of September, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: COG RESOURCES	Date: 09/09/2008	Time: 11:26:41	Page: 1
Field: Blinberry	Co-ordinate(NE) Reference:	Site: Eddy County, NM, True North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: State S 19 #6	Section (VS) Reference:	Well (0.00N,0.00E,159.68Azi)	
Wellpath: VH - Job #32K0808634	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 08/16/08	Start Date: 08/16/2008
Company: Scientific Drilling Internatio	Engineer: Pena w/Halliburton
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.45	154.10	100.00	0.39	-0.35	0.17	0.45	0.39	154.10
200.00	0.31	326.78	200.00	0.52	-0.48	0.19	0.76	0.52	157.91
300.00	0.38	254.52	300.00	0.23	-0.34	-0.27	0.41	0.44	218.56
400.00	0.11	279.43	400.00	0.15	-0.42	-0.69	0.28	0.80	238.86
500.00	0.37	297.25	499.99	-0.14	-0.25	-1.07	0.27	1.10	256.76
600.00	0.37	231.10	599.99	-0.27	-0.31	-1.61	0.40	1.64	259.20
700.00	0.20	3.21	699.99	-0.33	-0.34	-1.85	0.53	1.88	259.73
800.00	0.29	20.98	799.99	-0.68	0.08	-1.75	0.12	1.75	272.47
900.00	0.07	290.89	899.99	-0.91	0.33	-1.71	0.30	1.75	281.01
1000.00	0.20	212.09	999.99	-0.84	0.21	-1.86	0.20	1.88	276.35
1100.00	0.21	235.85	1099.99	-0.69	-0.04	-2.11	0.08	2.11	268.83
1200.00	0.12	306.64	1199.99	-0.74	-0.08	-2.34	0.20	2.35	267.96
1300.00	0.11	311.03	1299.99	-0.91	0.04	-2.50	0.01	2.50	270.96
1400.00	0.20	261.72	1399.99	-1.03	0.08	-2.75	0.15	2.75	271.66
1500.00	0.13	318.34	1499.99	-1.17	0.14	-2.99	0.17	3.00	272.67
1600.00	0.13	300.65	1599.99	-1.36	0.28	-3.17	0.04	3.18	275.09
1700.00	0.28	273.85	1699.99	-1.55	0.36	-3.51	0.17	3.53	275.80
1800.00	0.39	257.72	1799.99	-1.70	0.30	-4.09	0.14	4.10	274.20
1900.00	0.33	272.29	1899.98	-1.86	0.24	-4.71	0.11	4.71	272.91
2000.00	0.73	255.23	1999.98	-2.03	0.09	-5.61	0.43	5.61	270.90
2100.00	0.79	254.31	2099.97	-2.15	-0.26	-6.89	0.06	6.89	267.84
2200.00	0.93	241.82	2199.96	-2.09	-0.83	-8.27	0.23	8.31	264.27
2300.00	0.90	242.76	2299.95	-1.89	-1.57	-9.68	0.03	9.81	260.77
2400.00	0.88	201.73	2399.94	-1.22	-2.65	-10.66	0.62	10.99	256.07
2500.00	0.95	197.33	2499.92	0.01	-4.15	-11.20	0.10	11.94	249.66
2600.00	0.95	175.35	2599.91	1.46	-5.77	-11.38	0.36	12.75	243.11
2700.00	1.10	160.02	2699.89	3.22	-7.50	-10.98	0.31	13.29	235.68
2800.00	1.07	173.22	2799.88	5.09	-9.33	-10.54	0.25	14.07	228.50
2900.00	1.08	178.03	2899.86	6.89	-11.19	-10.40	0.09	15.28	222.89
3000.00	1.67	175.88	2999.83	9.18	-13.59	-10.26	0.59	17.03	217.06
3100.00	1.84	176.76	3099.78	12.12	-16.65	-10.07	0.17	19.45	211.16
3200.00	1.99	170.83	3199.73	15.35	-19.96	-9.70	0.25	22.19	205.91
3300.00	1.81	165.71	3299.67	18.63	-23.21	-9.03	0.25	24.90	201.27
3400.00	1.95	165.65	3399.62	21.89	-26.39	-8.22	0.14	27.64	197.31
3500.00	1.81	163.99	3499.56	25.16	-29.55	-7.36	0.15	30.46	193.99
3600.00	1.79	173.28	3599.52	28.25	-32.62	-6.75	0.29	33.31	191.68
3700.00	1.98	165.80	3699.46	31.49	-35.85	-6.14	0.31	36.37	189.72
3800.00	1.64	161.82	3799.41	34.63	-38.88	-5.27	0.36	39.24	187.72
3900.00	2.13	165.40	3899.36	37.91	-42.04	-4.35	0.50	42.26	185.91
4000.00	2.24	163.19	3999.28	41.71	-45.71	-3.32	0.14	45.83	184.15
4100.00	2.36	158.33	4099.20	45.72	-49.49	-1.99	0.23	49.53	182.31
4200.00	2.15	153.69	4199.13	49.65	-53.09	-0.40	0.28	53.09	180.44
4300.00	2.44	140.84	4299.05	53.53	-56.42	1.77	0.59	56.45	178.20
4400.00	2.54	123.97	4398.95	57.34	-59.31	4.95	0.74	59.52	175.22
4500.00	2.40	123.23	4498.86	60.82	-61.69	8.54	0.14	62.28	172.12
4600.00	2.09	134.46	4598.78	64.16	-64.12	11.60	0.54	65.16	169.75
4700.00	2.01	139.87	4698.72	67.46	-66.74	14.03	0.21	68.20	168.13
4800.00	2.21	141.05	4798.65	70.93	-69.58	16.37	0.20	71.48	166.76



Scientific Drilling International

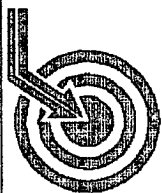
Survey Report

Company: COG RESOURCES
Field: Blinebry
Site: Eddy County, NM
Well: State S 19 #6
Wellpath: VH - Job #32K0808634

Date: 09/09/2008 Time: 11:26:41 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,159.68Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	1.94	139.44	4898.59	74.35	-72.36	18.68	0.28	74.74	165.52
5000.00	1.61	129.94	4998.54	77.16	-74.55	20.86	0.44	77.41	164.37
5100.00	1.58	129.63	5098.50	79.57	-76.33	23.00	0.03	79.72	163.23
5200.00	1.59	132.60	5198.46	82.00	-78.15	25.08	0.08	82.08	162.21
5300.00	2.06	125.13	5298.41	84.71	-80.12	27.57	0.53	84.74	161.01
5380.00	2.12	109.12	5378.36	86.84	-81.44	30.15	0.73	86.84	159.68



Scientific
Drilling

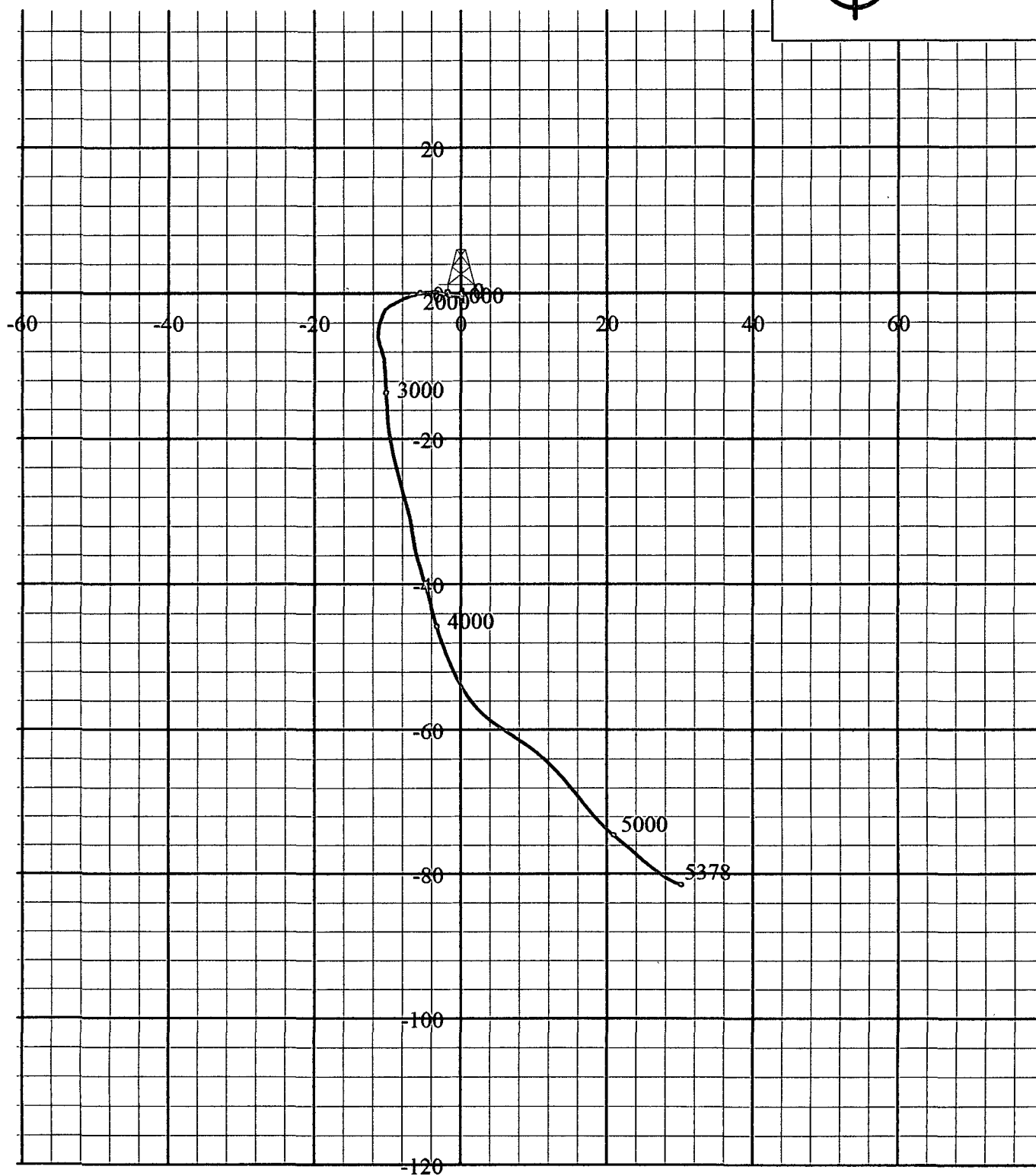
Field: Blinebry
Site: Eddy County, NM
Well: State S 19 #6
Wellpath: VH - Job #32K0808634
Survey: 08/16/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 09/09/2008
Model: igrf2000

South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]