

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

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

Submit Original
to Appropriate
District Office

GAS CAPTURE PLAN

Date: 7/16/19

Original

Operator & OGRID No.: COG Operating LLC, (229137)

Amended - Reason for Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Admiral Federal Com 501H	30-015-	N-28-25S-29E	400' FSL & 1635' FWL	±2500	None Planned	APD Submission Plan Subject to change
Admiral Federal Com 502H	30-015-	N-28-25S-29E	400' FSL & 1665' FWL	±2500	None Planned	APD Submission Plan Subject to change
Admiral Federal Com 503H	30-015-	N-28-25S-29E	400' FSL & 1695' FWL	±2500	None Planned	APD Submission Plan Subject to change
<input checked="" type="checkbox"/> Admiral Federal Com 504H	30-015- <u>46788</u>	P-28-25S-29E	320' FSL & 1330' FEL	±2500	None Planned	APD Submission Plan Subject to change
Admiral Federal Com 505H	30-015-	P-28-25S-29E	320' FSL & 1300' FWL	±2500	None Planned	APD Submission Plan Subject to change

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to **ETC Field Services LLC** and will be connected to **Red Bluff** low pressure gathering system located in **Culberson** County, Texas. **COG Operating LLC** provides (periodically) to **ETC Field Services LLC** a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, **COG Operating LLC** and **ETC Field Services LLC** have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at **ETC Field Services LLC** Processing Plant located in Sec. **35**, Blk. **57**, **T2**, **Culberson** County, Texas. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Gas Transporter system at that time. Based on current information, it is Operator's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease

ADMIRAL FEDERAL COM #504H 1 MILE DATA (19-1522)

FID	WELL_NAME	OPERATOR	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	LATITUDE	LONGITUDE	COMPL_STAT
0	SUPERIOR FED 001	BENNETT J	3001503717	15	25.0S	29E	660 S		660 W		32.124556	-103.978738	Plugged
1	FEDERAL 27 001	BENNETT J	3001503719	27	25.0S	29E	660 S		660 W		32.095346	-103.978554	Plugged
2	CORRAL DRAW 002	OXY USA INC	3001521425	22	25.0S	29E	1580 S		1980 W		32.112486	-103.97442	Active
3	CORRAL FED UT 001	EOG Y RESOURCES, INC.	3001527522	33	25.0S	29E	1980 S		660 E		32.084367	-103.982859	Plugged
4	CHIMAYO 16 STATE 001	DEVON ENERGY PRODUCTION COMPANY, LP	3001531781	16	25.0S	29E	660 N		1980 W		32.13551	-103.991645	Active
5	CHIMAYO 16 STATE 002	DEVON ENERGY PRODUCTION COMPANY, LP	3001531782	16	25.0S	29E	1980 N		660 W		32.131873	-103.995917	
6	SAVE D A 21 FED 001	COG OPERATING LLC	3001534840	21	25.0S	29E	660 N		660 W		32.1206	-103.995943	Active
7	PICKETT DRAW 16 STATE 001H	VANGUARD OPERATING, LLC	3001535443	16	25.0S	29E	2600 N		530 E		32.130196	-103.982504	Active
8	PICKETT DRAW 16 STATE 002H	VANGUARD OPERATING, LLC	3001535681	16	25.0S	29E	2600 N		1530 E		32.130203	-103.98575	Active
9	WHITE FEDERAL COM 001H	COG OPERATING LLC	3001536185	21	25.0S	29E	480 N		380 E		32.121373	-103.981978	New (Not drilled or compl)
10	SHOCKER 32 STATE COM 003H	XTO ENERGY, INC	3001536220	32	25.0S	29E	330 N		330 E		32.092173	-103.998986	New (Not drilled or compl)
11	SHOCKER 29 FEDERAL 002H	EOG RESOURCES INC	3001536622	29	25.0S	29E	660 S		330 E		32.094895	-103.998994	New (Not drilled or compl)
12	COOTER 16 STATE 001H	DEVON ENERGY PRODUCTION COMPANY, LP	3001537625	16	25.0S	29E	330 S		1580 W		32.12338	-103.992988	New (Not drilled or compl)
13	COOTER 16 STATE 002H	DEVON ENERGY PRODUCTION COMPANY, LP	3001537626	16	25.0S	29E	480 S		330 W		32.123712	-103.997047	New (Not drilled or compl)
14	COOTER 16 STATE 004H	DEVON ENERGY PRODUCTION COMPANY, LP	3001537628	16	25.0S	29E	330 S		2310 W		32.123428	-103.990619	New (Not drilled or compl)
15	WEST BRUSHY 27 FEDERAL 001H	EOG RESOURCES INC	3001537679	27	25.0S	29E	270 N		405 W		32.107117	-103.979457	New (Not drilled or compl)
16	SHOWSTOPPER 17 FEDERAL COM 009H	XTO ENERGY, INC	3001537836	17	25.0S	29E	150 S		150 E		32.122773	-103.998602	New (Not drilled or compl)
17	COOTER 16 STATE COM 005H	DEVON ENERGY PRODUCTION COMPANY, LP	3001537875	16	25.0S	29E	330 S		2310 E		32.123475	-103.98824	New (Not drilled or compl)
18	COOTER 16 STATE COM 006H	DEVON ENERGY PRODUCTION COMPANY, LP	3001537876	16	25.0S	29E	330 S		1650 E		32.123518	-103.986098	New (Not drilled or compl)
19	COOTER 16 STATE COM 007H	DEVON ENERGY PRODUCTION COMPANY, LP	3001537877	16	25.0S	29E	330 S		770 E		32.123575	-103.983242	New (Not drilled or compl)
20	COOTER 16 STATE COM 008H	DEVON ENERGY PRODUCTION COMPANY, LP	3001537878	16	25.0S	29E	330 S		420 E		32.123597	-103.982105	New (Not drilled or compl)
21	CHIMAYO 16 STATE 003	DEVON ENERGY PRODUCTION COMPANY, LP	3001538105	16	25.0S	29E	1610 N		1455 W		32.132942	-103.99338	New (Not drilled or compl)
22	SHOCKER SWD 001	EOG RESOURCES INC	3001539470	32	25.0S	29E	1040 N		990 E		32.090191	-104.00111	New (Not drilled or compl)
23	BLACKBART 15 FEDERAL 002H	XTO ENERGY, INC	3001540797	15	25.0S	29E	190 S		1800 E		32.123214	-103.969386	New (Not drilled or compl)
24	COTTONTAIL 16 STATE COM 001H	DEVON ENERGY PRODUCTION COMPANY, LP	3001542321	16	25.0S	29E	150 S		1950 E		32.123003	-103.987072	New (Not drilled or compl)
25	WEST BRUSHY 22 FEDERAL 001H	EOG RESOURCES INC	3001542716	22	25.0S	29E	250 S		410 W		32.108547	-103.97944	New (Not drilled or compl)
26	WEST BRUSHY 22 FEDERAL 002H	EOG RESOURCES INC	3001542717	22	25.0S	29E	250 S		440 W		32.108548	-103.979343	New (Not drilled or compl)
27	ADMIRAL FEDERAL COM 002H	COG OPERATING LLC	3001542820	28	25.0S	29E	190 S		1980 E		32.093925	-103.987182	New (Not drilled or compl)
28	COTTONTAIL 16 STATE COM 002H	DEVON ENERGY PRODUCTION COMPANY, LP	3001543302	16	25.0S	29E	675 S		660 E		32.12453	-103.982884	New (Not drilled or compl)
29	COTTONTAIL 16 STATE COM 003H	DEVON ENERGY PRODUCTION COMPANY, LP	3001543303	16	25.0S	29E	220 S		630 W		32.123017	-103.996071	New (Not drilled or compl)
30	COTTONTAIL 16 STATE COM 004H	DEVON ENERGY PRODUCTION COMPANY, LP	3001543304	16	25.0S	29E	220 S		680 W		32.12302	-103.995908	New (Not drilled or compl)
31	CORRAL CANYON 16 STATE SWD 001	XTO ENERGY, INC	3001544387	16	25.0S	29E	990 N		1280 W		32.134647	-103.993944	New (Not drilled or compl)
32	CORRAL CANYON FEDERAL 212H	XTO ENERGY, INC	3001545427	16	25.0S	29E	555 N		2480 E		32.135832	-103.98888	New (Not drilled or compl)
33	LONE WATIE 32 STATE 168H	XTO ENERGY, INC	3001545772	32	25.0S	29E	336 N		695 E		32.092125	-104.00017	