

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

Submit Original  
to Appropriate  
District Office

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

**NM OIL CONSERVATION  
ARTESIA DISTRICT**

MAR 11 2019

**GAS CAPTURE PLAN**

Date: 10-04-2018

**RECEIVED**

Original

Operator & OGRID No.: OXY USA INC. - 16696

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
Pure Gold MDP1 29-17 Fd Com 471H	Pending	M-29-23S-31E	729 FSL 415 FWL	4000		
Pure Gold MDP1 29-17 Fd Com 472H	Pending	N-29-23S-31E	700 FSL 1340 FWL	4000		
Pure Gold MDP1 29-17 Fd Com 473H	Pending	N-29-23S-31E	753 FSL 1431 FWL	4000		
Pure Gold MDP1 29-17 Fd Com 474H	Pending	O-29-23S-31E	618 FSL 2095 FEL	4000		
Pure Gold MDP1 29-17 Fd Com 475H	Pending	O-29-23S-31E	618 FSL 2025 FEL	4000		
Pure Gold MDP1 29-17 Fd Com 476H	Pending	P-29-23S-31E	632 FSL 515 FEL	4000	30-015	46784

**Gathering System and Pipeline Notification**

Well(s) will be connected to a production facility after flowback operations are complete, where a gas transporter system is in place. The gas produced from production facility is dedicated to Enterprise Field Services, LLC (“Enterprise”) and is connected to Enterprise low/high pressure gathering system located in Eddy County, New Mexico. OXY USA INC. (“OXY”) provides (periodically) to Enterprise a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, OXY and Enterprise have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Enterprise’s Processing Plant located in Sec. 36, Twn. 24S, Rng. 30E, Eddy County, New Mexico. 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 Enterprise system at that time. Based on current information, it is OXY’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.

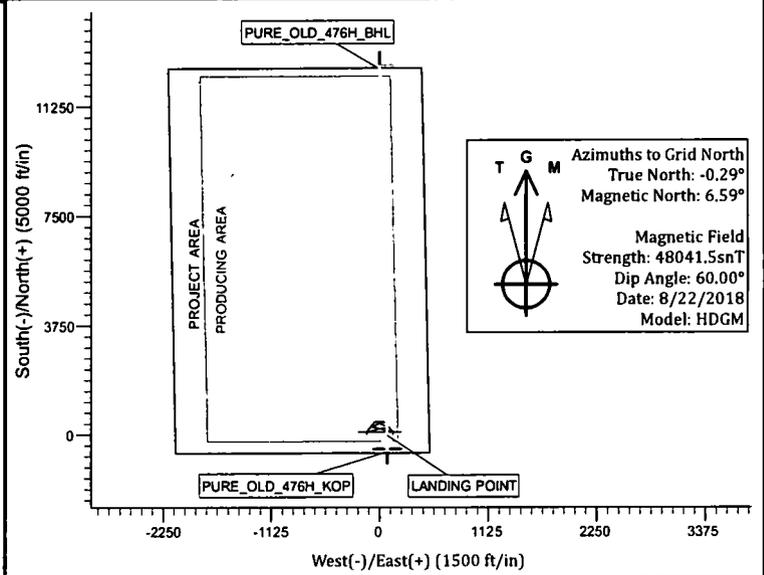
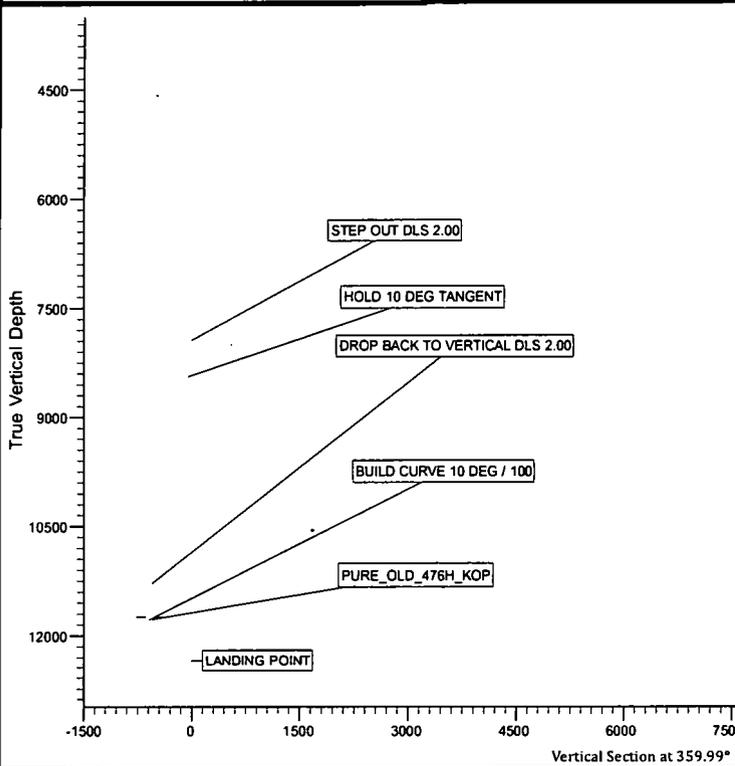
- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)  
 Site: PURE GOLD MDP1 29\_17 FEDERAL COM  
 Well: PURE GOLD MDP1 29\_17 FED COM 476H  
 Wellbore: WB00  
 Design: Permitting Plan

**WELL DETAILS: PURE GOLD MDP1 29\_17 FED COM 476H**

Ground Level: 3364.40  
 +N/-S    +E/-W    Northing    Easting    Latitude    Longitude  
 0.00    0.00    462348.97    708355.38    32° 16' 11.697694 N    103° 47' 34.654818 W  
 DATUM @ 3390.90ft



T G M  
 Azimuths to Grid North  
 True North: -0.29°  
 Magnetic North: 6.59°  
 Magnetic Field  
 Strength: 48041.5snT  
 Dip Angle: 60.00°  
 Date: 8/22/2018  
 Model: HDGM

PROJECT DETAILS: NM DIRECTIONAL PLANS (NAD 1983)  
 Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: New Mexico Eastern Zone  
 System Datum: Mean Sea Level

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	7945.00	0.00	0.00	7945.00	0.00	0.00	0.00	0.00	0.00		STEP OUT DLS 2.00
3	8445.23	10.00	172.27	8442.70	-43.17	5.86	2.00	172.27	-43.17		HOLD 10 DEG TANGENT
4	11322.64	10.00	172.27	11276.34	-538.52	73.06	0.00	0.00	-538.53		DROP BACK TO VERTICAL DLS 2.00
5	11822.87	0.00	359.64	11774.04	-581.69	78.91	2.00	180.00	-581.70		BUILD CURVE 10 DEG / 100
6	12722.87	90.00	359.64	12347.00	-8.74	75.35	10.00	-0.36	-8.76		LANDING POINT
7	25285.89	90.08	359.64	12338.00	12554.04	-2.82	0.00	0.00	12554.04		TD at 25285.89