

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: 3/10/2021

☒ Original                                      Operator & OGRID No.: [330238] SOLIS PARTNERS L.L.C.\_\_\_\_  
☐ 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
PATHFINDER AFT STATE #2	30-005-62627	G-21-10S-27E	2300N 1650E	10	NONE	FLOW TO BATTERY & SALES METER

### 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 IACX ROSWELL and will be connected to IACX ROSWELL low pressure gathering system located in CHAVEZ County, New Mexico. It will require 0' of pipeline to connect the facility to low pressure gathering system. SOLIS PARTNERS L.L.C. provides (periodically) to IACX ROSWELL a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, SOLIS PARTNERS L.L.C. and IACX ROSWELL have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at IACX PATHFINDER AMINE Processing Plant located in Sec. 21, Twn. 10S, Rng. 27E, CHAVEZ 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 IACX ROSWELL system at that time. Based on current information, it is SOLIS PARTNER L.L.C.'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

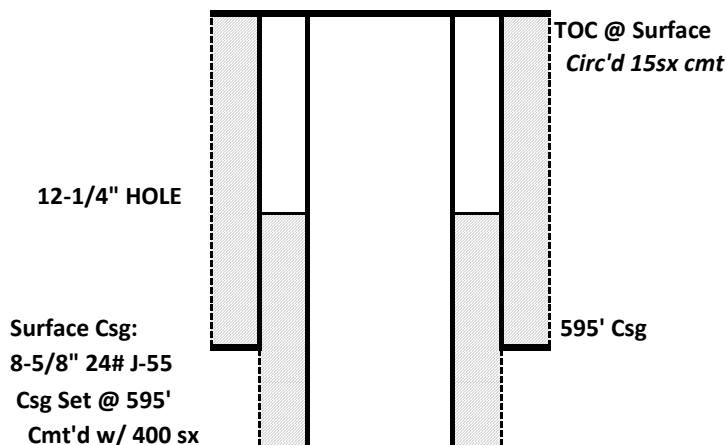
Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- 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

**SOLIS PARTNERS, LLC****WELLBORE DIAGRAM**Lease/Well No.: **PATHFINDER AFT STATE #002** ELEVATION, GL: **3,838.5 ft**Location: 2,310' FNL & 1,650' FEL  
UL: G, SEC: 21, T: 10-S, R: 27-E FIELD: **DIABLO - SAN ANDRES**  
CHAVES County, NMLEASE No.: State LG-5246 Spudded: **7/27/1988**API No.: **30-005-62627** Drlg Stopped: **11/5/1988**Completed: **12/7/1988**

LAT:

LONG:

**CABLE TOOL RIG**TOC @ Surface  
Circ'd 15sx cmt

<u>TOPS</u>	<u>DEPTH, ft</u>
SALT	
YATES	273
QUEEN	868
PENROSE	968
SAN ANDRES	1,397
SA-SLAUGHTER	1,968

**CURRENT STATUS: SHUT-IN  
SAN ANDRES OIL WELL**

TOC @ 334'  
Calculated - 75% SFProduction Csg:  
4-1/2" 9.5# J-55  
Csg Set @ 2,072'  
Cmt'd w/ 400 sx

<u>PERFS:</u>	<u>ZONE</u>	<u>SPF - # Holes</u>	<u>DATE</u>
≡ 1989',90',2000',01,02',	SAN ANDRES	5' 1 spf - 5 holes	11/29/88
≡ 2010',22',23',24',25',32',	SAN ANDRES	6' 1 spf - 6 holes	11/29/88
≡ 2033',36',37',47',48',49',	SAN ANDRES	6' 1 spf - 6 holes	11/29/88
≡ 2050',51',52',53',2054'	SAN ANDRES	5' 1 spf - 5 holes	11/29/88
2,072' Csg	<b>TOTALS ==&gt;</b>	<b>22' --- 22 holes</b>	
2,072' TD / 2,066' PBTD			

Originally Drilled as the PATHFINDER AFT STATE #002 by YATES PETROLEUM CORP.

Cumulative Prod. (02/28/18):

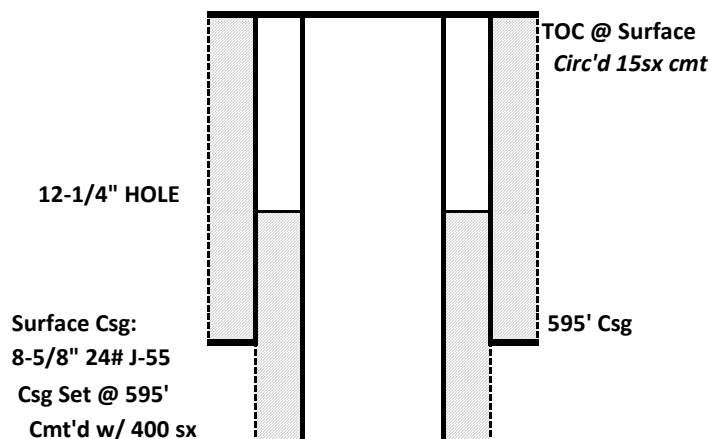
OIL **45.624** MBO  
GAS **14.975** MMCF  
WATER **10.063** MBW  
INJECT. **----** MBW

HPS: 09/16/2020

**SOLIS PARTNERS, LLC****WELLBORE DIAGRAM**Lease/Well No.: **PATHFINDER AFT STATE #002**ELEVATION, GL: **3,838.5 ft**Location: **2,310' FNL & 1,650' FEL****UL: G, SEC: 21, T: 10-S, R:27-E**FIELD: **DIABLO - SAN ANDRES****CHAVES County, NM**LEASE No.: **State LG-5246**Spudded: **7/27/1988**API No.: **30-005-62627**Drig Stopped: **11/5/1988**Completed: **12/7/1988**

LAT:

LONG:

**CABLE TOOL RIG**

<u>TOPS</u>	<u>DEPTH, ft</u>
SALT	
YATES	273
QUEEN	868
PENROSE	968
SAN ANDRES	1,397
SA-SLAUGHTER	1,968

**AFTER WORKOVER**  
**ADDITIONAL SAN ANDRES PERFS**  
**1,987'-2,061': 62' 2spf - 124 perfs**  
**TOTAL PERFS: 62' - 136 perfs**  
**PLUS 80' of SA O/H 2,072'-2,152'**

<u>PERFS:</u>	<u>ZONE</u>	<u>SPF - # Holes</u>	<u>DATE</u>
≡ 1,987' - 2,061' (OA)	SAN ANDRES	62' 2 spf - 124 holes	NEW PERFS
≡ 1989',90',2000',01,02',	SAN ANDRES	5' 1 spf - 5 holes	11/29/88
≡ 2010',22',23',24',25',32',	SAN ANDRES	6' 1 spf - 6 holes	11/29/88
≡ 2033',36',37',47',48',49',	SAN ANDRES	6' 1 spf - 6 holes	11/29/88
≡ 2050',51',52',53',2054'	SAN ANDRES	5' 1 spf - 5 holes	11/29/88
2,072' Csg	<b>TOTALS ==&gt;</b>	<b>62' --- 136 holes</b>	
3.5" HOLE	3-1/2" O/H 2072'-2152'	SAN ANDRES	80' of Open-Hole NEW
	2,152' TD / 2,152' PBTD		

Originally Drilled as the PATHFINDER AFT STATE #002 by YATES PETROLEUM CORP.

**Cumulative Prod. (02/28/18):**

OIL **45.624** MBO  
 GAS **14.975** MMCF  
 WATER **10.063** MBW  
 INJECT. **----** MBW

HPS: 09/16/2020

**PATHFINDER AFT STATE #002****WELL PERFORATION, ACID JOB, FRAC JOB, & WELL TEST DETAILS**

PERFS			ACID JOB(S)			FRAC JOB(S)						INITIAL POTENTIAL TEST			
TOP	BOTTOM	ZONE	DATE	ACID GALS	ACID TYPE	DATE	FRAC FLUID GALS	FLUID TYPE	SAND LBS	SAND SIZE	REMARKS	TEST DATE	OIL BOPD	GAS MCFD	WATER BWPD
1,989	1,990	(2') SAN ANDRES	11/29/1988	5,000	20% NEFE HCl						+ 35 Ball Sealers	12/7/1988	56	18	0
2,000	2,002	(3') SAN ANDRES													
2,010		(1') SAN ANDRES													
2,022	2,025	(4') SAN ANDRES													
2,032	2,033	(2') SAN ANDRES													
2,036	2,037	(2') SAN ANDRES													
2,047	2,054	(8') SAN ANDRES													
GOR=321 scf/stb															

Submit 1 Copy To Appropriate District  
Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
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

Revised July 18, 2013

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-005-62627
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator SOLIS PARTNERS L.L.C.		6. State Oil & Gas Lease No. LG-5246
3. Address of Operator P.O. BOX 5790, MIDLAND, TX 79704		7. Lease Name or Unit Agreement Name PATHFINDER AFT STATE
4. Well Location Unit Letter <u>G</u> : 2,310 feet from the NORTH line and 1,650 feet from the EAST line Section <u>21</u> Township <u>10-S</u> Range <u>27-E</u> NMPM County <u>CHAVEZ</u>		8. Well Number 2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,838.5' GR		9. OGRID Number 330288
		10. Pool name or Wildcat DIABLO; SAN ANDRES

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL. <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ADD PERFS, DRILL OPEN HOLE IN SAN ANDRES

- MIRU workover rig.
- Clean-Out wellbore with bit & casing scraper to PBTD at +/- 2,066'. Existing San Andres perfs: 1989'-2054' (22 perfs - 1 spf). Circulate hole clean.
- Rig up Power Swivel & Reverse Unit. GIH with bit & drill collars on workstring. Drill out 4-1/2" 9.5# J-55 casing shoe @ 2,072' and drill approximately 80' of openhole in San Andres to the base of the SA P-2 zone at approx. 2,152'. Circulate openhole and casing clean.
- Run cased-hole GR/CCL/GR log from approx. 1,000' to openhole TD @ 2,152'.
- Add San Andres perfs: 1987'-2061' (62' @ 2spf - 124 perfs).
- Set packer on workstring at approx. 2067'. Acidize openhole 2072'-2152' with 20% NEFE HCl + additives for each foot of SA pay encountered.
- Set 4-1/2" composite bridge plug at approx. 2067' in casing & set packer on workstring at approx. 1940'. Test 4-1/2" csg above packer to 200 psig.
- Acidize old & new SA perfs with 20% NEFE HCl + additives.
- Flowback well from upper acid job, to recover load.
- Drill out composite bridge plug at 2067'.
- Flowback well, swab if necessary, to recover all load and clean up after acid job.
- Clean-Out wellbore & openhole to TD at +/- 2,152'. Circulate hole clean.
- RIH with 2-3/8" 4.7# J-55 EUE tubing, rods, and pump. Hang well on & return to production. RDMO workover rig.
- Test well.



Spud Date: 02/22/2021

Rig Release Date: 02/27/2021

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Debi Garza TITLE Regulatory Analyst DATE 1/26/2021

Type or print name Debi Garza E-mail address: debi.garza@solispartnersllc.com PHONE: 432-888-1880

**For State Use Only**

APPROVED BY: John Garcia TITLE Petroleum Specialist DATE 3/11/2021

Conditions of Approval (if any):

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 20417

**COMMENTS**

Operator:				OGRID:		Action Number:		Action Type:	
	SOLIS PARTNERS, L.L.C.	P.O. Box 5790	Midland, TX79704		330238		20417		C-103X

Created By	Comment	Comment Date
kpickford	KP GEO Review 3/11/2021	03/11/2021

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 20417

**CONDITIONS OF APPROVAL**

Operator:	SOLIS PARTNERS, L.L.C.	P.O. Box 5790	Midland, TX79704	OGRID:	330238	Action Number:	20417	Action Type:	C-103X
OCD Reviewer	Condition								
jagarcia	None								