

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 #1 | 30-005-62628 | O-21-10S-27E | 0990S 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

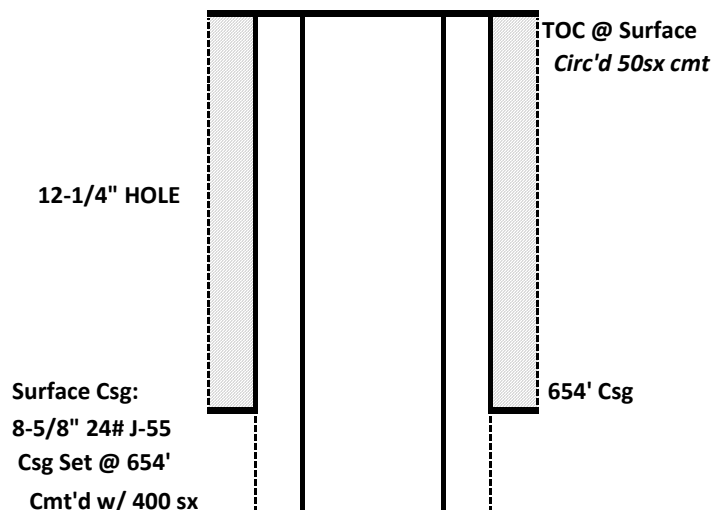
SOLIS PARTNERS, LLC**WELLBORE DIAGRAM**Lease/Well No.: **PATHFINDER AFT STATE #001**ELEVATION, GL: **3,846.6 ft**Location: 990' FSL & 1,650' FEL
UL: O, SEC: 21, T: 10-S, R:27-E
CHAVES County, NMFIELD: **DIABLO - SAN ANDRES**

LEASE No.: State LG-5246

Spudded: **7/26/1988**API No.: **30-005-62628**Drig Stopped: **7/30/1988**Completed: **8/24/1988**

LAT:

LONG:

ROTARY RIG

| <u>TOPS</u> | <u>DEPTH, ft</u> |
|-------------|------------------|
| SALT | |
| YATES | |
| QUEEN | 866 |
| GRAYBURG | 966 |
| SAN ANDRES | 1,395 |
| GLORIETTA | |

CURRENT WELL STATUS
WELL TA'd 12/13/2019

TA'd 12/13/2019:
4-1/2" CIBP set @
1950' - Bailed 35'
cmt on top.
TOC @ +/- 1,935'

Production Csg:
4-1/2" 10.5# J-55
Csg Set @ 2,200'
Cmt'd w/ 200 sx

| <u>PERFS:</u> | <u>ZONE</u> | <u>SPF - # Holes</u> | <u>DATE</u> |
|---------------------------|----------------------|-------------------------|-------------|
| 2003',04',05',09',10',11' | SAN ANDRES | 6' 1 spf - 6 holes | 08/10/88 |
| 2028',29',30',40',41' | SAN ANDRES | 5' 1 spf - 5 holes | 08/10/88 |
| 2047',48',56',57',62',63' | SAN ANDRES | 6' 1 spf - 6 holes | 08/10/88 |
| 2092',93',95',96' | SAN ANDRES | 4' 1 spf - 4 holes | 08/10/88 |
| 2,200' Csg | TOTALS ==> | 21' --- 21 holes | |
| 2,200' TD / 2,160' PBDT | | | |

Originally Drilled as the PATHFINDER AFT STATE #001 by YATES PETROLEUM CORP.

TEMPORARILY ABANDONED by VANGUARD OPERATIONS - 12/13/2019. Set 4-1/2" CIBP at 1,950' & Bailed 35sx on top of CIBP. Loaded csg w/water. Ran MIT 12/13/19 - OK.

Cumulative Prod. (03/31/20):

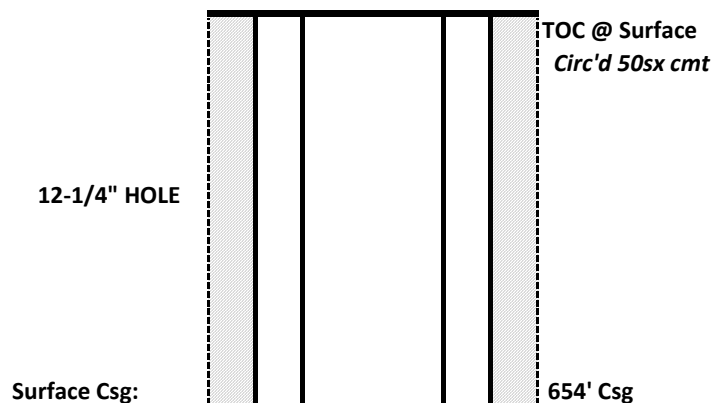
OIL **79.731** MBO
GAS **28.846** MMCF
WATER **7.862** MBW
INJECT. ----- MBW

HPS: 09/15/2020

SOLIS PARTNERS, LLC**WELLBORE DIAGRAM**Lease/Well No.: **PATHFINDER AFT STATE #001**ELEVATION, GL: **3,846.6 ft**Location: **990' FSL & 1,650' FEL****UL: O, SEC: 21, T: 10-S, R:27-E**FIELD: **DIABLO - SAN ANDRES****CHAVES County, NM**LEASE No.: **State LG-5246**Spudded: **7/26/1988**API No.: **30-005-62628**Drig Stopped: **7/30/1988**Completed: **8/24/1988**

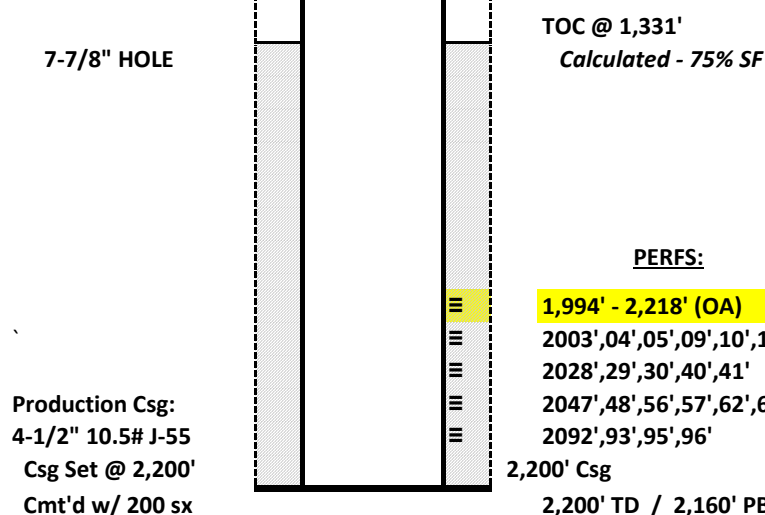
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|-------------|------------------|
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| YATES | |
| QUEEN | 866 |
| GRAYBURG | 966 |
| SAN ANDRES | 1,395 |
| GLORIETTA | |

AFTER WORKOVER
ADDITIONAL SAN ANDRES PERFS
1,994'-2,218': 81' 2spf - 162 perfs
TOTAL PERFS = 183 perfs



| <u>PERFS:</u> | <u>ZONE</u> | <u>SPF - # Holes</u> | <u>DATE</u> |
|---------------------------|-------------|--------------------------|-------------|
| 1,994' - 2,218' (OA) | SAN ANDRES | 81' 2 spf - 162 holes | NEW PERFS |
| 2003',04',05',09',10',11' | SAN ANDRES | 6' 1 spf - 6 holes | 08/10/88 |
| 2028',29',30',40',41' | SAN ANDRES | 5' 1 spf - 5 holes | 08/10/88 |
| 2047',48',56',57',62',63' | SAN ANDRES | 6' 1 spf - 6 holes | 08/10/88 |
| 2092',93',95',96' | SAN ANDRES | 4' 1 spf - 4 holes | 08/10/88 |
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OIL **79.731** MBO
 GAS **28.846** MMCF
 WATER **7.862** MBW
 INJECT. **----** MBW

HPS: 09/15/2020

PATHFINDER AFT STATE #001**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 |
| 2,003 | 2,005 | (3') SAN ANDRES | 8/10/1988 | 5,000 | 20% NEFE HCl | | | | | | | 9/8/1988 | 71 | 20 | 0 |
| 2,009 | 2,011 | (3') SAN ANDRES | | | | | | | | | | | | | |
| 2,028 | 2,030 | (3') SAN ANDRES | | | | | | | | | | | | | |
| 2,040 | 2,041 | (2') SAN ANDRES | | | | | | | | | | | | | |
| 2,047 | 2,048 | (2') SAN ANDRES | | | | | | | | | | | | | |
| 2,056 | 2,057 | (2') SAN ANDRES | | | | | | | | | | | | | |
| 2,062 | 2,063 | (2') SAN ANDRES | | | | | | | | | | | | | |
| 2,092 | 2,093 | (2') SAN ANDRES | | | | | | | | | | | | | |
| 2,095 | 2,096 | (2') SAN ANDRES | | | | | | | | | | | | | |
| GOR=282 scf/stb | | | | | | | | | | | | | | | |

GOR=282 scf/stb

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
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 811 S. First St., Artesia, NM 88210
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 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

Revised July 18, 2013

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

| |
|---|
| WELL API NO. 30-005-62628 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. LG5246 |
| 7. Lease Name or Unit Agreement Name PATHFINDER AFT STATE |
| 8. Well Number 1 |
| 9. OGRID Number 330238 |
| 10. Pool name or Wildcat DIABLO; SAN ANDRES |

| | |
|---|--|
| SUNDRY NOTICES AND REPORTS ON WELLS (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.) | |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> | |
| 2. Name of Operator SOLIS PARTNERS L.L.C. | |
| 3. Address of Operator P.O. BOX 5790, MIDLAND, TX, 79704 | |
| 4. Well Location Unit Letter <u>O</u> : <u>990</u> feet from the <u>SOUTH</u> line and <u>1,650</u> feet from the <u>EAST</u> line Section <u>21</u> Township <u>10-S</u> Range <u>27-E</u> NMPM County <u>CHAVES</u> | |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,846.6 GR | |

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

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

- MIRU workover rig.
- Drill out CIBP @ 1,950' and 35' cmt cap.
- Clean-Out wellbore with bit & casing scraper to PBTD at +/- 2,160'. Existing San Andres perfs: 2003'-2096' (21 perfs – 1 spf). Circulate hole clean.
- Run cased-hole GR/CCL/GR log from approx. 1,000' to 2,160'.
- Add San Andres perfs: 1994'-2128' (81' @ 2spf – 162 perfs).
- Set packer at approx. 1940'. Test casing to 200 psig.
- Acidize old & new SA perfs with 20% NEFE HCl + additives.
- Flowback well, swab if necessary, to recover load and clean up after acid job.
- 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: 02/08/2021

Rig Release Date: 02/11/2021

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
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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 20415

COMMENTS

| | | | | | |
|--|-------------------------|--|------------------|-------------------------|------------------------|
| Operator: SOLIS PARTNERS, L.L.C. P.O. Box 5790 Midland, TX79704 | | | OGRID: 330238 | Action Number: 20415 | Action Type: C-103X |
| Created By | Comment | | | Comment Date | |
| kpickford | KP GEO Review 3/11/2021 | | | 03/11/2021 | |

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CONDITIONS

Action 20415

CONDITIONS OF APPROVAL

| | | | | | | | | | |
|--------------|------------------------|---------------|------------------|--------|--------|----------------|-------|--------------|-----------|
| Operator: | SOLIS PARTNERS, L.L.C. | P.O. Box 5790 | Midland, TX79704 | OGRID: | 330238 | Action Number: | 20415 | Action Type: | C-103X |
| OCD Reviewer | | | | | | | | | Condition |
| jagarcia | | | | | | | | | None |