

Santa Fe Main Office
Phone: (505) 476-3441 Fax: (55) 476-3462
General Information
Phone: (505) 629-6116

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

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

Online Phone Directory Visit:
<https://www.emnrd.nm.gov/ocd/contact-us/>

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address SOLIS PARTNERS, L.L.C. P.O. BOX 5790 MIDLAND, TX 79704		² OGRID Number 330238
		³ API Number 30-005-62820
⁴ Property Code 329356	⁵ Property Name PATHFINDER AFT STATE	⁶ Well No. 12

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	21	10-S	27-E		2,300	NORTH	2,214	EAST	CHAVES

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	21	10-S	27-E		2,300	NORTH	2,214	EAST	CHAVES

⁹ Pool Information

Pool Name DIABLO; SAN ANDRES	Pool Code 17640
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Additional Well Information

¹¹ Work Type P	¹² Well Type O	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3,833'
¹⁶ Multiple NO	¹⁷ Proposed Depth 2,180'	¹⁸ Formation SAN ANDRES	¹⁹ Contractor LIBERTY PUMP	²⁰ Spud Date 09/25/2024
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

²¹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
PROD	8-3/4"	7"	26# & 23# J-55	6,435'	STAGE 1 - 500 sx	CALC'D - 3,800'
					STAGE 2 - 950 sx	SURF - 25 sx
					DV TOOL @ 4,004'	

Casing/Cement Program: Additional Comments

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²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
MANUAL / HYDRAULIC	5,000 psi	5,000 psi	CAMERON

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature: 

Printed name: Scott Parsons

Title: Engineer

E-mail Address: scott.parsons@solispartnersllc.com

Date: 09/17/2024

Phone: (817) 996-9270

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date:

Expiration Date:

Conditions of Approval Attached

Solis Partners, LLC
Pathfinder AFT State #012
30-005-62820

Attachment to C-103 – CHANGE PLANS DATED 09/18/2024

Solis Partners, LLC respectfully seeks approval to remediate well from Shut In status to produce from San Andres Formation @ 1,996' - 2,084'.

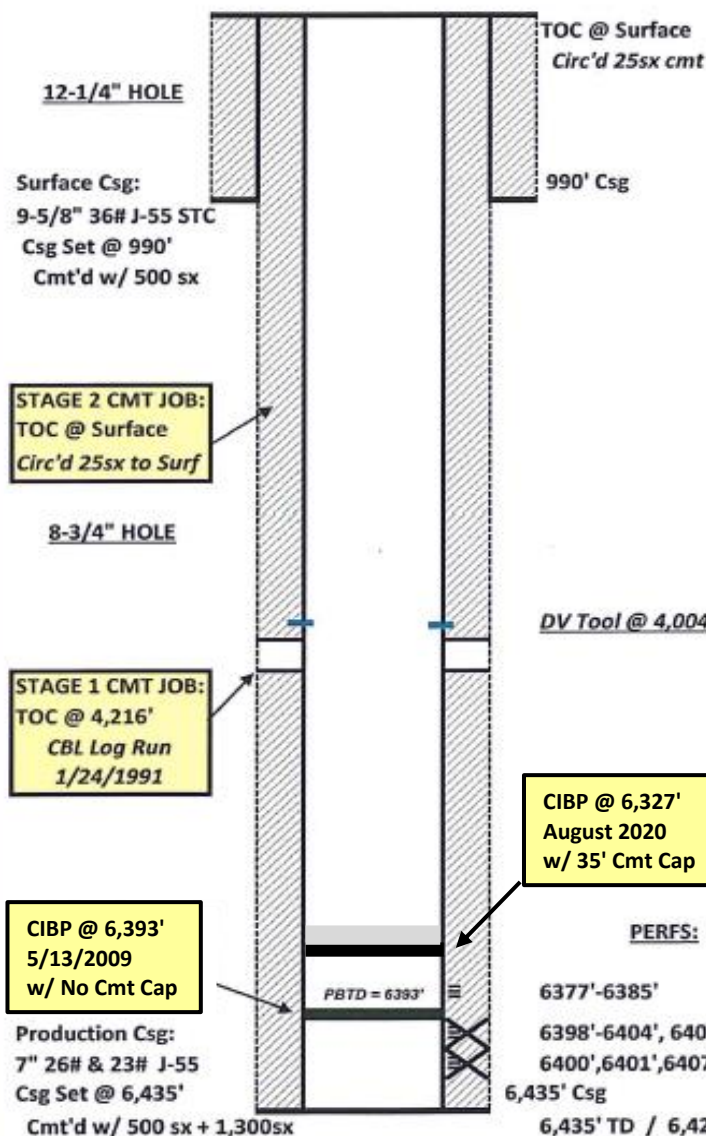
PATHFINDER AFT STATE #12: RECOMPLETE WELL FROM FUSSELMAN TO SAN ANDRES:

- MIRU workover rig. Re-enter well.
- RIH with bit & casing scraper, Tag CIBP @ 6,292'.
- Spot 25 sks cement Class C @ 5,550' (Top of Wolfcamp); WOC 4 hrs, Tag TOC
- Spot 25 sks cement Class C @ 4,855' (Top of Abo); WOC 4 hrs, Tag TOC
- Spot 25 sks cement Class C @ 2,579' (Top of Glorietta); WOC 4 hrs, Tag TOC
- RIH, Set CIBP @ 2,180', dump bail 35' Cement Cap on plug. PBTD @ 2,145' (TOC).
- Pressure test 7" Casing and CIBP to 500 psig for 30 minutes with chart.
- Perforate San Andres: 1,996'-2,084' (47' @ 2 spf – 94 perfs).
- Acidize SA perfs with approx. 8,000 gal 20% NEFE HCl + additives.
- Flowback well, swab if necessary, to clean up.
- RIH with 2-3/8" 4.7# J-55 EUE tubing, rods, and pump. Hang well on production.
- RDMO workover rig.
- Test well

CBL has been uploaded to well Open Hole Log Filing

SOLIS PARTNERS, LLC**WELLBORE DIAGRAM**

Lease/Well No.: **PATHFINDER AFT STATE #012** ELEVATION, GL: **3,833 ft**
 Location: **2,300' FNL & 2,214' FEL**
UL: G, SEC: 21, T: 10-S, R:27-E FIELD: **DIABLO - FUSSELMAN**
CHAVES County, NM
 LEASE No.: **State LG-5246** Spudded: **1/5/1991**
 API No.: **30-005-62820** Drlg Stopped: **1/19/1991**
 Completed: **2/24/1991**
 LAT:
 LONG:

ROTARY RIG

TOPS	DEPTH, ft
SAN ANDRES	1,403
GLORIETTA	2,579
YESO	2,659
ABO	4,855
WOLFCAMP	5,550
PENN Clastic	6,189
CISCO	6,047
FUSSELMAN	6,237
SIL ORDIVICIAN	6,288

CURRENT WELL STATUS
SHUT-IN FUSSELMAN GAS WELL
AUGUST 2020

PERFS:	ZONE	SPF - # Holes	DATE
6377'-6385'	FUSSELMAN	9' 4 spf - 36 holes	01/21/91 & 05/13/91
6398'-6404', 6406'-6410'	FUSSELMAN	12' 4 spf - 48 holes	01/21/91
6400', 6401', 6407', 6408'	FUSSELMAN	4' 2 spf - 8 holes	02/08/91

Originally Drilled as the PATHFINDER AFT STATE #012 by YATES PETROLEUM CORP.

VANGUARD OPERATING APPLIED TO THE NOMCO TO TA THIS WELL ON 11/20/2019. THE NMOCE APPROVED 11/21/19. WORK WAS NEVER PERFORMED BY VANGUARD/GRIZZLY.

Cumulative Prod. (03/31/20):

OIL	113.907	MBO
GAS	135.833	MMCF
WATER	290.758	MBW
INJECT.	----	MBW

HPS: 12/20/2020

CURRENT WELLBORE DIAGRAM

PATHFINDER AFT STATE #012 (TA) - WBDiagram - 12-20-2020

SOLIS PARTNERS, LLC**WELLBORE DIAGRAM**

Lease/Well No.: **PATHFINDER AFT STATE #012** ELEVATION, GL: **3,833 ft**
 Location: **2,300' FNL & 2,214' FEL**
 UL: G, SEC: 21, T: 10-S, R: 27-E FIELD: **DIABLO - FUSSELMAN**
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 LEASE No.: **State LG-5246** Spudded: **1/5/1991**
 API No.: **30-005-62820** Drlg Stopped: **1/19/1991**
 Completed: **2/24/1991**

ROTARY RIG

12-1/4" HOLE
 Surface Csg: **9-5/8" 36# J-55 STC**
 Csg Set @ **990'**
 Cmt'd w/ **500 sx**
TOC @ Surface
Circ'd 25sx cmt
990' Csg

STAGE 2 CMT JOB:
TOC @ Surface
Circ'd 25sx to Surf

8-3/4" HOLE

STAGE 1 CMT JOB:
TOC @ 4,216'
CBL Log Run
1/24/1991

CIBP @ 6,393'
5/13/2009
w/ No Cmt Cap

Production Csg:
7" 26# & 23# J-55
 Csg Set @ **6,435'**
 Cmt'd w/ **500 sx + 1,300sx**

Set CIBP @ 2,180'
w/ 35' Cmt Cap
TOC (PBD) @ 2,145'

DV Tool @ 4,004'

CIBP @ 6,327'
August 2020
w/ 35' Cmt Cap

AFTER WORKOVER
SAN ANDRES COMPLETION
1,996' - 2,084': (47') 2 spf - 94 perfs

TOPS	DEPTH, ft
SAN ANDRES	1,403
GLORIETTA	2,579
YESO	2,659
ABO	4,855
WOLFCAMP	5,550
PENN Clastic	6,189
CISCO	6,047
FUSSELMAN	6,237
SIL ORDIVICIAN	6,288

PERFS: **1,996' - 2,084' (OA)** **ZONE** **SAN ANDRES** **SPF - # Holes** **(47') 2 spf - 94 holes** **DATE** **NEW PERFS**

Spot 25 sx Cmt @ 2,629' - 2,529'. T of Glorietta

Spot 25 sx Cmt @ 4,905' - 4,805'. T of Abo

Spot 25 sx Cmt @ 5,600' - 5,500'. T of Wcmp

PERFS:	ZONE	SPF - # Holes	DATE
6377'-6385'	FUSSELMAN	9' 4 spf - 36 holes	01/21/91 & 05/13/91
6398'-6404', 6406'-6410'	FUSSELMAN	12' 4 spf - 48 holes	01/21/91
6400', 6401', 6407', 6408'	FUSSELMAN	4' 2 spf - 8 holes	02/08/91
6,435' Csg			
6,435' TD / 6,420' PBD			

Originally Drilled as the PATHFINDER AFT STATE #012 by YATES PETROLEUM CORP.

VANGUARD OPERATING APPLIED TO THE NOMCO TO TA THIS WELL ON 11/20/2019. THE NMOCE APPROVED 11/21/19. WORK WAS NEVER PERFORMED BY VANGUARD/GRIZZLY.

Cumulative Prod. (03/31/20):

OIL **113.907** MBO
 GAS **135.833** MMCF
 WATER **290.758** MBW
 INJECT. **----** MBW

HPS: 12/20/2020

CURRENT WELLBORE DIAGRAM

PATHFINDER AFT STATE #012 (TA) - WBDiagram - 12-20-2020

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1220 South St. Francis Dr.
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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.)		WELL API NO. 30-005-62820
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, LLC		6. State Oil & Gas Lease No. LG-5246
3. Address of Operator 4501 SANTA ROSA DRIVE, MIDLAND, TX 79707		7. Lease Name or Unit Agreement Name PATHFINDER AFT STATE
4. Well Location Unit Letter <u>O</u> : <u>2,300</u> feet from the <u>NORTH</u> line and <u>2,214</u> feet from the <u>EAST</u> line Section <u>21</u> Township <u>10S</u> Range <u>27E</u> NMPM County <u>CHAVES</u>		8. Well Number <u>12</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,833' GR		9. OGRID Number 330238
		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 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 checked="" 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.

Solis Partners, LLC respectfully seeks approval to remediate well from Shut In status to produce from San Andres Formation @ 1,996' - 2,084'.

PLEASE SEE ATTACHMENTS

Spud Date:

09/25/2024

Rig Release Date:

09/27/2024

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

SIGNATURE

Scott Parsons

TITLE

Engineer

DATE 09/18/2024

Type or print name

Scott Parsons

E-mail address:

Scott.Parsons@SolisPartnersLLC.com

PHONE: (817) 996-9270

For State Use Only

APPROVED BY:

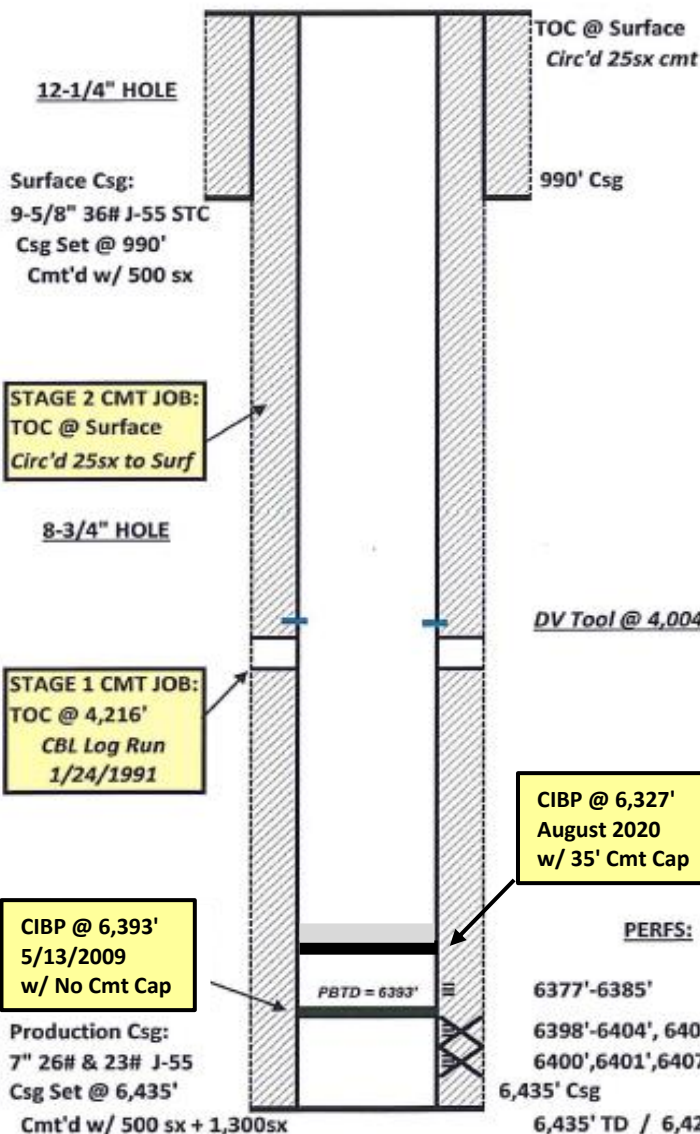
TITLE

DATE

Conditions of Approval (if any):

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SHUT-IN FUSSELMAN GAS WELL
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 Csg Set @ **990'**
 Cmt'd w/ **500 sx**
TOC @ Surface
Circ'd 25sx cmt
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XXXXXX

XXXXXX

XXXXXX

PBD = 6383'

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HPS: 12/20/2020

CURRENT WELLBORE DIAGRAM

PATHFINDER AFT STATE #012 (TA) - WBDiagram - 12-20-2020

Solis Partners, LLC
Pathfinder AFT State #012
30-005-62820

Attachment to C-103 – CHANGE PLANS DATED 09/18/2024

Solis Partners, LLC respectfully seeks approval to remediate well from Shut In status to produce from San Andres Formation @ 1,996' - 2,084'.

PATHFINDER AFT STATE #12: RECOMPLETE WELL FROM FUSSELMAN TO SAN ANDRES:

- MIRU workover rig. Re-enter well.
- RIH with bit & casing scraper, Tag CIBP @ 6,292'.
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CBL has been uploaded to well Open Hole Log Filing

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	<div style="text-align: right;"> C-102 Revised July 9, 2024 Submit Electronically via OCD Permitting </div> <div> Submittal Type: <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <input type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled </div> </div>
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WELL LOCATION INFORMATION

API Number 30-005-62820	Pool Code 17640	Pool Name DIABLO; SAN ANDRES
Property Code 329356	Property Name PATHFINDER AFT STATE	Well Number 12
OGRID No. 330238	Operator Name SOLIS PARTNERS, LLC	Ground Level Elevation 3,833'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

Surface Location

UL G	Section 21	Township 10-S	Range 27-E	Lot	Ft. from N/S 2,300 FNL	Ft. from E/W 2,214 FEL	Latitude 33.4322	Longitude -104.1975	County CHAVES
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Bottom Hole Location

UL G	Section 21	Township 10-S	Range 27-E	Lot	Ft. from N/S 2,300 FNL	Ft. from E/W 2,214 FEL	Latitude 33.4322	Longitude -104.1975	County CHAVES
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Dedicated Acres 40	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
----	---------	----------	-------	-----	--------------	--------------	----------	-----------	--------

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
----	---------	----------	-------	-----	--------------	--------------	----------	-----------	--------

Unitized Area or Area of Uniform Interest	Spacing Unit Type <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

 09/17/2024
 Signature Date

Scott Parsons

Printed Name

scott.parsons@solispartnersllc.com

Email Address

SURVEYOR CERTIFICATIONS

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.

Original survey by Herschel Jones is on file
 with NMOCD (12/28/1990)

Signature and Seal of Professional Surveyor

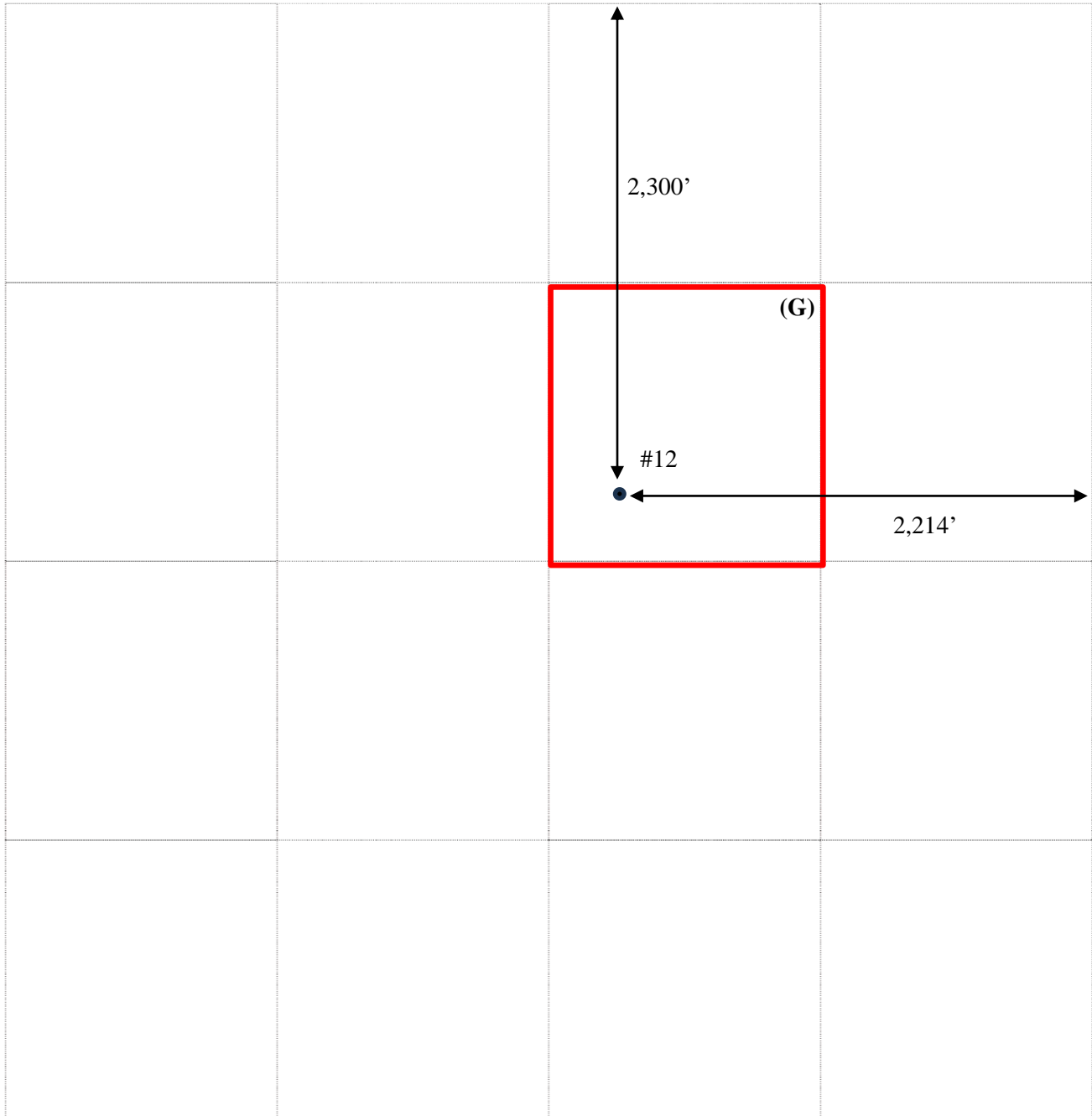
Certificate Number

Date of Survey

Note: 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.

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



SOLIS PARTNERS, LLC

PATHFINDER AFT STATE #12

API #30-005-62820

NATURAL GAS MANAGEMENT PLAN

VI. Separation Equipment:

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Adequate separation relates to retention time for Liquid – Liquid separation and velocity for Gas-Liquid separation.
- Collection systems are appropriately sized to handle facility production rates on all three (3) phases.
- Ancillary equipment and metering are selected to be serviced without flow interruptions or the need to release gas from the well.

VII. Operational Practices:

Production Operations

- Weekly AVOs will be performed on all facilities.
- After a well is stabilized from liquid unloading, the well will be turned into the collection system.
- Produced gas will be delivered from battery to IACX amine plant
- All tanks will be manually gauged.
- Leaking thief hatches found during AVOs will be cleaned and properly re-sealed.
- There will be no gas re-injection for underground storage, temporary storage, or for enhanced oil recovery.

Performance Standards

- Weekly AVOs will be performed on all wells and facilities.
- Production equipment will be designed to handle maximum anticipated rates and pressure.

Measurement & Estimation

- No meter bypasses will be installed.
- When metering is not practical due to low pressure / low rate, vented volume will be estimated.

VIII. Best Management Practices:

- During downhole well maintenance, Solis Partners will use best management practices to vent as minimally as possible.
- After downhole well maintenance, natural gas will be delivered into the collection system.

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 384195

CONDITIONS

Operator: Solis Partners, L.L.C. 4501 SANTA ROSA DR MIDLAND, TX 79707	OGRID: 330238
	Action Number: 384195
	Action Type: [C-101] Drilling Non-Federal/Indian (APD)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Operator must notify OCD 24 hours before work commences.	9/26/2024