

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
NMLC060524

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
POSEIDON 3 FEDERAL 49. API Well No.  
30-015-36570-00-S110. Field and Pool or Exploratory Area  
LOCO HILLS-QU-GB-SA

11. County or Parish, State

EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

SPUR ENERGY PARTNERS LLC

Contact: SARAH CHAPMAN

E-Mail: SCHAPMAN@SPUREPLLC.COM

3a. Address

920 MEMORIAL CITY WAY STE 1000  
HOUSTON, TX 77024

3b. Phone No. (include area code)

Ph: 832-930-8502

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 3 T17S R30E NESW 1650FSL 1830FWL

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Site Facility Diagram/Security Plan
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Notification of submittal of an updated Site Facility Diagram for the Poseidon 3 Federal 4 Facility.

The diagram applies to all the wells on Federal Lse# NMLC060524 and specifically designates the Oil FMP and Gas FMP sales points as noted below:

Poseidon 3 Federal 04 API# 3001536570 OnSite  
Poseidon 3 Federal 03 API# 3001536823 Remote Access  
Poseidon 3 Federal 19 API# 3001537808 Remote Access

**OIL TANK FILL VALVE OPERATION**

?43 CFR 3173.2(c)(9) Tank Vent line valves do not have to be sealed.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #512625 verified by the BLM Well Information System**  
**For SPUR ENERGY PARTNERS LLC, sent to the Carlsbad**  
**Committed to AFMSS for processing by DEBORAH MCKINNEY on 04/27/2020 (20DLM0509SE)**

Name (Printed/Typed) DAVID HARSELL

Title CONSULTANT

Signature (Electronic Submission)

Date 04/24/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	DEBORAH MCKINNEY Title LEGAL INSTRUMENTS EXAMINER	Date 04/28/2020
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office Carlsbad	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

Rec'd &amp; Accepted 04/29/2020 - KMS NMOCD

**Additional data for EC transaction #512625 that would not fit on the form**

**32. Additional remarks, continued**

**WATER TANK DRAIN VALVE OPERATION**

43 CFR 3173.2((c)(2) Because the Oil Tanks and Water Tanks have common drain lines. All oil and water tank drain valves will be sealed and on/off logs will be maintained.

## Revisions to Operator-Submitted EC Data for Sundry Notice #512625

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	SITE NOI	SITE NOI
Lease:	NMLC060524	NMLC060524
Agreement:		
Operator:	SPUR ENERGY PARTNERS, LLC 920 MEMORIAL CITY WAY SUITE 1000 HOUSTON, TX 77024 Ph: 281-795-2286	SPUR ENERGY PARTNERS LLC 920 MEMORIAL CITY WAY STE 1000 HOUSTON, TX 77024 Ph: 281.795.2286
Admin Contact:	SARAH CHAPMAN REGULATORY DIRECTOR E-Mail: schapman@spurepllc.com  Ph: 832-930-8613	SARAH CHAPMAN REGULATORY DIRECTOR E-Mail: SCHAPMAN@SPUREPLLC.COM  Ph: 832-930-8502
Tech Contact:	DAVID HARSELL CONSULTANT E-Mail: DART.consulting@yahoo.com  Ph: 713-416-3651	DAVID HARSELL CONSULTANT E-Mail: DART.consulting@yahoo.com  Ph: 713-416-3651
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	96718	LOCO HILLS-QU-GB-SA
Well/Facility:	POSEIDON 3 FEDERAL 04 Sec 3 T17S R30E NESW 1650FSL 1830FWL	POSEIDON 3 FEDERAL 4 Sec 3 T17S R30E NESW 1650FSL 1830FWL

SPUR ENERGY PARTNERS, LLC

SITE FACILITY DIAGRAM

POSEIDON 3 FEDERAL 4 TANK BATTERY

Legal: NESW, SEC 3, T17S, R30E

Lease #: NMLC060524

County: Eddy, New Mexico

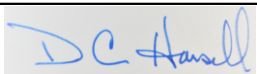
Wells on Location:

Poseidon 3 Federal 04 API# 3001536570

Remote Wells using Location:

Poseidon 3 Federal 03 API# 3001536823

Poseidon 3 Federal 19 API# 3001537808

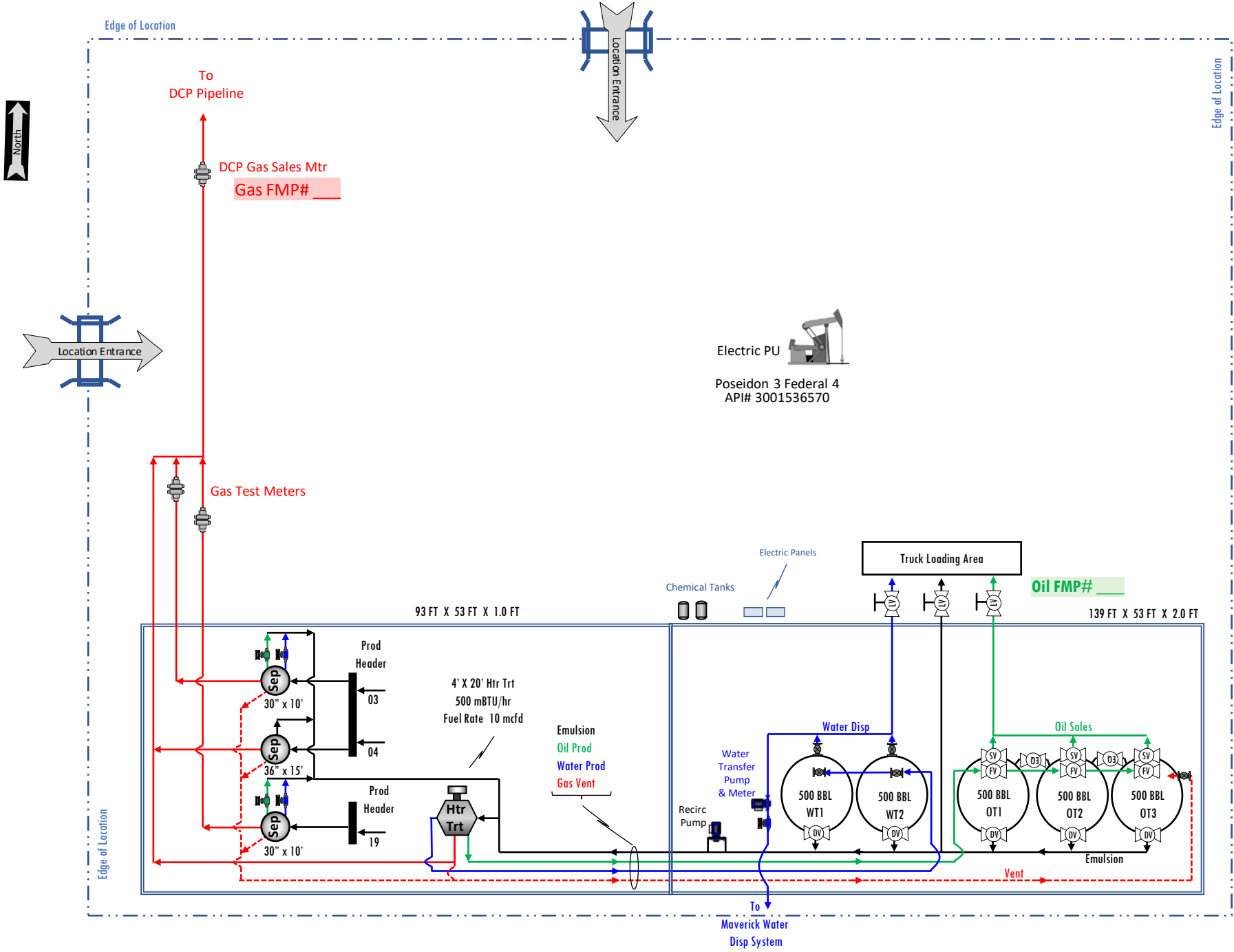
Mixed Line	→
Gas Line	→
Oil Line	→
Water Line	→
Berm	==
Sealed Valve -	⊗
Sealed Valve - Fill Valve	⊗ FV
Sealed Valve - Drain Valve	⊗ DV
Sealed Valve - Equalize Valve	⊗ EQ
Sealed Valve - Sales Valve	⊗ SV
Sealed Valve - Load Line	⊗ LV
Oil Meter	⊗
Water Meter	⊗
Gas Meter	⊗
Berm Capacity (bbl):	1,970
Largest Tank Capacity (bbl):	500
Printed Name:	David Harsell
Signature:	
Date:	4/20/2020

DART Consulting

DART.Consulting@yahoo.com

Spring, TX 713-416-3651

Page 1 of 3



SPUR ENERGY PARTNERS, LLC

**SITE FACILITY DIAGRAM**  
POSEIDON 3 FEDERAL 4 TANK BATTERY  
Legal: NESW, SEC 3, T17S, R30E  
Lease #: NMLC060524  
County: Eddy, New Mexico

Estimated Fuel Gas Consumption Calculations

Sales Gas BTU Rating: 6 1,314 mmbtu / cf

Equipment	Engine HP Rating	Process Efficiency Factor	Daily Utilization Factor	Engine Fuel Rating BTU/hp-hr	Firetube Fuel Rating MMBTU/hr	Fuel Usage MCFD
	1	2	3	4	5	
Heater Treater Firetube	-	0.65	0.65	-	0.50	10

Firetube Usage :

Process Efficiency Factor	X	Daily Utilization Factor	X	Firetube Fuel Rating (mmBTU)	X	24 hrs / Day	X	1000 ft <sup>3</sup> / mcf	÷	Gas BTU Content (mmBTU / ft <sup>3</sup> )	=	Fuel Usage (Mcf)
( 1 + 2 )	X	3	X	5	X	24	X	1000	÷	6	=	
1.65	X	0.65	X	0.500	X	24	X	1000	÷	1314	=	10.0

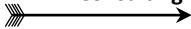
\*\*\* 1,314 mmBTU Gas Analysis based on DCP Gas Mar 2020 Statement

Process Efficiency Factor	- Inherent energy losses associated with fuel consumption
Daily Utilization Factor	- Utilization of the equipment in the field
Name Plate Fuel Rating	- Manufacturer's equipment rating for heat conveyance

**OIL TANK FILL VALVE OPERATION**  
§43 CFR 3173.2((c)(9) Tank Vent line valves do not have to be sealed.

**WATER TANK DRAIN VALVE OPERATION**  
§43 CFR 3173.2((c)(2) Oil Tanks and Water Tanks have common drain lines. All oil and water tank drain valves will be sealed and on/off logs will be maintained.

DART Consulting



DART.Consulting@yahoo.com

Spring, TX 713-416-3651

Page 2 of 3

Tank Valve Operation

PRODUCTION PHASE TANK OPERATION VALVE POSITIONS									
	OT1			OT2			OT3		
TANK SIZE - Bbls	500			500			500		
LOCATION	SEAL INSTALLED	OPEN	CLOSE	SEAL INSTALLED	OPEN	CLOSE	SEAL INSTALLED	OPEN	CLOSE
1 – FILL VALVE	X	X		X	X		X	X	
2 – SALES VALVE	X		X	X		X	X		X
3 – EQUALIZE VALVE	X	X		X	X		X	X	
4 – DRAIN VALVE	X		X	X		X	X		X

SALES PHASE TANK OPERATION VALVE POSITIONS									
	OT1			OT2			OT3		
TANK SIZE - Bbls	500			500			500		
LOCATION	SEAL INSTALLED	OPEN	CLOSE	SEAL INSTALLED	OPEN	CLOSE	SEAL INSTALLED	OPEN	CLOSE
1 – FILL VALVE	X		X	X		X	X		X
2 – SALES VALVE	X	X		X	X		X	X	
3 – EQUALIZE VALVE	X	X		X	X		X	X	
4 – DRAIN VALVE	X		X	X		X	X		X

DRAIN PHASE TANK OPERATION VALVE POSITIONS									
	OT1			OT2			OT3		
TANK SIZE - Bbls	500			500			500		
LOCATION	SEAL INSTALLED	OPEN	CLOSE	SEAL INSTALLED	OPEN	CLOSE	SEAL INSTALLED	OPEN	CLOSE
1 – FILL VALVE	X		X	X		X	X		X
2 – SALES VALVE	X		X	X		X	X		X
3 – EQUALIZE VALVE	X	X		X	X		X	X	
4 – DRAIN VALVE	X	X		X	X		X	X	

DRAIN PHASE WATER TANK OPERATION VALVE POSITIONS - ( OIL TANKS BEING DRAINED )						
TANK #	WT1			WT2		
TANK SIZE - Bbls	500			500		
LOCATION	SEAL INSTALLED	OPEN	CLOSE	SEAL INSTALLED	OPEN	CLOSE
1 – DRAIN VALVE	X		X	X		X

**SITE FACILITY DIAGRAM**  
POSEIDON 3 FEDERAL 4 TANK BATTERY  
Legal: NESW, SEC 3, T17S, R30E  
Lease #: NMLC060524  
County: Eddy, New Mexico

County: Eddy, New Mexico

## Deciden 2 Federal 10 ADI# 2001E27809

The diagram illustrates the production and processing flow for the Poseidon 3 oil field. It features three production wells (Poseidon 3 Federal 3, 4, and 19) connected to a common production header. Each well's output passes through a separator (S E P) before being mixed. The mixed stream then enters a heater (HTR TRTR) which is powered by a gas flare (0.500 mmBTU/hr, 10 MCFD). The heated mixture is then split into two paths: one for oil (OIL) and one for water (WATER). The oil path leads to three 500 bbl stock tanks (OT) and three 500 bbl FG tanks (WT). The water path leads to two 500 bbl FG tanks (WT). The oil is then trucked by Holly, and the water is pumped to the Maverick SW Gathering System. The diagram also shows gas sales meters (DCP, EFM) and various flow rates (GAS, OIL, WATER).

**Production Wells:**

- Poseidon 3 Federal 3 API# 3001536823
- Poseidon 3 Federal 4 API# 3001536570
- Poseidon 3 Federal 19 API# 3001537808

**Process Flow:**

- Prod Header:** Receives input from three wells.
- S E P (Separators):** Three separators (36" x 15', 30" x 10', 30" x 10') separate gas, oil, and water.
- Mixture:** Gas, oil, and water streams are mixed.
- HTR TRTR (Heater):** Heats the mixture. Specifications: 4' X 20' Htr Trt, 0.500 mmBTU/hr, Fuel Rate 10 MCFD.
- OIL:** Flows to three 500 bbl Stock Tanks (OT) and three 500 bbl FG Tanks (WT).
- WATER:** Flows to two 500 bbl FG Tanks (WT).
- Storage:** Oil is stored in three 500 bbl Stock Tanks (OT) and three 500 bbl FG Tanks (WT). Water is stored in two 500 bbl FG Tanks (WT).
- Transfer:** Oil is trucked by Holly. Water is pumped to the Maverick SW Gathering System.
- Gas Sales:** Gas is sold to DCP and EFM.

**Flow Rates:**

- GAS: 0.500 mmBTU/hr, Fuel Rate 10 MCFD
- OIL: 500 bbl Stock Tank #72194, 500 bbl Stock Tank #72195, 500 bbl Stock Tank #72196
- WATER: 500 bbl Stock Tank #72194, 500 bbl Stock Tank #72195, 500 bbl Stock Tank #72196








**Equipment:**

- Electric PU (Pump Unit)
- Prod Header
- S E P (Separators)
- Mixture
- HTR TRTR (Heater)
- OIL
- WATER
- OT (Oil Tank)
- WT (Water Tank)
- Recirc Pump
- Transfer Pump (Electric)
- Wtr Mtr (Water Meter)
- Gas Sales Meter
- DCP (Data Control Panel)
- EFM (Electronic Flow Meter)

**Other Labels:**

- Gas FMP#
- Oil FMP#
- Trucked by Holly
- Emulsion
- BS & W (Bottoms and Water)
- Maverick SW Gathering System To 3rd Party SWD

Page 3 of 3

	<b>GAS METER</b>		<b>GAS LINE</b>
	<b>OIL METER</b>		<b>OIL LINE</b>
	<b>WATER METER</b>		<b>WATER LINE</b>
			<b>MIXED LINE</b>