

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Rec'd 04/22/2020 - NMOCD

FORM 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.****SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
COG OPERATING LLCContact: SARAH CHAPMAN  
E-Mail: schapman@spurepllc.com3a. Address  
600 W ILLINOIS AVENUE  
MIDLAND, TX 797013b. Phone No. (include area code)  
Ph: 832-930-86134. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 2 T20S R25E NWNW 330FNL 380FWL5. Lease Serial No.  
NMNM0553777

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NMNM1249478. Well Name and No.  
GRAVE DIGGER FEDERAL COM 1H9. API Well No.  
30-015-37665-00-S110. Field and Pool or Exploratory Area  
N SEVEN RIVERS-GLOR-YESO11. County or Parish, State  
EDDY COUNTY, NM

## 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 Grave Digger Federal Com 01H Facility.

The diagram applies to all the wells on Federal Lse# NMNM0553777 CA# NMNM124947 listed below and specifically designates the Oil and Gas FMP sales points.

The facility has co-located gas sales meters on the facility site from these facilities:  
Grave Digger State Com 3H Tank Battery Gas Sales Mtr NM Prop# 308178  
Noose Federal Com 10H Tank Battery Gas Sales Mtr Lse#NMNM113927 CA# NMNM133169

The facility has a metered gas flare located offsite on an immediately adjacent well location within the boundaries of the federal lease.

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

**Electronic Submission #510963 verified by the BLM Well Information System**  
**For COG OPERATING LLC, sent to the Carlsbad**  
**Committed to AFMSS for processing by PRISCILLA PEREZ on 04/15/2020 (20PP2053SE)**

Name (Printed/Typed) DAVID HARSELL

Title CONSULTANT

Signature (Electronic Submission)

Date 04/15/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**Approved By **ACCEPTED**DEBORAH MCKINNEY  
Title LEGAL INSTRUMENTS EXAMINER

Date 04/22/2020

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 \*\***

Accepted 04/24/2020 - KMS NMOCD

**Additional data for EC transaction #510963 that would not fit on the form**

**32. Additional remarks, continued**

Grave Digger Federal Com 01H Facility:

Grave Digger Federal Com 1H API# 3001537665 Onsite

Grave Digger Federal Com 5H API# 3001540412 Remote Access

## Revisions to Operator-Submitted EC Data for Sundry Notice #510963

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	SITE NOI	SITE NOI
Lease:	NMNM0553777	NMNM0553777
Agreement:		NMNM124947 (NMNM124947)
Operator:	SPUR ENERGY PARTNERS, LLC 920 MEMORIAL CITY WAY SUITE 1000 HOUSTON, TX 77024 Ph: 281-795-2286	COG OPERATING LLC 600 W ILLINOIS AVENUE MIDLAND, TX 79701 Ph: 432.685.4385
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: 832-930-8613
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:	97565	N SEVEN RIVERS-GLOR-YESO
Well/Facility:	GRAVE DIGGER FEDERAL COM 01H Sec 2 T20S R25E NWNW 330FNL 380FWL	GRAVE DIGGER FEDERAL COM 1H Sec 2 T20S R25E NWNW 330FNL 380FWL

# SPUR ENERGY PARTNERS, LLC

## SITE FACILITY DIAGRAM

GRAVE DIGGER FEDERAL COM 1H TANK BATTERY

Legal: NWNW, SEC 2, T20S, R25E

Lease #: NMNM0553777

CA #: NMNM0124947

County: Eddy, New Mexico

### Wells on Location:

Grave Digger Federal Com 1H API# 3001537665

### Remote Wells using Location:

Grave Digger Federal Com 5H API# 3001540412

### Co-Located Facilities on Location:

Grave Digger State Com 3H Tank Battery Gas Sales Mtr

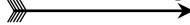
NM Prop# 308178

Noose Federal Com 10H Tank Battery Gas Sales Mtr

CA# NMNM133169

Mixed Line	→
Gas Line	→
Oil Line	→
Water Line	→
Berm	==
Ball Valve Fill Valve	(FV)
Ball Valve Drain Valve	(DV)
Ball Valve Equalize Valve	(EO)
Ball Valve Sales Valve	(SV)
Ball Valve Load Line	(LV)
Oil Meter	
Water Meter	
Gas Meter	
Berm Capacity (bbl):	2,238
Largest Tank Capacity (bbl):	500
Printed Name:	David Harsell
Signature:	
Date:	4/10/2020

DART Consulting



DART.Consulting@yahoo.com  
Spring, TX 713-416-3651

### Co-Located Facilities Highlighted in Yellow:

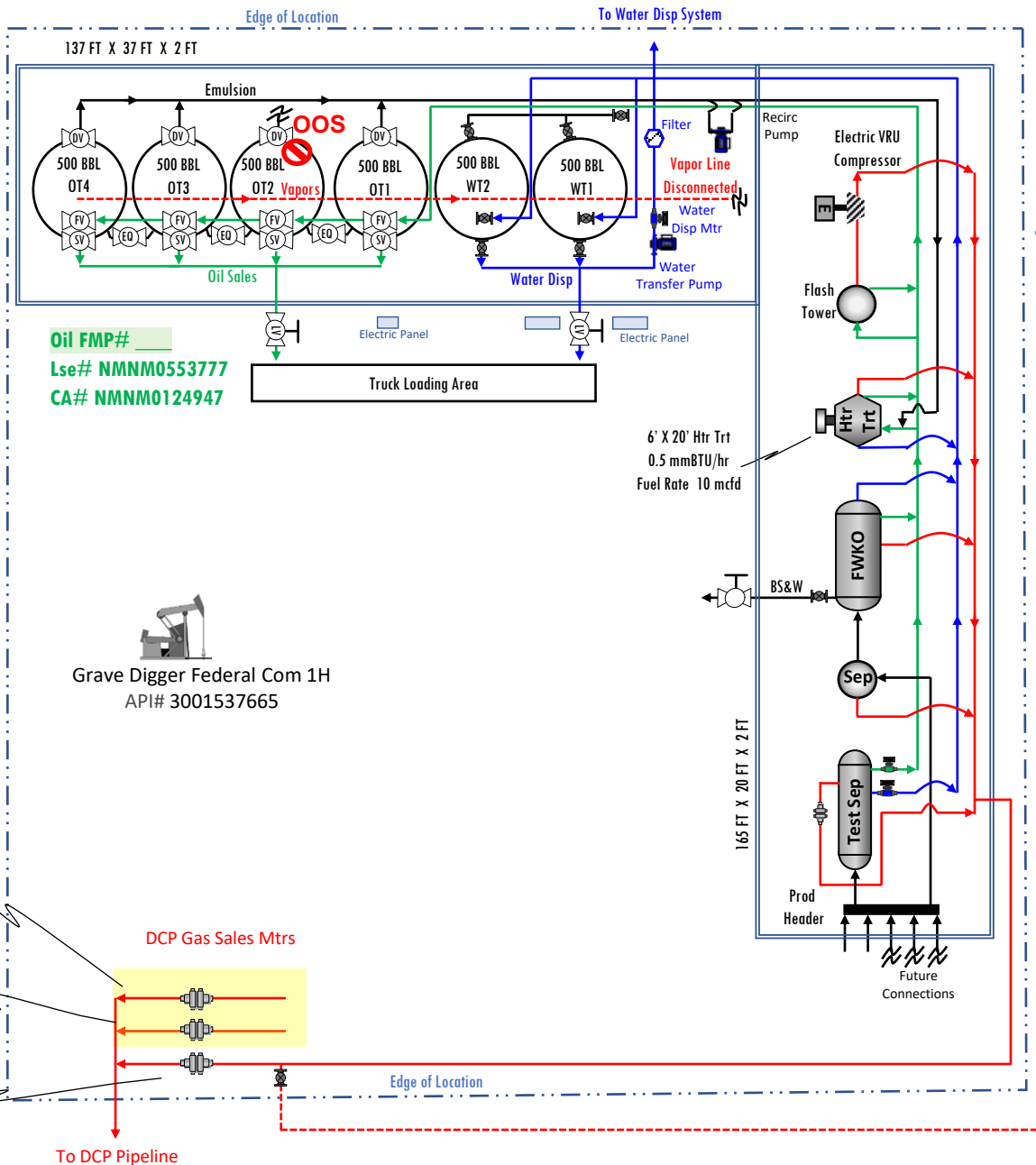
Grave Digger State Com 3H TB  
Gas Sales Meter  
DCP Mtr# 727906-00  
NM Prop# 308178

Gas FMP# \_\_\_\_  
Noose Federal Com 10H TB  
Gas Sales Meter  
DCP Mtr# 724975-00  
CA# NMNM133169

Gas FMP# \_\_\_\_

Grave Digger Federal Com 1 Tank Battery  
DCP Mtr# 724961-00  
Lse# NMNM0553777  
CA# NMNM0124947

LEASE ROAD



Grave Digger Federal Com 1H  
API# 3001537665

DCP Gas Sales Mtrs

Edge of Location

# SPUR ENERGY PARTNERS, LLC

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Lease #: NMNM0553777

CA #: NMNM0124947

County: Eddy, New Mexico

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Grave Digger Federal Com 1H API# 3001537665

### Remote Wells using Location:

Grave Digger Federal Com 5H API# 3001540412

### Co-Located Facilities on Location:

Grave Digger State Com 3H Tank Battery Gas Sales Mtr

NM Prop# 308178

Noose Federal Com 10H Tank Battery Gas Sales Mtr

CA# NMNM133169

### Co-Located Facilities

#### Highlighted in Yellow:

Grave Digger State Com 3H TB Gas Sales Meter

DCP Mtr# 727906-00

NM Prop# 308178

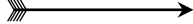
Gas FMP# \_\_\_\_

Noose Federal Com 10H TB Gas Sales Meter

DCP Mtr# 724975-00

CA# NMNM133169

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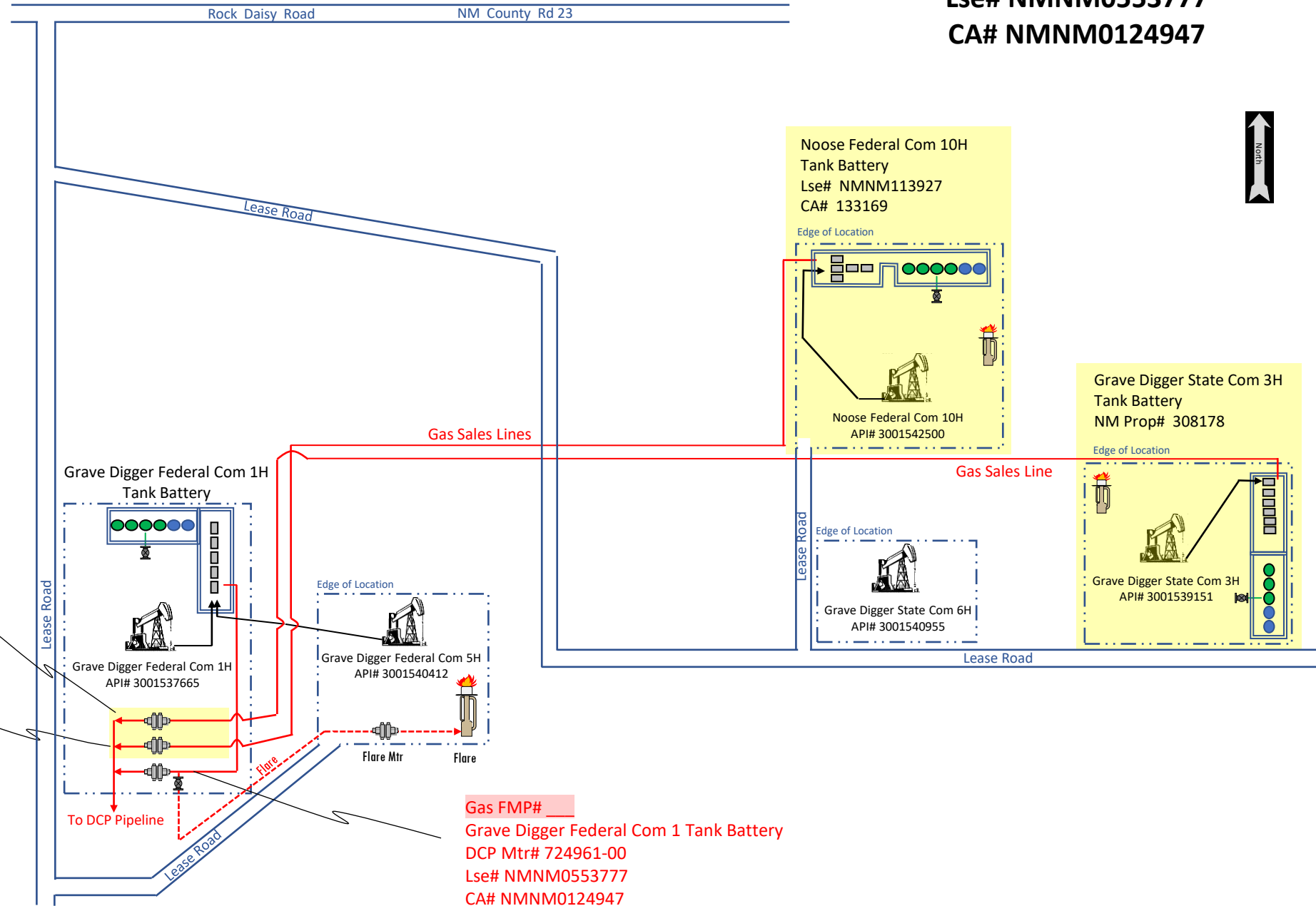
Spring, TX

713-416-3651

## GAS FMP SALES POINT OVERVIEW

Lse# NMNM0553777

CA# NMNM0124947



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Lease #: NMNM0553777  
CA #: NMNM0124947  
County: Eddy, New Mexico

Wells on Location:  
Grave Digger Federal Com 1H API# 3001537665

Remote Wells using Location:  
Grave Digger Federal Com 5H API# 3001540412

Co-Located Facilities on Location:  
Grave Digger State Com 3H Tank Battery Gas Sales Mtr  
NM Prop# 308178  
Noose Federal Com 10H Tank Battery Gas Sales Mtr  
CA# NMNM133169

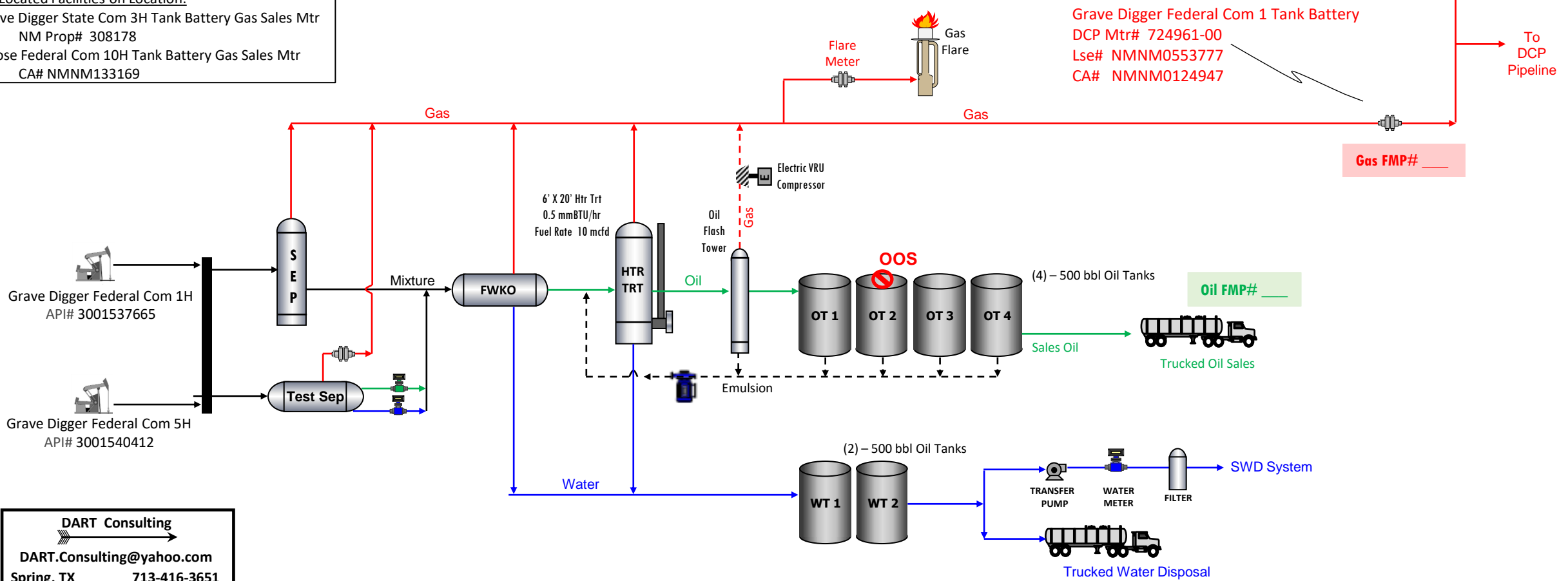
FLOW DIAGRAM

Co-Located Facilities:

Grave Digger State Com 3H TB Gas Sales Meter  
DCP Mtr# 727906-00  
NM Prop# 308178

Gas FMP# \_\_\_\_

Noose Federal Com 10H TB Gas Sales Meter  
DCP Mtr# 724975-00  
CA# NMNM133169



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Page 3 of 4

SPUR ENERGY PARTNERS, LLC

SITE FACILITY DIAGRAM

GRAVE DIGGER FEDERAL COM 1H TANK BATTERY

Legal: NWNW, SEC 2, T20S, R25E

Lease #: NMNM0553777

CA #: NMNM0124947

County: Eddy, New Mexico

Estimated Fuel Gas Consumption Calculations

Sales Gas BTU Rating: 6 1,285 mmbtu / cf

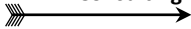
Equipment	Engine HP Rating	Process Efficiency Factor	Daily Utilization Factor	Engine Fuel Rating BTU/hp-hr	Firetube Fuel Rating MMBTU/hr	Fuel Usage MCFD
	1	2	3	4	5	
Heater Treater Firetube	-	0.65	0.65	-	0.50	10

Firetube Usage :											
Process Efficiency Factor	X	Daily Utilization Factor	X	Firetube Fuel Rating (mmBTU)	X	24 hrs / Day	X	1000 ft³/ mcf	÷	Gas BTU Content (mmBTU / ft³)	= Fuel Usage (Mcf)
( 1 + 2 )	X	3	X	5	X	24	X	1000	÷	6	=
1.65	X	0.65	X	0.50	X	24	X	1000	÷	1266	= 10.0

\*\*\* 1,285 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

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Page 4 of 4

Tank Valve Operation

PRODUCTION PHASE TANK OPERATION VALVE POSITIONS												
	OT1			OT2 OOS			OT3			OT4		
TANK SIZE - Bbls	500			500			500			500		
LOCATION	SEAL INSTALLED	OPEN	CLOSE	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 OOS			OT3			OT4		
TANK SIZE - Bbls	500			500			500			500		
LOCATION	SEAL INSTALLED	OPEN	CLOSE	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 OOS			OT3			OT4		
TANK SIZE - Bbls	500			500			500			500		
LOCATION	SEAL INSTALLED	OPEN	CLOSE	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	