

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Artesia

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.

5. Lease Serial No.
NMNM132673

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

8. Well Name and No.
MULTIPLE MULTIPLE

9. API Well No.

10. Field and Pool or Exploratory Area
ROUND TANK; SAN ANDRES

11. County or Parish, State
CHAVES COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
MACK ENERGY CORPORATION

Contact: JERRY W SHERRELL
E-Mail: jerrys@mec.com

3a. Address
PO BOX 960
ARTESIA, NM 88211-0960

3b. Phone No. (include area code)
Ph: 575-748-1288

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec -2147483648 T15S R29E Mer NMP FNL FEL

*DC 5-3-18
Accepted for record - NMOCD*

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	
	<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 recomplate 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 recompletion 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.

Mack Energy Corporation respectfully requests approval for off-lease measurement of gas production in various section in T15S R28E and T15S R29E. DCP Midstream is the purchaser of gas in this area. A single 4" line was the sales point for multiple leases operated by Mack. The existing DCP line was no longer capable of handling the production. Mack Energy installed a 10" gas line and associated 8" and 4" gathering lines. The sales point for gas production is now in Sec. 4 T16S R29E.

RECEIVED

MAY 03 2018

All facilities associated are equipped with allocation meters and/or both at the CTB's to properly measure gas for allocation. No Federal royalties will be reduced nor improper measurement will occur as a result of this approval.

DISTRICT II-ARTESIA O.C.D.

Attached is a list of all wells and facilities associated with this request. A diagram of each

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

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

Electronic Submission #411968 verified by the BLM Well Information System
For MACK ENERGY CORPORATION, sent to the Roswell
Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/23/2018 ()

Name (Printed/Typed) JERRY W SHERRELL Title PRODUCTION CLERK

Signature (Electronic Submission) Date 04/23/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE APR 30 2018

APPROVED
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Approved By _____ Title _____ Date _____

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 _____

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)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #411968 that would not fit on the form

32. Additional remarks, continued

facility has been attached.

Entity Name	Map County	State	Map Description	Unit	Sec.	Twmsp	Rng	Lat	Long
Blue Bomber Federal #1	Chaves	NM	2310 FSL 1650 FEL	J	7	15S	29E		
Blue Bomber Federal TB	Chaves	NM	2310 FSL 1650 FEL	J	7	15S	29E	33.02949	-104.06384
Calgary Federal #1	Chaves	NM	330 FSL 990 FEL	P	24	15S	28E		
Calgary Federal #2	Chaves	NM	1650 FSL 990 FEL	I	24	15S	28E		
Calgary Federal #5	Chaves	NM	2310 FNL 890 FEL	H	24	15S	28E		
Calgary Federal #6	Chaves	NM	2310 FNL 1945 FEL	G	24	15S	28E		
Calgary Federal #7	Chaves	NM	2310 FNL 1600 FWL	F	24	15S	28E		
Calgary Federal TB	Chaves	NM	990 FNL 330 FEL	A	25	15S	28E	32.991289	-104.077209
Eskimo State #1	Chaves	NM	330 FSL 1650 FWL	N	19	15S	29E		
Eskimo State #2	Chaves	NM	1650 FSL 1650 FWL	K	19	15S	29E		
Eskimo State #3	Chaves	NM	505 FNL 2310 FWL	C	30	15S	29E		
Eskimo State #4	Chaves	NM	1675 FNL 2310 FWL	F	30	15S	29E		
Eskimo State #5	Chaves	NM	2285 FSL 2310 FWL	K	30	15S	29E		
Eskimo State #6	Chaves	NM	965 FSL 2310 FWL	N	30	15S	29E		
Eskimo State #7	Chaves	NM	965 FNL 330 FWL	D	30	15S	29E		
Eskimo State #8	Chaves	NM	2285 FNL 465 FWL	E	30	15S	29E		
Eskimo State #9	Chaves	NM	1650 FSL 300 FWL	L	30	15S	29E		
Eskimo State #10	Chaves	NM	990 FSL 990 FWL	M	30	15S	29E		
Eskimo State TB	Chaves	NM	330 FSL 1650 FWL	N	19	15S	29E	32.9949168	-104.0708215
Klondike State Com	Chaves	NM	700 FSL 2285 FEL	O	23	15S	28E		
Medicine Hat State Com #1H	Chaves	NM	200 FSL 900 FWL	M	35	15S	28E		
Medicine Hat State Com #2H	Chaves	NM	500 FNL 2285 FWL	C	35	15S	28E		
Markham State Com #1H	Chaves	NM	330 FSL 990 FEL	P	23	15S	28E		
Klondike CTB	Chaves	NM	700 FSL 2285 FEL	O	23	15S	28E	32.9961778	-104.1013408
Packers Federal #1	Chaves	NM	1675 FNL 330 FEL	H	29	15S	29E		
Packers Federal TB	Chaves	NM	1675 FNL 330 FEL	H	29	15S	29E	32.98931	-104.04282
Prince Rupert Federal #1	Chaves	NM	1900 FSL 330 FWL	L	20	15S	29E		
Prince Rupert Federal #2	Chaves	NM	1650 FSL 1650 FWL	K	20	15S	29E		
Prince Rupert Federal #3H	Chaves	NM	330 FSL 2160 FEL	O	17	15S	29E		
Montreal Federal Com #1H	Chaves	NM	530 FSL 990 FEL	P	17	15S	29E		
Chilliwack Federal Com #1H	Chaves	NM	810 FSL 965 FWL	M	17	15S	29E		
Ottawa Federal Com #1H	Chaves	NM	660 FSL 355 FWL	M	20	15S	29E		
Windsor Federal Com #1H	Chaves	NM	660 FSL 1675 FWL	N	20	15S	29E		
Prince Rupert Federal TB	Chaves	NM	1900 FSL 330 FWL	L	20	15S	29E	32.9987124	-104.0581481
Seahawks Federal #1	Chaves	NM	1650 FSL 2310 FEL	J	19	15S	29E		
Seahawks Federal #2	Chaves	NM	1588 FSL 859 REL	I	19	15S	29E		
Seahawks Federal	Chaves	NM	1650 FSL 2310 FEL	J	19	15S	29E	32.998537	-104.0663347
Snow Lake Federal Com #1	Chaves	NM	990 FNL 330 FEL	A	25	15S	28E		
Snow Lake Federal Com	Chaves	NM	990 FNL 330 FEL	A	25	15S	28E	32.991289	-104.077209
Victoria Federal #1Y	Chaves	NM	330 FSL 350 FWL	M	19	15S	29E		

Entity Name	Map County	State	Map Description	Unit	Sec.	Twmsp	Rng	Lat	Long
Victoria Federal #2	Chaves	NM	1650 FSL 330 FWL	I	19	15S	29E		
Victoria Federal #4	Chaves	NM	2310 FNL 2310 FEL	G	30	15S	29E		
Victoria Federal #5	Chaves	NM	2285 FNL 230 FWL	E	19	15S	29E		
Victoria Federal #6	Chaves	NM	2160 FNL 1500 FWL	F	19	15S	29E		
Victoria Federal TB	Chaves	NM	330 FSL 350 FWL	M	19	15S	29E	32.9949111	-104.0750292
Whitehorse Federal #1	Chaves	NM	1650 FSL 2310 FEL	J	30	15S	29E		
Whitehorse Federal TB	Chaves	NM	1650 FSL 2310 FEL	J	30	15S	29E	32.98408	-104.06657
White Rock Federal #1H	Chaves	NM	140 FNL 555 FWL	D	28	15S	29E		
White Rock Federal #2H	Chaves	NM	140 FNL 1675 FWL	C	28	15S	29E		
Prince George Federal Com #1H	Chaves	NM	660 FNL 2285 FEL	B	32	15S	29E		
White Rock Federal TB	Chaves	NM	140 FNL 555 FWL	D	28	15S	29E	32.9937934	-104.040189
Ajax State Com #1H	Chaves	NM	736 FNL 464 FEL	A	36	15S	28E		
Red Deer Federal Com #2H	Chaves	NM	350 FNL 2285 FWL	C	35	15S	28E		
Ajax CTB	Chaves	NM	990 FNL 990 FEL	A	35	15S	28E	32.9768767	-104.0965475
Thunder Bay Federal Com #1H	Chaves	NM	10 FNL 1650 FWL	C	22	15S	29E		
Hamilton Federal Com #1H	Chaves	NM	383 FSL 598 FWL	M	15	15S	29E		
Thunder Bay CTB	Chaves	NM	SW/4 of the SW/4	M	22	15S	29E	32.5947994	-104.011931
Saskatoon Federal Com #1H	Chaves	NM	960 FSL 1675 FEL	O	18	15S	29E		
Saskatoon TB	Chaves	NM	960 FSL 1675 FEL	O	18	15S	29E	33.011277	-104.0646602

Gas Commingle CTB

Additional Data

- 1) A Map of exactly how this is all gonna come together. How it is flowing.
We are working on a map.
- 2) List of all the leases/Com agreements and I believe they are all 12.5% so please state that. if Com's are not created yet, we will have to add them via sundry notice when they are via sundry notice.
All existing leases are 12.5%. Com's have not been created yet, but I will get those to you ASAP. These leases and or wells are not capable of producing the amounts to initiate the Schedule B rate change.
- 3) Need to show that all the gas is the same quality and the value will not be reduced upon mixing (especially if different formations). This can be done by showing the BTU value and what it would be after mixing.
Every well in this project is producing from the Round Tank; San Andres Pool.
- 4) Statement that if this is not approved your other alternatives such as flare etc. as these wells are oil producers.
If this application is denied, Mack Energy would be forced to either flare 1211 mcf per day. The other alternative would be to shut in these leases Oil-1145 barrels per day, Gas-1211 mcf per day, in hopes that DCP would install pipelines.
- 5) If you have received approval from the state please provide us with that copy.
Waiting on approval.
- 6) We will need more details on the type of meters you will be using as well as the sales meter at the end location.
**Allocation and Test Meters are Total Flow Model-6213.
Sales Meter 742674-00 Total Flow Brand-Canalta, Model-G4 6213, 6"**
- 7) We also spoke bout 7 day testing if that is part of your allocation process please provide it.
Mack Energy will conduct tests for a 5 day interval for each well, to be tested at least once every 3 months. CTB is designed to individually test wells for proper allocation. Wells will be produced into individual tanks and total flow test meters during this test period.

Gas Pipelined to Sales Meter Canada CDP meter #742674-00

Mack Energy Corporation

11344 Lovington Hwy
Artesia, NM 88210

Prince Rupert TB
NWSW Sec. 20 T15S
R29E

NORTH



Flare

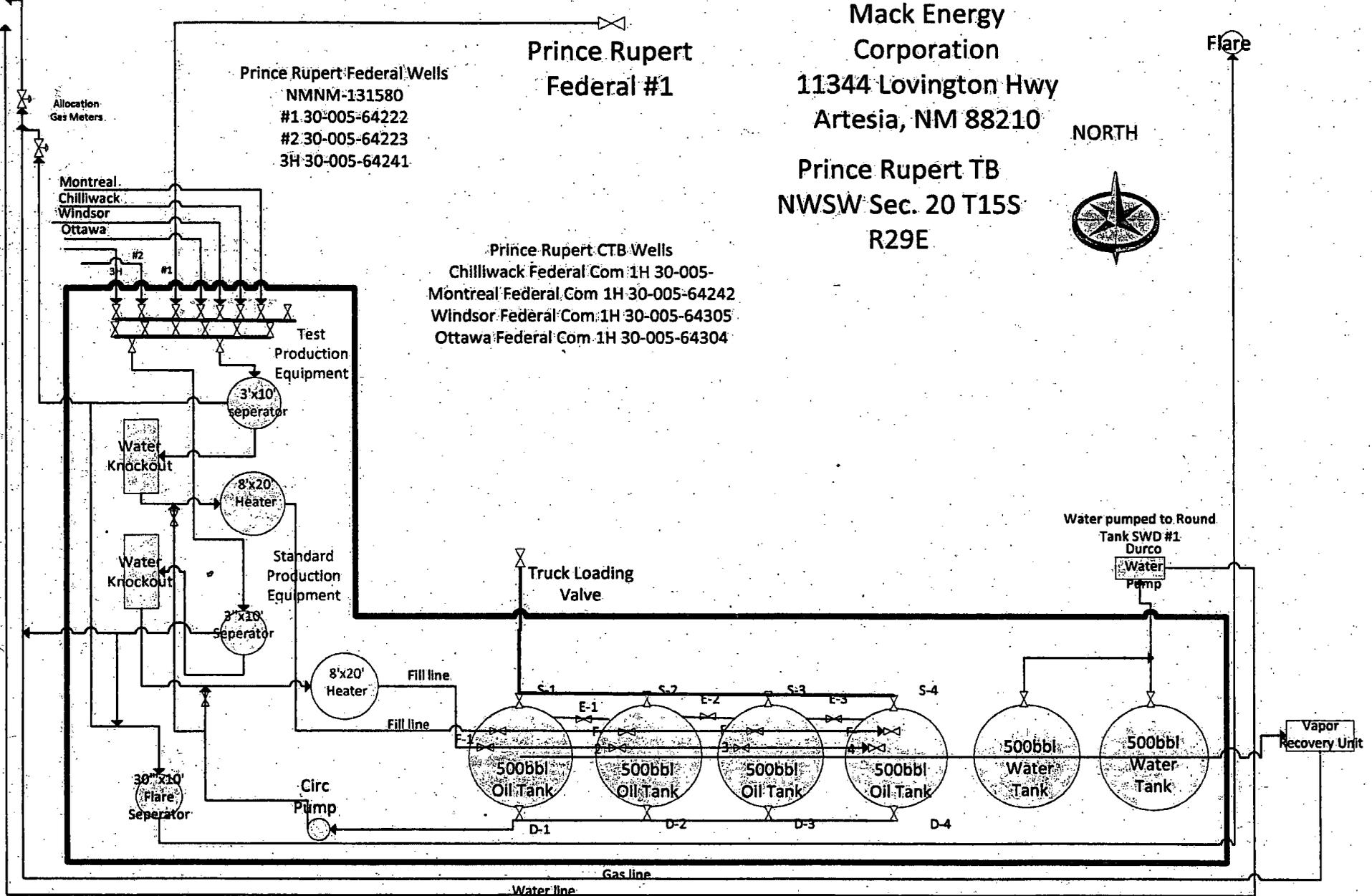
Prince Rupert Federal Wells

- NMNM-131580
- #1 30-005-64222
- #2 30-005-64223
- 3H 30-005-64241

Prince Rupert
Federal #1

Prince Rupert CTB Wells

- Chilliwack Federal Com 1H 30-005-
- Montreal Federal Com 1H 30-005-64242
- Windsor Federal Com 1H 30-005-64305
- Ottawa Federal Com 1H 30-005-64304



Water pumped to Round
Tank SWD #1
Durco
Water
Pump

Truck Loading
Valve

Standard
Production
Equipment

Test
Production
Equipment

Water
Knockout

Water
Knockout

30'x10'
Flare
Separator

Circ
Pump

Fill line

Fill line

3'x10'
Separator

8'x20'
Heater

3'x10'
separator

Gas line

Water line

Vapor
Recovery Unit

500bbl
Water
Tank

500bbl
Water
Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

D-4

D-3

D-2

D-1

S-4

S-3

S-2

S-1

E-3

E-2

E-1

Truck Loading
Valve

Standard
Production
Equipment

Test
Production
Equipment

Water
Knockout

Water
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Water
Tank

500bbl
Water
Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

D-4

D-3

D-2

D-1

S-4

S-3

S-2

S-1

E-3

E-2

E-1

Truck Loading
Valve

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Equipment

Test
Production
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Vapor
Recovery Unit

500bbl
Water
Tank

500bbl
Water
Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

D-4

D-3

D-2

D-1

S-4

S-3

S-2

S-1

E-3

E-2

E-1

Truck Loading
Valve

Standard
Production
Equipment

Test
Production
Equipment

Water
Knockout

Water
Knockout

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Separator

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Pump

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Water
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500bbl
Water
Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

D-4

D-3

D-2

D-1

S-4

S-3

S-2

S-1

E-3

E-2

E-1

Truck Loading
Valve

Standard
Production
Equipment

Test
Production
Equipment

Water
Knockout

Water
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500bbl
Water
Tank

500bbl
Water
Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

D-4

D-3

D-2

D-1

S-4

S-3

S-2

S-1

E-3

E-2

E-1

Truck Loading
Valve

Standard
Production
Equipment

Test
Production
Equipment

Water
Knockout

Water
Knockout

30'x10'
Flare
Separator

Circ
Pump

Fill line

Fill line

3'x10'
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8'x20'
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500bbl
Water
Tank

500bbl
Water
Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

D-4

D-3

D-2

D-1

S-4

S-3

S-2

S-1

E-3

E-2

E-1

Truck Loading
Valve

Standard
Production
Equipment

Test
Production
Equipment

Water
Knockout

Water
Knockout

30'x10'
Flare
Separator

Circ
Pump

Fill line

Fill line

3'x10'
Separator

8'x20'
Heater

3'x10'
separator

Gas line

Water line

Vapor
Recovery Unit

500bbl
Water
Tank

500bbl
Water
Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

D-4

D-3

D-2

D-1

S-4

S-3

S-2

S-1

E-3

E-2

E-1

Truck Loading
Valve

Standard
Production
Equipment

Test
Production
Equipment

Water
Knockout

Water
Knockout

30'x10'
Flare
Separator

Circ
Pump

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Water
Tank

500bbl
Water
Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

D-4

D-3

D-2

D-1

S-4

S-3

S-2

S-1

E-3

E-2

E-1

Truck Loading
Valve

Standard
Production
Equipment

Test
Production
Equipment

Water
Knockout

Water
Knockout

30'x10'
Flare
Separator

Circ
Pump

Fill line

Fill line

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Separator

8'x20'
Heater

3'x10'
separator

Gas line

Water line

Vapor
Recovery Unit

500bbl
Water
Tank

500bbl
Water
Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

500bbl
Oil Tank

D-4

D-3

D-2

D-1

S-4

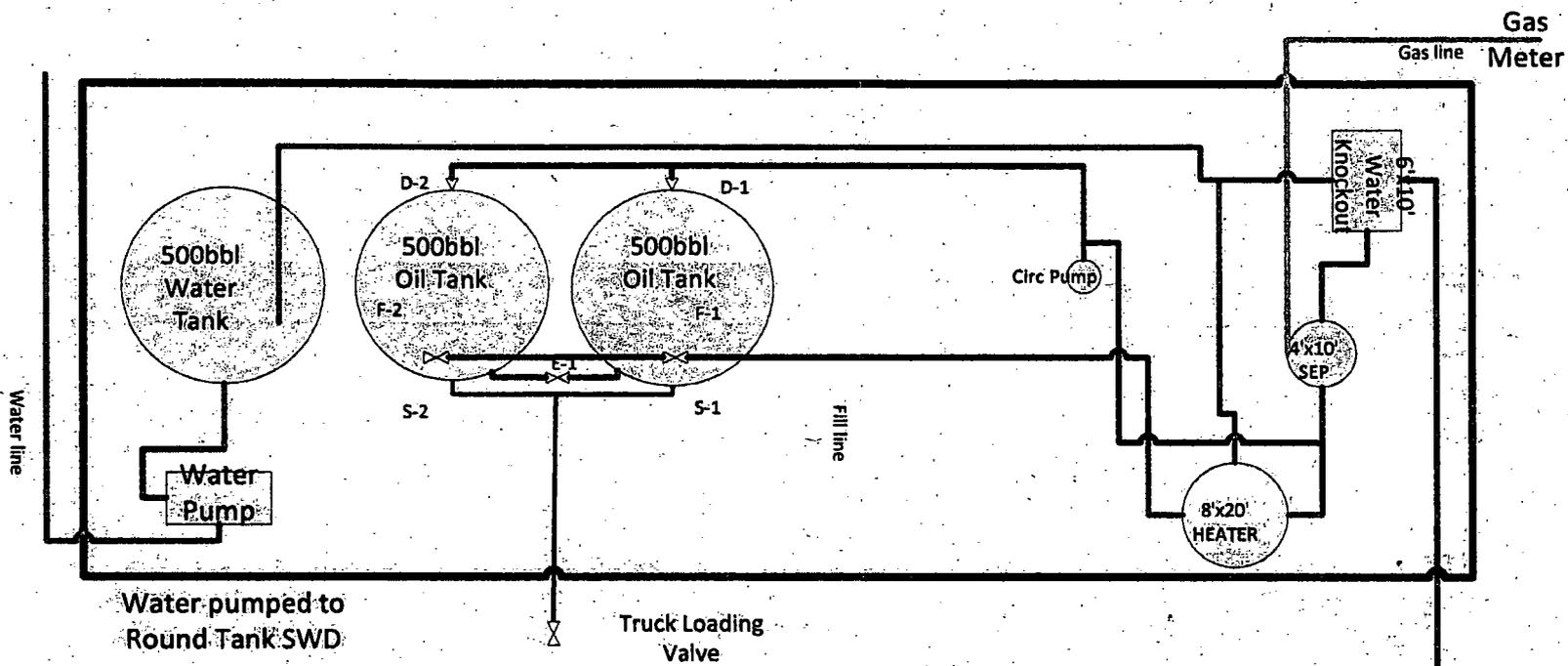
S-3

S-2

S-1

E-3

E-2



Production Phase

- Tank 1**
 F-1 Open
 F-2 Closed
 E-1 Open
 D-1 Open
 D-2 Closed
 S-1 Closed
 S-2 Closed

- Tank 2**
 F-1 Closed
 F-2 Open
 E-1 Open
 D-1 Closed
 D-2 Open
 S-1 Closed
 S-2 Closed

Saskatoon Federal TB
 SWSE Sec. 18 T15S R29E
 Lease NMNM101107

Mack Energy Corporation
 11344 Lovington Hwy
 Artesia, NM 88210

Sales Phase

- Tank 1**
 F-1 Closed
 F-2 Open
 E-1 Closed
 D-1 Closed
 D-2 Open
 S-1 Open
 S-2 Closed

- Tank 2**
 F-1 Open
 F-2 Closed
 E-1 Closed
 D-1 Open
 D-2 Closed
 S-1 Closed
 S-2 Open

Saskatoon
 Federal Com
 1H

Sales Phase

Tank 1
 F-1 Closed
 F-2 Closed
 F-3 Open
 E-1 Closed
 E-2 Open
 D-1 Closed
 D-2 Closed
 D-3 Open
 S-1 Open
 S-2 Closed
 S-3 Closed

Tank 2
 F-1 Closed
 F-2 Closed
 F-3 Closed
 E-1 Closed
 E-2 Open
 D-1 Closed
 D-2 Closed
 D-3 Closed
 S-1 Closed
 S-2 Open
 S-3 Closed

Tank 3
 F-1 Open
 F-2 Closed
 F-3 Closed
 E-1 Open
 E-2 Closed
 D-1 Open
 D-2 Closed
 D-3 Closed
 S-1 Closed
 S-2 Closed
 S-3 Open

NORTH



Mack Energy Corporation
 11344 Lovington Hwy
 Artesia, NM 88210

Victoria Federal 1

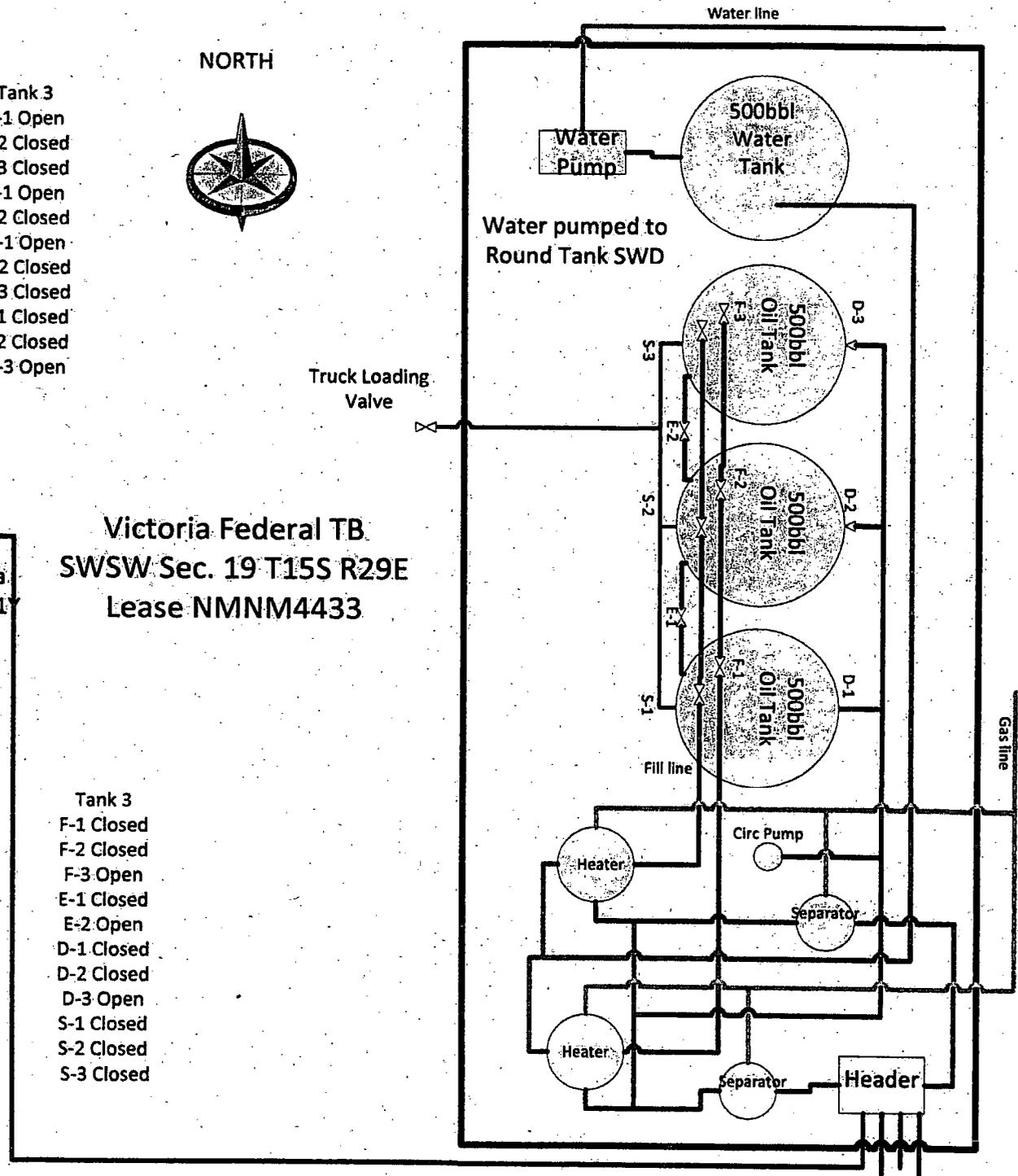
Victoria Federal TB
 SWSW Sec. 19 T15S R29E
 Lease NMNM4433

Production Phase

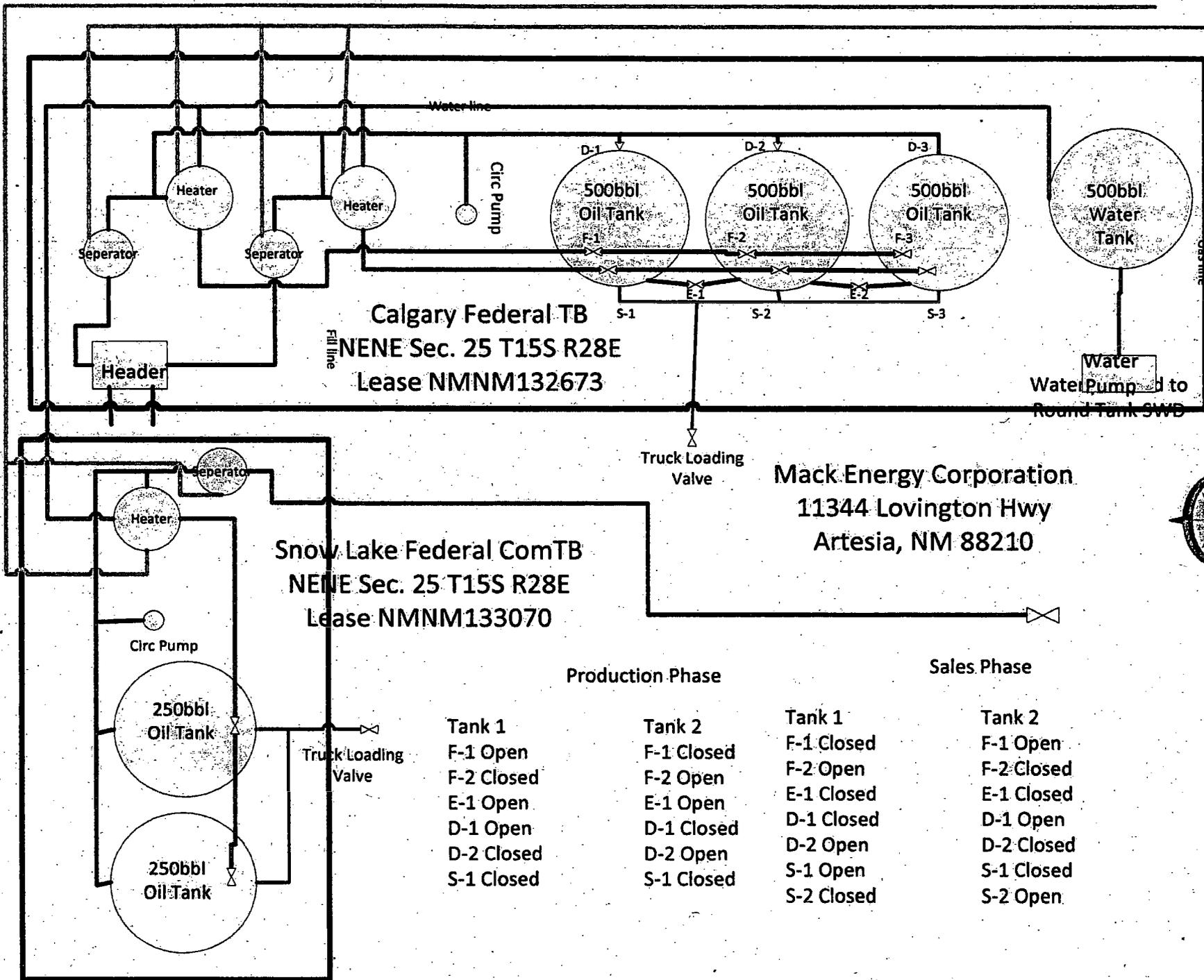
Tank 1
 F-1 Open
 F-2 Closed
 F-3 Closed
 E-1 Open
 E-2 Closed
 D-1 Open
 D-2 Closed
 D-3 Closed
 S-1 Closed
 S-2 Closed
 S-3 Closed

Tank 2
 F-1 Closed
 F-2 Open
 F-3 Closed
 E-1 Open
 E-2 Closed
 D-1 Closed
 D-2 Open
 D-3 Closed
 S-1 Closed
 S-2 Closed
 S-3 Closed

Tank 3
 F-1 Closed
 F-2 Closed
 F-3 Open
 E-1 Closed
 E-2 Open
 D-1 Closed
 D-2 Closed
 D-3 Open
 S-1 Closed
 S-2 Closed
 S-3 Closed



Gas Meter
located in the
SESW Sec. 19
T15S R29E
#727007



Calgary Federal TB
NENE Sec. 25 T15S R28E
Lease NMNM132673

Snow Lake Federal ComTB
NENE Sec. 25 T15S R28E
Lease NMNM133070

Mack Energy Corporation
11344 Lovington Hwy
Artesia, NM 88210



Production Phase

Sales Phase

Tank 1
F-1 Open
F-2 Closed
E-1 Open
D-1 Open
D-2 Closed
S-1 Closed

Tank 2
F-1 Closed
F-2 Open
E-1 Open
D-1 Closed
D-2 Open
S-1 Closed

Tank 1
F-1 Closed
F-2 Open
E-1 Closed
D-1 Closed
D-2 Open
S-1 Open
S-2 Closed

Tank 2
F-1 Open
F-2 Closed
E-1 Closed
D-1 Open
D-2 Closed
S-1 Closed
S-2 Open

10MOM131581

Production Phase

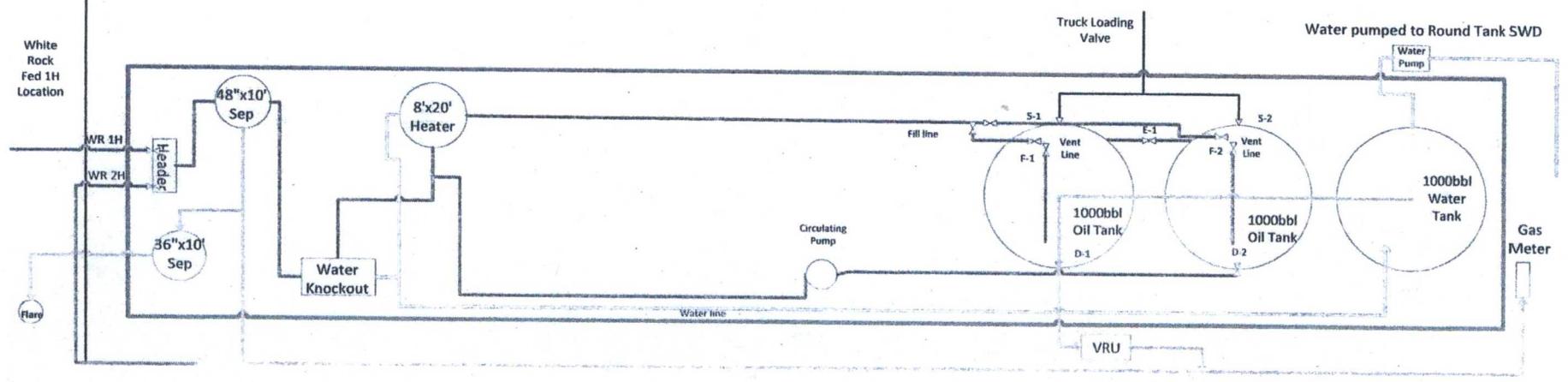
Tank 1	Tank 2
F-1 Open	F-1 Closed
F-2 Closed	F-2 Open
E-1 Open	E-1 Open
D-1 Open	D-1 Closed
D-2 Closed	D-2 Open
S-1 Closed	S-1 Closed
S-2 Closed	S-2 Closed

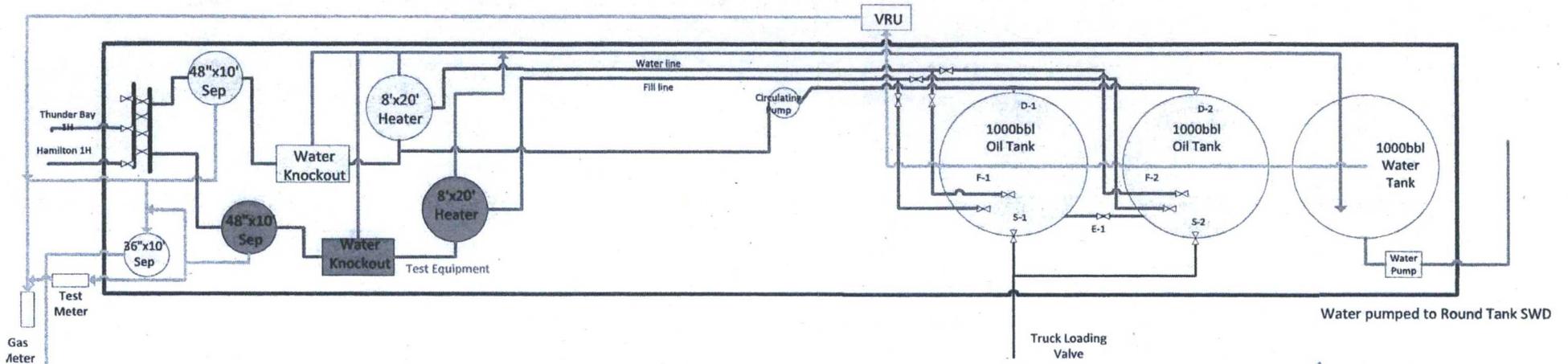
Sales Phase

Tank 1	Tank 2
F-1 Closed	F-1 Open
F-2 Open	F-2 Closed
E-1 Closed	E-1 Closed
D-1 Closed	D-1 Open
D-2 Open	D-2 Closed
S-1 Open	S-1 Closed
S-2 Closed	S-2 Open



Mack Energy Corporation
 PO Box 960 Artesia, NM 88211-0960
 White Rock Federal CTB
 NWNW Sec. 28 T15S R29E





Thunder Bay Federal 1H 30-005-64308
 Hamilton Federal 1H 30-005-64307



Production Phase

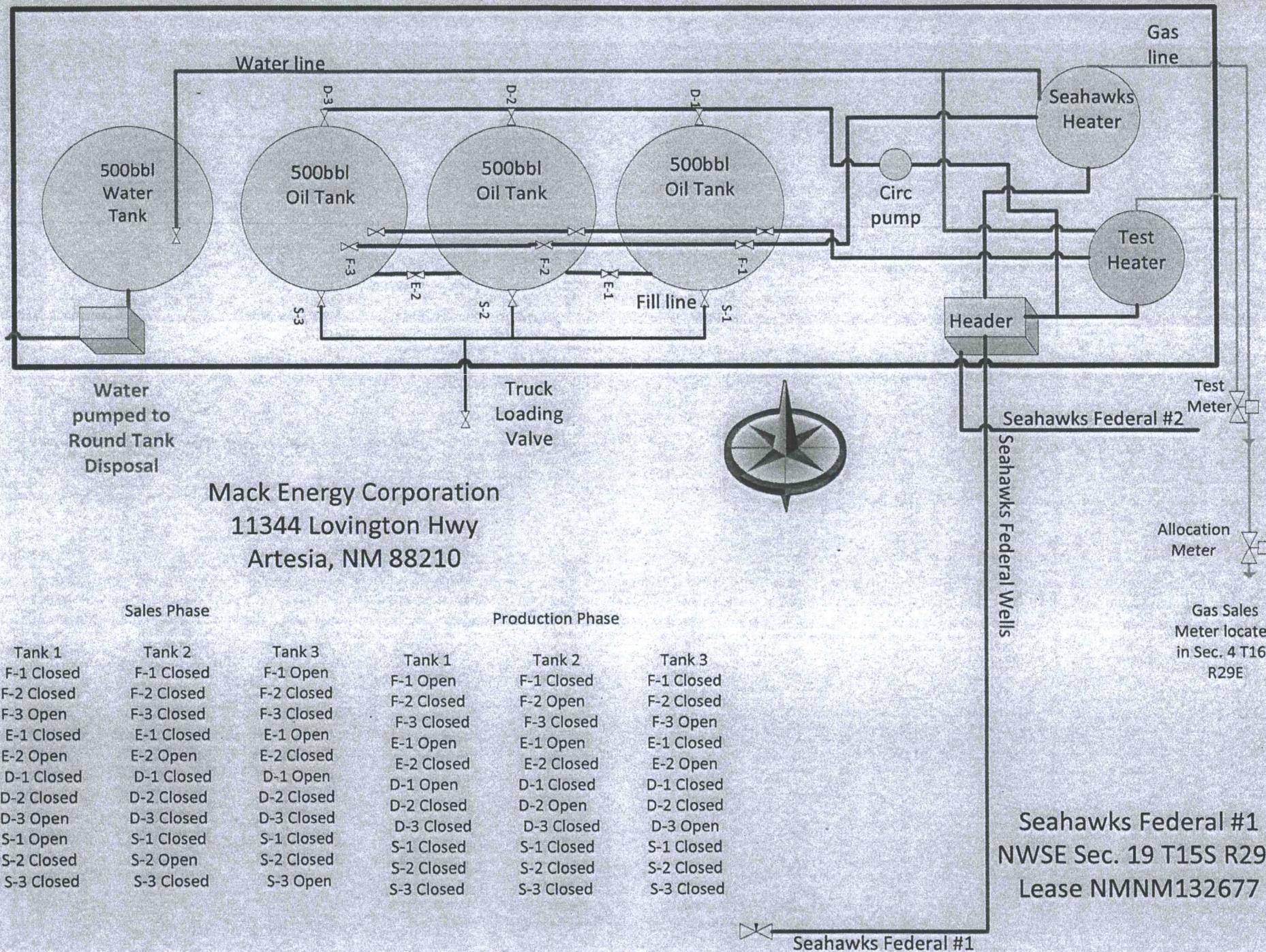
Tank 1	Tank 2
F-1 Open	F-1 Closed
F-2 Closed	F-2 Open
E-1 Open	E-1 Open
D-1 Open	D-1 Closed
D-2 Closed	D-2 Open
S-1 Closed	S-1 Closed
S-2 Closed	S-2 Closed

Sales Phase

Tank 1	Tank 2
F-1 Closed	F-1 Open
F-2 Open	F-2 Closed
E-1 Closed	E-1 Closed
D-1 Closed	D-1 Open
D-2 Open	D-2 Closed
S-1 Open	S-1 Closed
S-2 Closed	S-2 Open

Mack Energy Corporation
 PO Box 960 Artesia, NM 88211-0960
 Thunder Bay Federal CTB
 SWSW Sec. 22 T15S R29E

10MNM059038
 10MNM0557563



Mack Energy Corporation
 11344 Lovington Hwy
 Artesia, NM 88210

Sales Phase

Tank 1	Tank 2	Tank 3
F-1 Closed	F-1 Closed	F-1 Open
F-2 Closed	F-2 Closed	F-2 Closed
F-3 Open	F-3 Closed	F-3 Closed
E-1 Closed	E-1 Closed	E-1 Open
E-2 Open	E-2 Open	E-2 Closed
D-1 Closed	D-1 Closed	D-1 Open
D-2 Closed	D-2 Closed	D-2 Closed
D-3 Open	D-3 Closed	D-3 Closed
S-1 Open	S-1 Closed	S-1 Closed
S-2 Closed	S-2 Open	S-2 Closed
S-3 Closed	S-3 Closed	S-3 Open

Production Phase

Tank 1	Tank 2	Tank 3
F-1 Open	F-1 Closed	F-1 Closed
F-2 Closed	F-2 Open	F-2 Closed
F-3 Closed	F-3 Closed	F-3 Open
E-1 Open	E-1 Open	E-1 Closed
E-2 Closed	E-2 Closed	E-2 Open
D-1 Open	D-1 Closed	D-1 Closed
D-2 Closed	D-2 Open	D-2 Closed
D-3 Closed	D-3 Closed	D-3 Open
S-1 Closed	S-1 Closed	S-1 Closed
S-2 Closed	S-2 Closed	S-2 Closed
S-3 Closed	S-3 Closed	S-3 Closed

Seahawks Federal #1
 NWSE Sec. 19 T15S R29E
 Lease NMNM132677

Gas Sales
 Meter located
 in Sec. 4 T16S
 R29E

Eskimo State #1



Mack Energy Corporation
PO Box 960 Artesia, NM 88211-0960
Eskimo State TB
SESW Sec. 19 T15S R29E

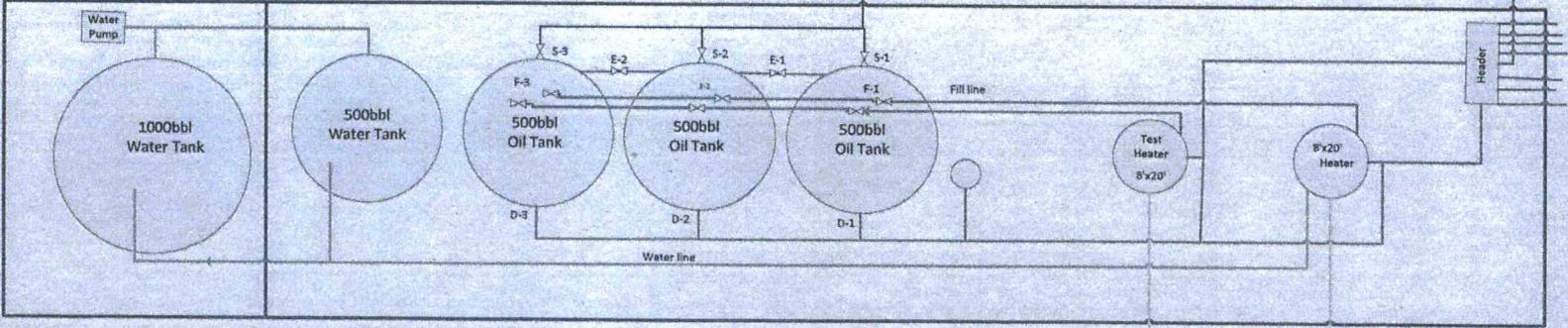
NORTH



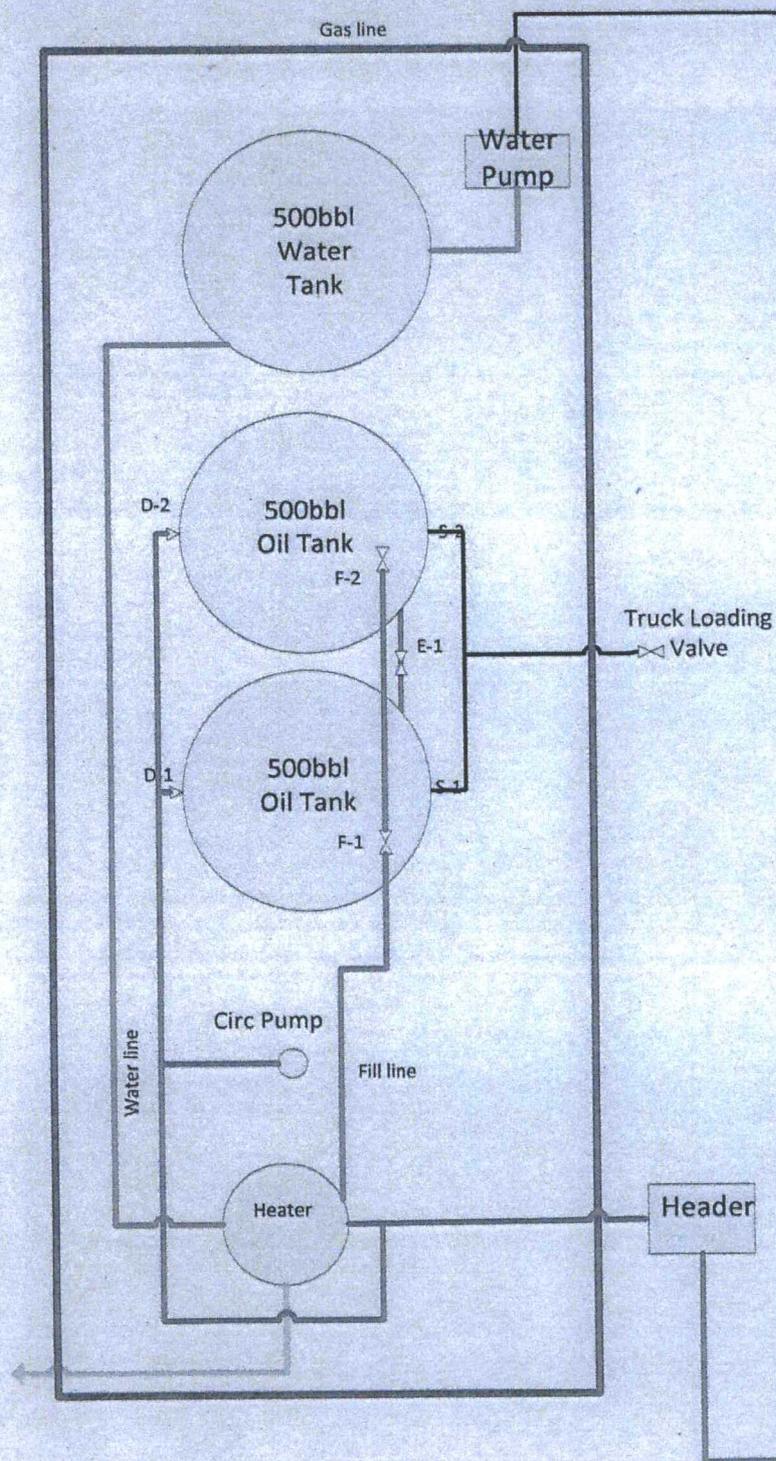
40 hp Gas
Compressor

Water
Pumped
to Round
Tank
SWD

Truck Loading
Valve



Gas
Meter



Water pumped to Round Tank SWD

Mack Energy Corporation
 11344 Lovington Hwy
 Artesia, NM 88210



Whitehorse Federal #1

Whitehorse Federal TB
 NWSE Sec. 30 T15S R29E
 Lease NMNM-0560397

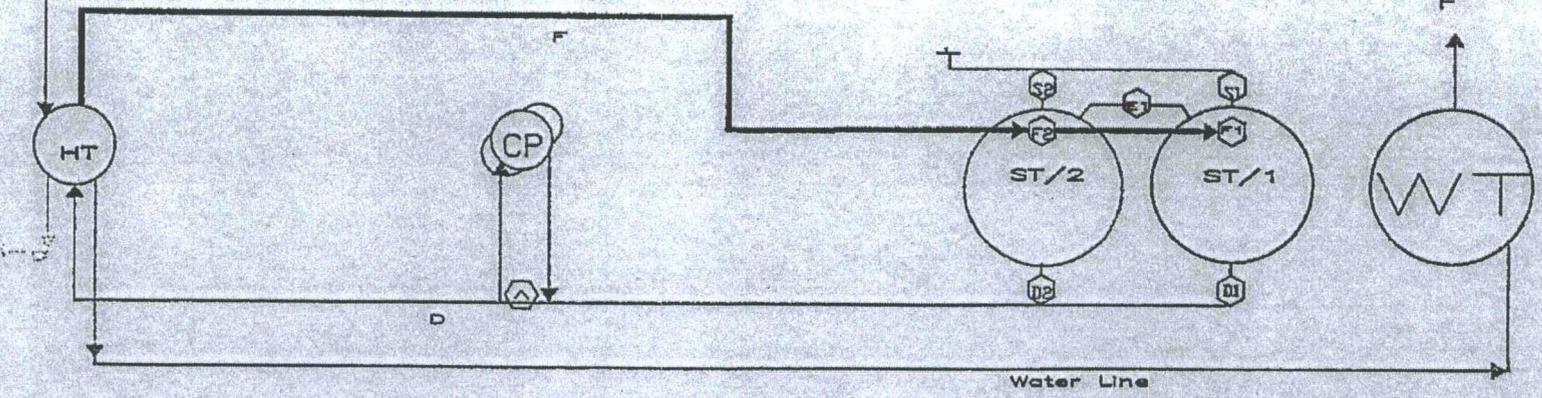
Production Phase		Sales Phase	
Tank 1	Tank 2	Tank 1	Tank 2
F-1 Open	F-1 Closed	F-1 Closed	F-1 open
F-2 Closed	F-2 Open	F-2 Open	F-2 Closed
E-1 Open	E-1 Open	E-1 Closed	E-1 Closed
D-1 Closed	D-1 Closed	D-1 Closed	D-1 Closed
D-2 Closed	D-2 Closed	D-2 Closed	D-2 Closed
S-1 Closed	S-1 Closed	S-1 Open	S-1 Closed
S-2 Closed	S-2 Closed	S-2 Closed	S-2 Open

MACK

Energy Corporation



Blue Bomber Header



Production Phase

Packers Battery	
S/T 1	S/T 2
F1	Closed
O1	Open
C1	Closed
S1	Open
F2	Closed
O2	Open
C2	Closed
S2	Open

Sales Phase

Packers Battery	
S/T 1	S/T 2
F1	Open
O1	Open
C1	Closed
S1	Closed
F2	Open
O2	Open
C2	Closed
S2	Open

This Lease is subject to the site Security plan for southeast New Mexico operations.

The Plan is Located at :

Mack Energy Corporation
P.O. Box 960
Artesia NM 85211-0960

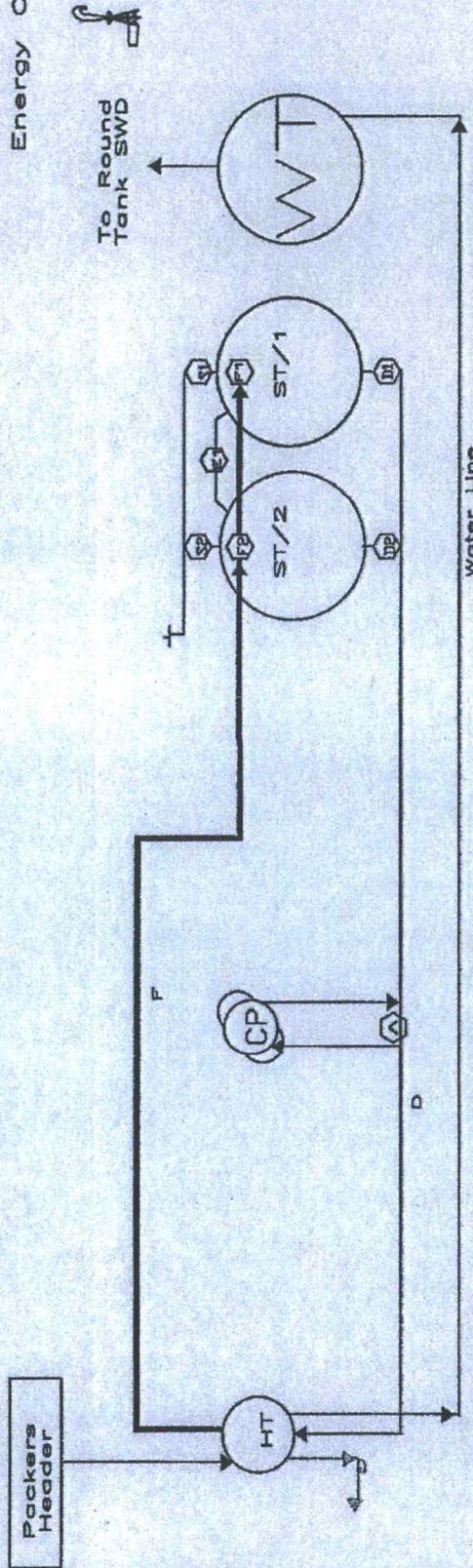
Mack Energy Corporation
Blue Bomber Federal Tank Battery
NW/4, SE/4

Section 7 T155 R29E

— Blue Bomber Lease

MACK

Energy Corporate



Production Phase

Packers Battery	
S/T 1	S/T 2
Open	Closed
Closed	Open
Open	Closed
Closed	Open
Open	Closed
Closed	Open
Open	Closed
Closed	Open
Open	Closed
Closed	Open

Sales Phase

Packers Battery	
S/T 1	S/T 2
Open	Open
Closed	Closed
Open	Open
Closed	Closed
Open	Open
Closed	Closed
Open	Open
Closed	Closed
Open	Open
Closed	Closed

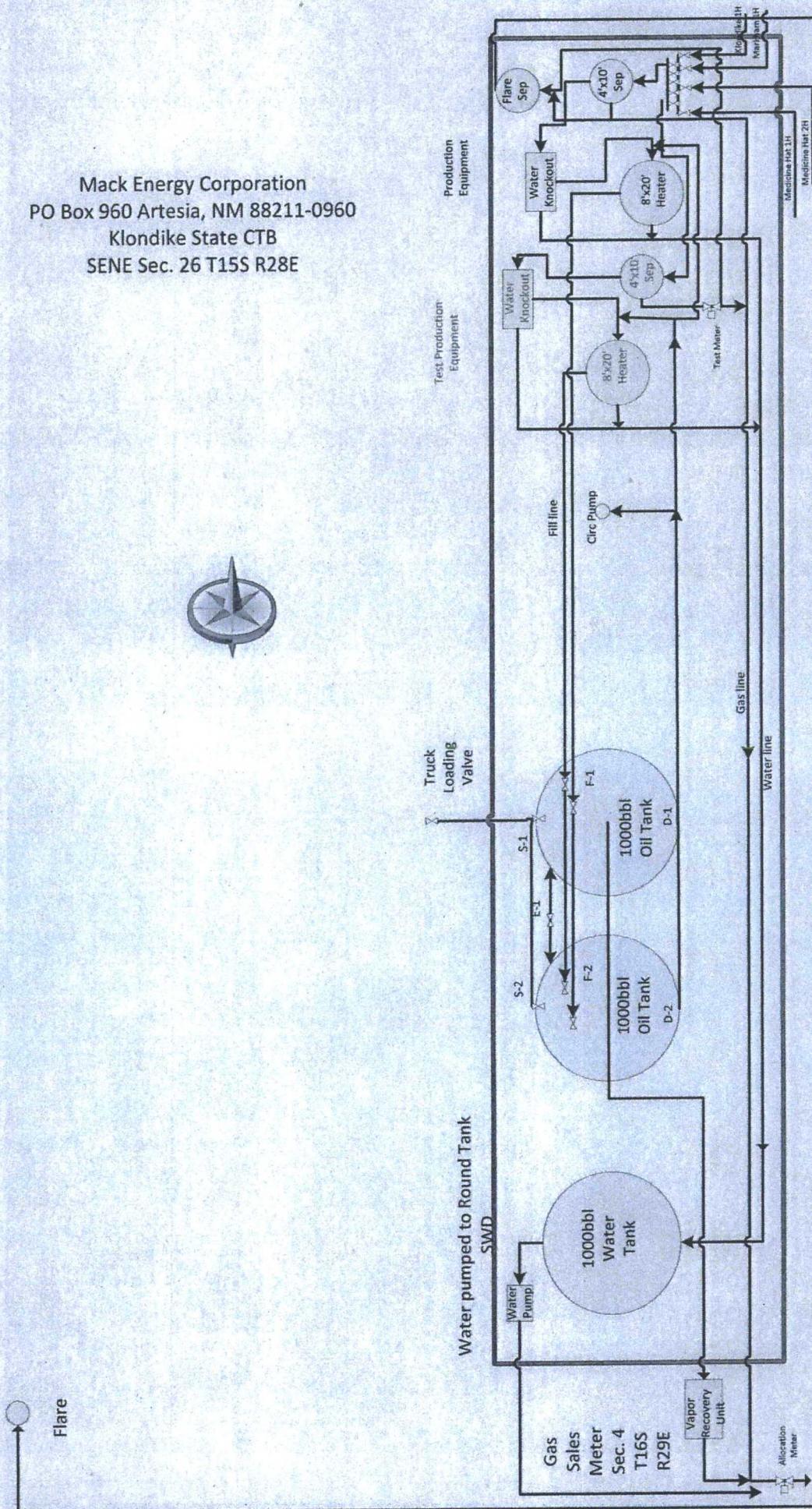
This Lease is subject to the site Security plan for southeast New Mexico operations.

The Plan is Located at :

Mack Energy Corporation
P.O. Box 960
Artesia NM 88211-0960

Mack Energy Corporation
Packers Federal Tank Battery
SE/4 NE/4
Section 29 T15S R29E
Packers Lease

Mack Energy Corporation
 PO Box 960 Artesia, NM 88211-0960
 Klondike State CTB
 SENE Sec. 26 T15S R28E



Production Phase

Tank 1	Tank 2
F-1 Open	F-1 Closed
F-2 Closed	F-2 Open
E-1 Open	E-1 Open
D-1 Open	D-1 Closed
D-2 Closed	D-2 Open
S-1 Closed	S-1 Closed
S-2 Closed	S-2 Closed

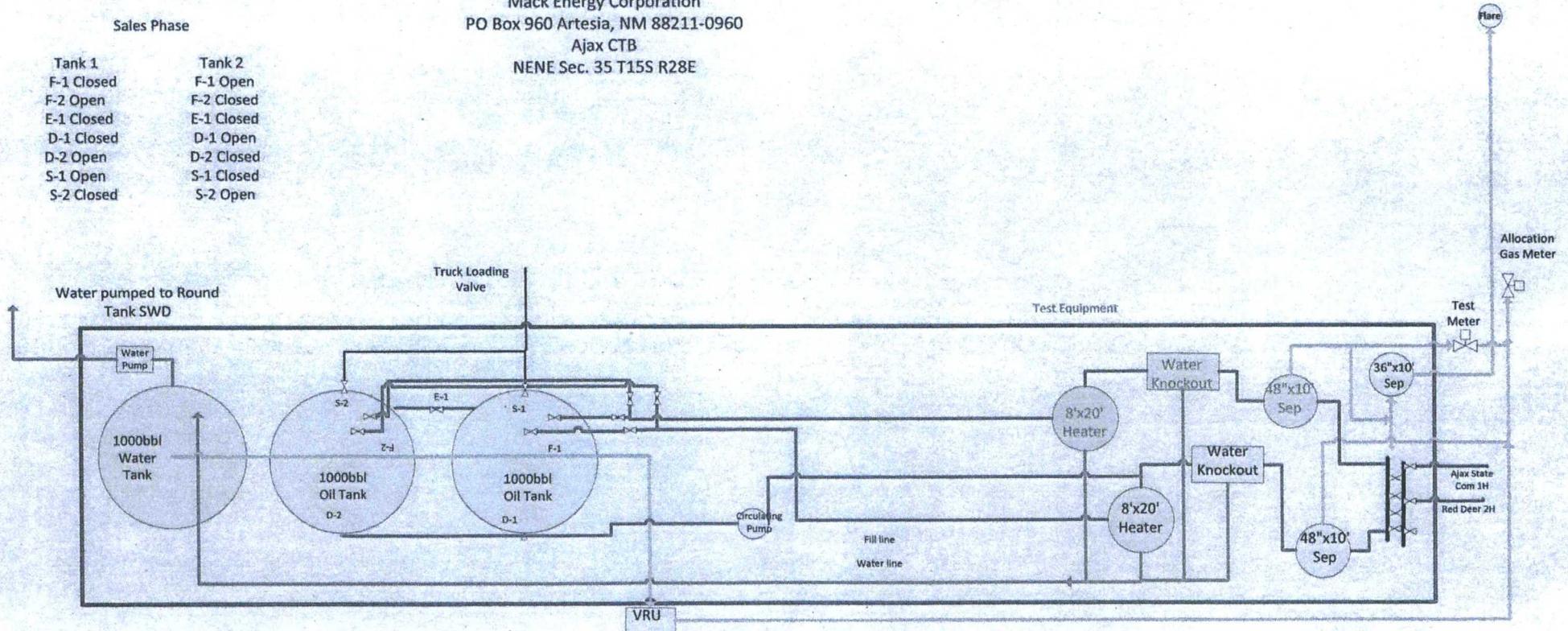
Ajax State Com 1H 30-005-64294
 Red Deer Federal Com 1H 30-005-



Sales Phase

Tank 1	Tank 2
F-1 Closed	F-1 Open
F-2 Open	F-2 Closed
E-1 Closed	E-1 Closed
D-1 Closed	D-1 Open
D-2 Open	D-2 Closed
S-1 Open	S-1 Closed
S-2 Closed	S-2 Open

Mack Energy Corporation
 PO Box 960 Artesia, NM 88211-0960
 Ajax CTB
 NENE Sec. 35 T15S R28E



**Bureau of Land Management
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-1287
(575) 627-0272**

**Off-Lease Measurement, Off-Lease Storage, And Surface Commingling
Conditions Of Approval**

1. This agency will be notified of any change in your sales method or location of the sales meter.
2. This agency shall be notified of any spill or discharge as required by NTL-3A.
3. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
4. This approval is subject to like approval by the New Mexico Oil Conservation Division.
5. Additional wells and/or leases require additional commingling approvals.
6. Contact the BLM Roswell Field Office at least 24 hours prior to the commencing any well test. For wells in Chaves and Roosevelt County, during office hours or after office hours call (575) 627-0205. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.
7. This approval does not constitute right-of-way approval for any off-lease activities. Within 30 days an application for right-of-way approval must be submitted to the Realty Section to the BLM Roswell Field Office at 2909 West Second Street, Roswell, New Mexico 88201-1287 for wells in Chaves or Roosevelt County if you have not already done so.

All wells are producing from the San Andres Formation. Operator has proposed acceptable allocation method. Prince George Federal Com 1H, Ajax State Com 2H, Red Deer Federal Com 2H, and Saskatoon Federal Com 1H are not approved permits. This sundry approval is not an approval for the permits.

JAM 043018