



P. O. Box 1416
Roswell, New Mexico
January 26, 1967

7 Jan 27 PM

PC-316

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Dear Sir:

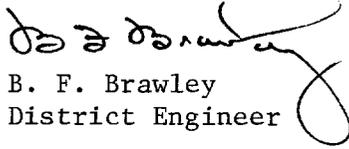
Sunray DX Oil Company hereby requests permission to commingle the Blinebry and Drinkard production on the Elliott "A" lease located in the E 1/2 of the N 1/4 of Section 21, T-21-S, R-37-E.

In compliance with Rule 303 the following data is submitted for your approval.

- (1) Blinebry oil gravity; Drinkard oil gravity.
- (2) Daily production from each pool.
- (3) Commingled gravity.
- (4) Schematic diagram of proposed installation.
- (5) Plat of the subject lease.
- (6) Value of commingled oil as compared with the individual pool production.
- (7) A copy of the approval to commingle this production from the United States Geological Survey.

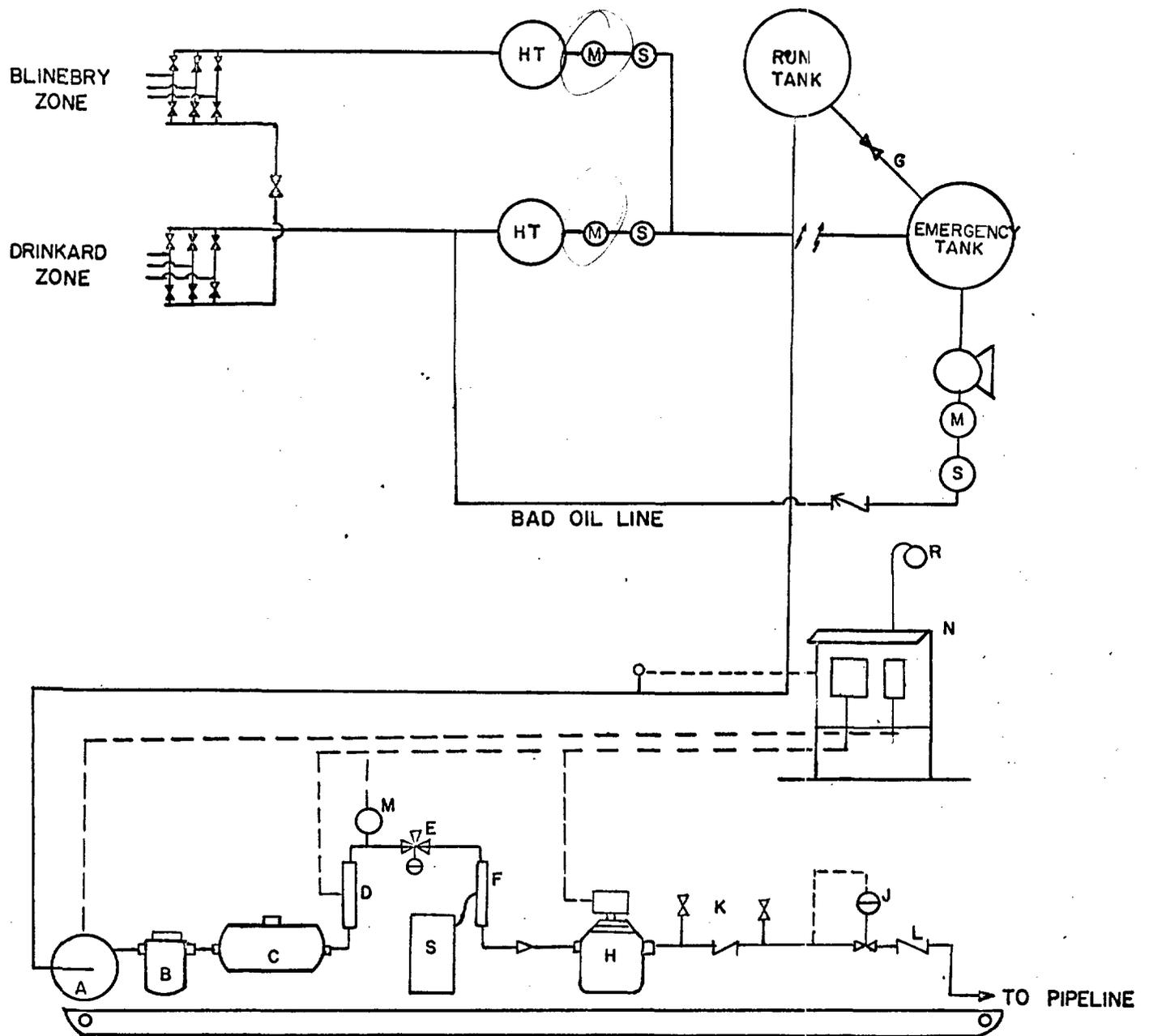
Yours truly,

SUNRAY DX OIL COMPANY


B. F. Brawley
District Engineer

BFB:DF:sk

Enclosures



- A - Pump - Sized for Max. Daily Production
- B - Strainer (Combination)
- C - Deareator (Combination)
- D - BS&W Capacitance Probe
- E - 3-way Diverting Valve ;
- F - Sampler
- G - Equalizing Line
- H - Meter w/Temp. Compensator and Non-Reset Counter
- J - Back Press. Valve
- K - Prover By-Pass Loop
- L - Check Valve
- N - Skid Mounted Control Rack w/BS&W Monitor, Motor Starter, Transformer
- R - Malfunction Signal Light
- S - Sample Container

Sunray DX Oil Company
 Battery Diagram
 Elliott "A" Battery
 Lea County, New Mexico

Drinkard
Open Hole 6525-6630

1 

Blinebry (Oil)
Perf (1/Ft) 5104-14-35-55-65

3 

Tubb (Gas)
Perfs 6150-78, 6202-32, 6245-67 (4 Shots/Ft)

Drinkard
Perfs 6520-6635
(Open Hole)



2

 4
Blinebry (Oil)
Perfs 5793, 5805,
26-48-56 (2/ft)

1" = 330'

Sunray DX Oil Co.
Elliott "A" Lease

Commercial Value of Oil Prior and After Commingled
(Based on Oct Production)

Blinebry

2268 Bbl/mo 37.9° API \$2.97/Bbl = \$6735.86

Drinkard

852 Bbl/mo 43.1° API \$3.01/Bbl = \$2564.52

Total Income \$9300.38

Commingled Production

3120 Bbl/mo 40.5° API \$2.99/Bbl = \$9328.80

Increase due to commingling \$28.80

U. S. G. S.
December 27, 1966
Page 2

Commingled gravity of Drinkard-Blinebry Oil

Drinkard Production
70 BOPD at 43.1° API

Blinebry Production
65 BOPD at 37.9° API

$$\text{Commingled Gravity} = \frac{(\text{Drkd Production}) (\text{°API})}{\frac{\text{Drkd Prod.}}{\text{Total Prod.}}} + \frac{\text{Blby Production} (\text{°API})}{\frac{\text{Blbry Prod.}}{\text{Total Prod.}}}$$

$$= \frac{\frac{70}{135} (43.1) + \frac{65}{135} (37.9)}{\frac{70}{135} + \frac{65}{135}}$$

$$= \frac{22.34}{.5185} + \frac{18.24}{.4814}$$

$$\text{Commingled Gravity} = \frac{40.58}{.9999} = 40.58^\circ \text{ API}$$



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

IN REPLY REFER TO:

*Lab
of
Drawn
file*

PR-3 Elliott A.

January 5, 1967

Sunray DX Oil Company
P. O. Box 1416
Roswell, New Mexico 88201

Attention: Mr. B. F. Brawley

Gentlemen:

Your letter of December 27 requests approval to commingle Blinebry and Drinkard production from wells in the E $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 21, T. 21 S., R. 37 E., Lea County, New Mexico, lease Las Cruces 032591(a). Approval of automatic custody transfer equipment to handle the commingled production is also requested.

The systems for commingling and custody transfer described by the diagram attached to your letter are hereby approved.

You are requested to notify our Hobbs office when the installation is completed so that a field inspection of the systems can be made.

Sincerely yours,

JOHN A. ANDERSON
Regional Oil and Gas Supervisor