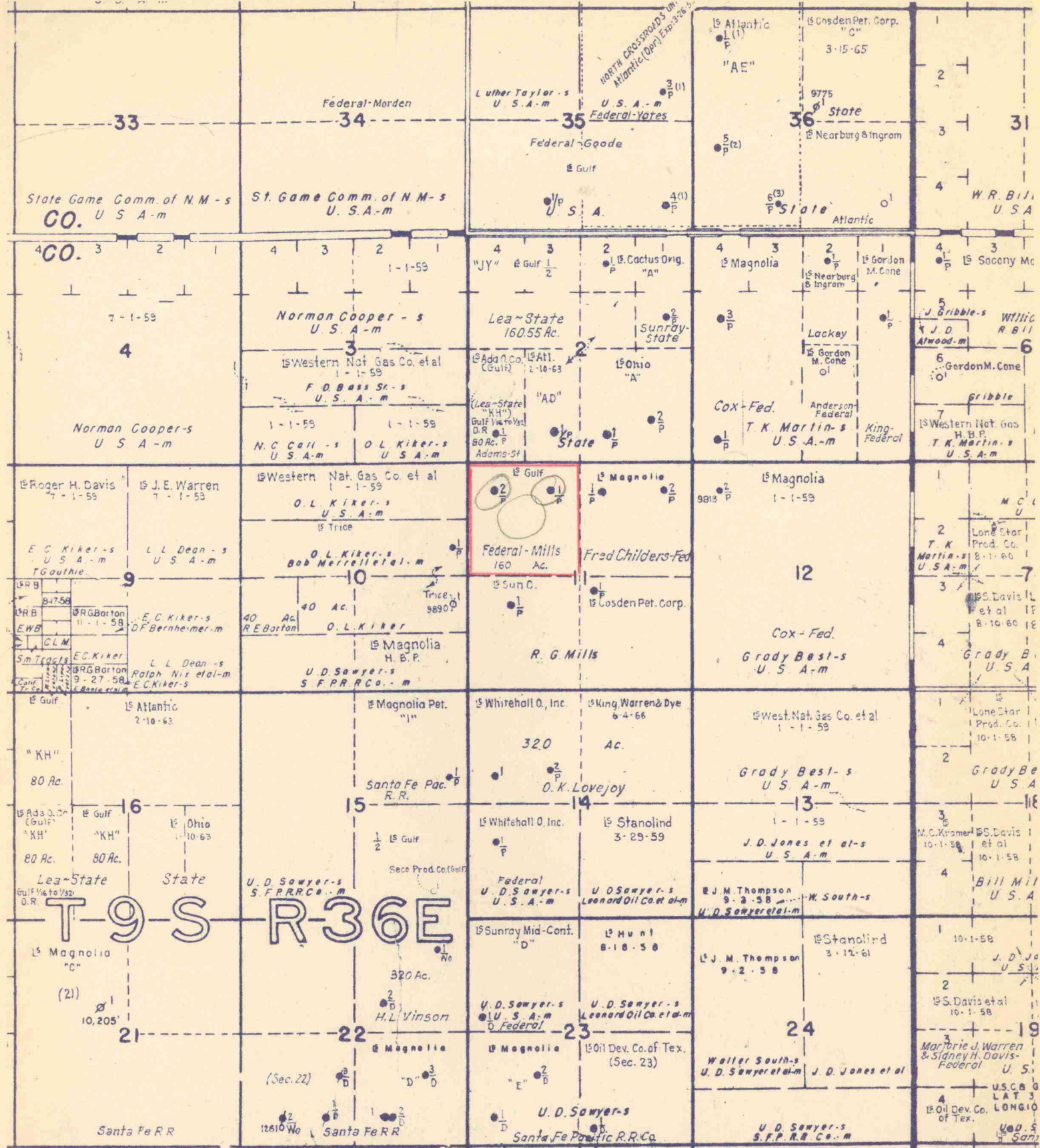




BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 Gulf. EXHIBIT NO. 1
 CASE NO. 2091

LEASE PLAT
 FEDERAL MILLS
 Lea County, New Mexico

- LEGEND -

Pertinent Gulf Lease

Case No. 2091
 Exhibit No. 1

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY FIELD or LOCATION WELL COMPANY	COMPANY	WARREN PETROLEUM CORPORATION	Location of Well
	WELL	FEDERAL MILLS #1	660' FNL & 1980' FWL SEC. 11-9S-36E
	FIELD	WILDCAT	ES, GKL
	LOCATION	SEC. 11-9S-36E	
	COUNTY	LEA	Elevation: D.F.: 4063 K.B.: or G.L.:
	STATE	NEW MEXICO	FILING No.

RUN No.	1	Gulf Oil Corporation			
Date	1-30-54	Case No. 2091			
First Reading	9504	Exhibit No.			
Last Reading	4209	Oct. 5, 1960			
Feet Measured	5295				
Csg. Schlum.	4209				
Csg. Driller	4210				
Depth Reached	9507				
Bottom Driller	9510				
Depth Datum	KB 12' ABV. GL				
Mud Nat.	SALT				
" Density	10.2				
" Viscosity	53				
" Resist.	11 @ 56°F	@	@	@	@
" Res. BHT	14 @ 158°F	@	@	@	@
" pH	@ °F	@	@	@	@
" Wtr. Loss	9.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	158				
Bit Size	7 1/2"				
Spcgs.—AM	12" NOF				
A	12" IS				
AO	12" IS				
Opr. Rig Time	2.00				
Truck No.	1130				
Recorded By	May 1961				
Witness By	Smith				

BEFORE EXAMINED
 GULF OIL CORPORATION
 CASE NO. 2091

13-3/8" OD csg @ 375'

Cmtd w/400 sax
Cmt circ to to surface

9-5/8" OD csg @ 4208'

Cmtd w/1800 sax
Cmt circ to surface

2-7/8" OD Hydril tbg
set @ 8700'

(swaged down to 2-3/8"
OD @ Pkr)

2-1/2" Free csg type
hydraulic pump

2-3/8" OD Hydril tbg

Baker Model "K" Pkr
set @ 8700'

8970'
Abo Perfs
8990'

2" BMW seating nipple
@ 9655'

7" OD csg @ 9670'

Penn (Open hole)
9670-9703'

Baker Model C-3 Receptacle
seal assy @ 9651'

Baker Model "DA" Pkr
set @ 9655'

Cmtd w/1653 sax
Top cmt @ 4015'

2" type BC CV @ 9687'

TD 9703'

Case No. 2091
Exhibit No.

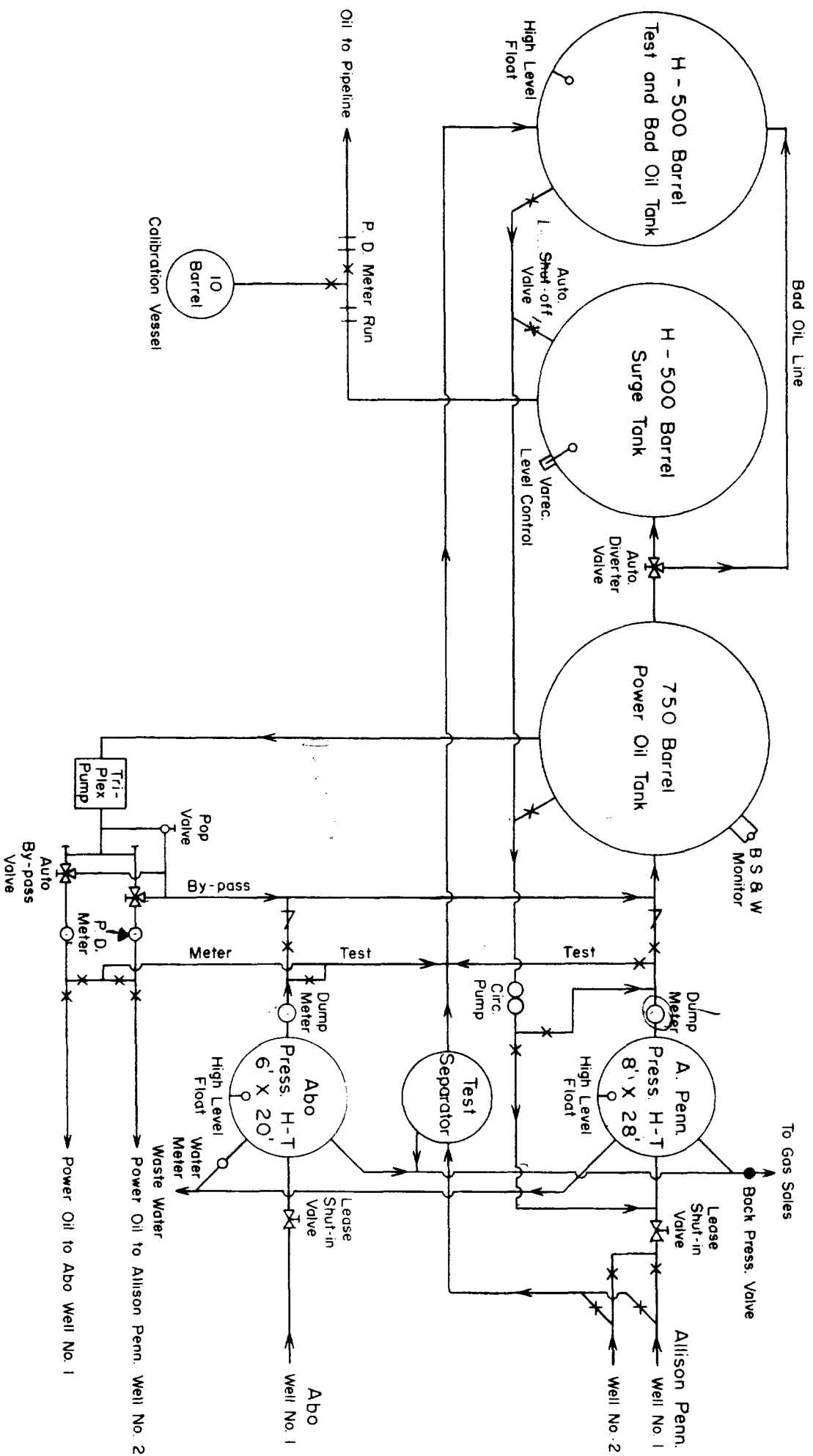
BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Kuf EXAMINER NO. 3
CASE NO. 2091

PROPOSED MECHANICAL INSTALLATION
OIL-OIL DUAL COMPLETION
FEDERAL MILLS NO. 1

ALLISON PENN AND UNDESIGNATED ABO OIL
LEA COUNTY, NEW MEXICO

Gulf Oil Corp.

October 5, 1960



REC'D EXAMINER UTZ

2. PRODUCTION COMMISSION

USE NO. 2091

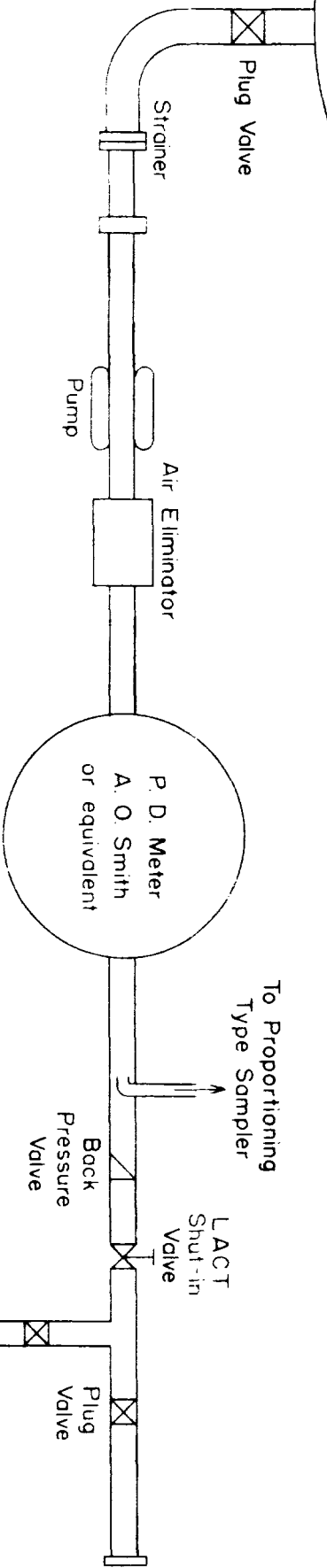
PRODUCTION FLOW DIAGRAM OF FEDERAL MILLS TANK BATTERY AND LACT

Case No. 2091
Exhibit No. 4

Gulf Oil Corporation

October 5, 1960

Surge Tank



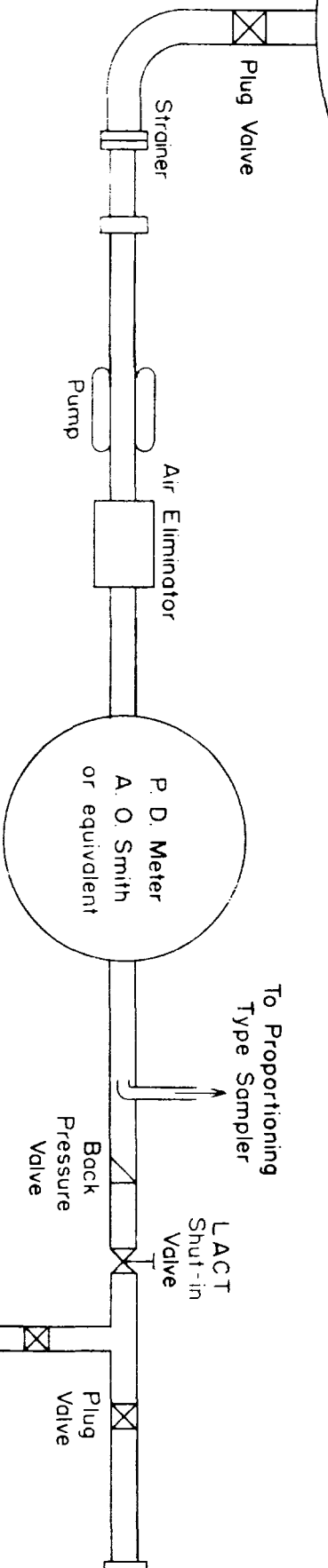
BEFORE EXAMINER UTZ
E. E. CONSERVATION COMMISSION
FILE NO. 2091

10 Barrel
Prover Tank

Case No. 2091
Exhibit No. 1

PROPOSED AUTOMATIC CUSTODY
TRANSFER SYSTEM
Federal Mills Lease
Gulf Oil Corporation
October 5, 1960

Surge Tank



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
FILE NO. 2091
CASE NO. 5

Case No. 2091
Exhibit No. 1

**PROPOSED AUTOMATIC CUSTODY
TRANSFER SYSTEM**

Federal Mills Lease
Gulf Oil Corporation
October 5, 1960



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico



IN REPLY REFER TO:

5472

September 30, 1960

Gulf Oil Corporation
P. O. Drawer 669
Roswell, New Mexico

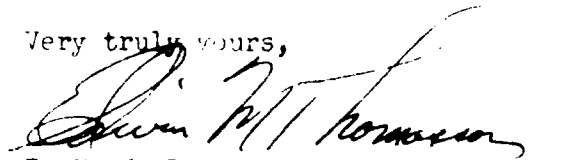
Attention: W. A. Shellshear

Gentlemen:

Your letter of September 29 requests approval of the commingling of Abo and Pennsylvanian production on lease Las Cruces 067771-A, and of the use of automatic custody transfer equipment for shipment of lease products from said lease.

The method you propose for metering and custody transfer of oil produced on lease Las Cruces 067771-A is satisfactory to this office.

Very truly yours,


EDWIN M. THOMASSON

ILLEGIBLE

Case No. 2091

Exhibit No. 6

October 5, 1960