

**OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO**

Certificate of Compliance and Authorization to Transport Oil

Company or Operator Malco Refineries, Inc. Lease State "O"
1114-10th. Street
 Address Lubbock, Texas Artesia, New Mexico
 (Local or Field Office) (Principal Place of Business)
 Unit I Wells No. 1 Sec. 36 T. 12 R. 31 Field Caprock County Chaves
 Kind of Lease State Location of Tanks On Lease
 Transporter Valley Refining Company Address of Transporter Roswell, New Mexico
 (Principal Place of Business) (Local or Field Office)
Artesia, New Mexico Percent of oil to be transported 100 Other transporters author-
 ized to transport oil from this unit are none %

REMARKS:

The undersigned certifies that the above rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the 9th. day of February, 1945

Malco Refineries, Inc.
 (Company or Operator)
 By Bryan L. Denson
 Title Engineer

State of Texas }
 County of Lubbock } ss.

Before me, the undersigned authority, on this day personally appeared Bryan L. Denson known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the 9th. day of February, 1945

Notary Public in and for Lubbock County, Texas

Approved: _____, 1945

OIL CONSERVATION COMMISSION

By _____

(See Instructions on Reverse Side)

INSTRUCTIONS

This form shall be executed and filed in quadruplicate with the Oil Conservation Commission at Santa Fe, New Mexico, covering each unit from which oil is produced. A separate certificate shall be filed for each transporter authorized to transport oil from a unit. After said certificate has been approved by the Oil Conservation Commission, one copy shall be forwarded to the transporter, one copy returned to the producer, and two copies retained by the Oil Conservation Commission.

A new certificate shall be filed to cover each change in operating ownership and each change in the transporter, except that in the case of a temporary change in the transporter involving less than the allowable production for one month the operator shall, in lieu of filing a new certificate, notify the Oil Conservation Commission at Santa Fe, New Mexico, and the transporter authorized by certificate on file with the Commission, by letter of the estimated amount of oil to be moved by the transporter temporarily moving oil from the unit and the name of such temporary transporter and a copy of such notice shall also be furnished such temporary transporter. Such temporary transporter shall not move any more oil than the estimated amount shown in said notice.

This certificate when properly executed and approved by the Oil Conservation Commission shall constitute a permit for pipe line connection and authorization to transport oil from the property named therein and shall remain in full force and effect until

- (a) Operating ownership changes
- (b) The transporter is changed or
- (c) The permit is cancelled by the Commission

If any of the rules and regulations of the Oil Conservation Commission have not been complied with at the time this report is filed, explain fully under the heading "REMARKS."

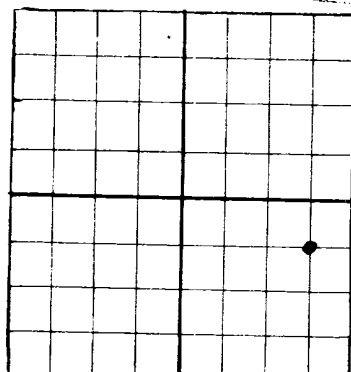
In all cases where this certificate is filed to cover a change in operating ownership or a change in the transporter designated to move oil, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil.

A separate report shall be filed to cover each producing unit as designated by the Oil Conservation Commission.

[illegible]

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Malco Refineries, Inc. 1114-10th. Street Lubbock, Texas
Company or Operator Address
State "C" Well No. 1 in NE/SE of Sec. 36, T. 12-S
R. 31-E N. M. P. M. Caprock Field, Chaves County.
Well is 3300 feet south of the North line and 660 feet west of the East line of Section 36
If State land the oil and gas lease is No. B-9359 Assignment No. 1
If patented land the owner is _____ Address _____
If Government land the permittee is _____ Address _____
The Lessee is **George P. Livermore, Inc.** Address **Lubbock, Texas**
Drilling commenced 1-5 19 45 Drilling was completed 2-1 19 45
Name of drilling contractor **J. R. Cockburn** Address **Hobbs, New Mexico**
Elevation above sea level at top of casing 4390 feet.
The information given is to be kept confidential until **Not Confidential** 19 _____

OIL SANDS OR ZONES

No. 1, from 3010 to T.D. 3010 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.
No. 2, from _____ to _____ feet.
No. 3, from _____ to _____ feet.
No. 4, from _____ to _____ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
8 5/8	24	8	Nat'l	239	None	---	---	---	Surface Production
5 1/2	14	8	Nat'l	2957	Baker	---	---	---	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11	8 5/8	248	125	Pump & plug	---	---
7 7/8	5 1/2	2962	600	Pump & plug	---	---

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment **Natural Well**

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 2977 feet, and from --- feet to --- feet
Cable tools were used from 2977 feet to 3010 feet, and from --- feet to --- feet

PRODUCTION

Put to producing **February 6** 19 **45** 3 Hour Test
The production of the first **74** hours was **133** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, Be. **38**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. M. Mills (Rotary) Driller **W. R. Phillips** (Cable) Driller
Tie Vowell (Rotary) Driller **J. S. Berticiel** (Cable) Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this **9th.**day of **February** 19 **45**
Notary Public

My Commission expires _____

6-1-45

Lubbock, Texas 2-9-45
Place DateName **Bryan L. Denson**Position **Engineer**Representing **Malco Refineries, Inc.**
Company or Operator

Address _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION																
<u>Rotary Elevation 4397</u>																			
0	197	197	Caliche and Sand																
197	252	55	Red Bed																
252	11400	1148	Red Bed																
11400	11430	30	Red Bed and Anhydrite																
11430	2180	650	Anhydrite and Salt																
2180	2290	110	Anhydrite and Red Bed																
2290	2354	64	Anhydrite																
2354	2684	330	Red Rock and Anhydrite																
2684	2780	96	Anhydrite																
2780	2975	195	Anhydrite and Red Rock																
<u>Cable Tool Elevation 4397</u>																			
2975	2984	9	Anhydrite and Red Rock																
2984	2997	13	Anhydrite																
2997	3007	10	Anhydrite and Red Rock																
3007	3010	3	Anhydrite T. D.																
			<u>Geological Markers</u>																
			Anhydrite 1390																
			Top of Salt 1520																
			Base of Salt 2160																
			Yates 2230																
			Artesia Red Sand 3010																
			<u>Deviation Record</u>																
			<table><tr><th>Depth</th><th>Degrees</th></tr><tr><td>227</td><td>1</td></tr><tr><td>500</td><td>1 1/2</td></tr><tr><td>1000</td><td>0</td></tr><tr><td>1500</td><td>0</td></tr><tr><td>2000</td><td>0</td></tr><tr><td>2500</td><td>1</td></tr><tr><td>2950</td><td>1</td></tr></table>	Depth	Degrees	227	1	500	1 1/2	1000	0	1500	0	2000	0	2500	1	2950	1
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