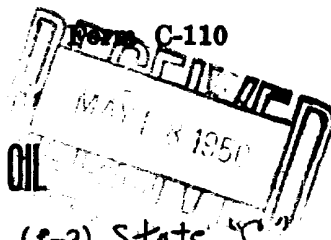


OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL



Company or Operator Vickers Petroleum Co., Inc. Lease Maxwell (f-2) State "C"
Address Box 744, Roswell, New Mexico Box 2240, Wichita, Kansas
(Local or Field Office) (Principal Place of Business)
Unit F Wells No. 2 Sec. 1 T. 13S R. 31E Field Caprock County Chaves
Kind of Lease State Location of Tanks On lease
Transporter Service Pipe Line Company Address of Transporter Box 337, Midland, Texas
(Local or Field Office)
Box 1979, Tulsa, Oklahoma Percent of oil to be transported 100% Other transporters author-
(Principal Place of Business) ized to transport oil from this unit are _____ %
REMARKS:

The undersigned certifies that the 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 10th day of May, 1950

Vickers Petroleum Co., Inc.
(Company or Operator)

By M. C. Lyons
Title Secretary-Treasurer

State of Kansas

County of Sedgwick

ss.

Before me, the undersigned authority, on this day personally appeared M. C. Lyons 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 10th day of May, 1950

Allen S. Deaton

Notary Public in and for Sedgwick County, Kansas (My commission expires Aug. 13, 1953)

Approved: M. C. Lyons 1950

OIL CONSERVATION COMMISSION

By M. C. Lyons

(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 same 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.

Form C-110

MAR 13 1948

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator The Vickers Petroleum Co., Inc. Lease Maxwell State CAddress 201 WKH Building Wichita, Kansas
(Local or Field Office) (Principal Place of Business)Unit F Wells No. 2 Sec. 1 T. 13 R. 31 Field Caprock County ChavesKind of Lease State Location of Tanks On LeaseTransporter Stanolind Pipe Line Co. Address of Transporter Midland, Texas
(Local or Field Office)Percent of oil to be transported 100 Other transporters authorized to transport oil from this unit are _____ %
(Principal Place of Business)

REMARKS:

Former owner - The Maseo Refineries, Inc., Roswell, New Mexico

The undersigned certifies that the 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 5th day of March, 194 8The Vickers Petroleum Co., Inc.
(Company or Operator)By Arnold S. Bunte
Title Exploration ManagerState of New Mexico
County of Eddy } ss.

Before me, the undersigned authority, on this day personally appeared Arnold S. Bunte 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 5th day of March, 194 8Notary Public in and for Eddy County, New Mexico
Approved: 3-16 194 8My Commission Expires - Notary Public

OIL CONSERVATION COMMISSION

By R. R. Goussier

MY COMMISSION EXPIRES SEPT. 2, 1951

(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 same 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.

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO



CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL

Company or Operator MALCO REFINERIES, INC. Lease MAXWELL STATE (F-2)
Address Roswell, New Mexico Same
(Local or Field Office) (Principal Place of Business)
Unit F Wells No. F-2 Sec. 1 T13S R.31E Field Caprock County Chaves
Kind of Lease State Location of Tanks Center of Lease
Transporter Standline Pipe Line Co. Address of Transporter Stanolind Bldg.
(Principal Place of Business) (Local or Field Office)
Tulsa, Okla. Percent of oil to be transported 100. Other transporters author-
ized to transport oil from this unit are None 0 %
REMARKS:

This authorization to become effective September 1, 1947

The undersigned certifies that the 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 15 day of August, 1947.

MALCO REFINERIES, INC.
(Company or Operator)
By Donald B. Anderson
Title Production Manager

State of New Mexico } ss.
County of Chaves }

Before me, the undersigned authority, on this day personally appeared Donald B. Anderson 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 15 day of August, 1947.

Notary Public in and for Chaves County, New Mexico

Approved: AUG 18 1947 1947

OIL CONSERVATION COMMISSION

By R. R. Gussier

MY COMMISSION EXPIRES APRIL 22, 1950

(See Instruction 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 same 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.

**OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO**

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL

Company or Operator Malco Refineries, Inc. Lease Maxwell - State
 Address _____
(Local or Field Office) Box 660, Roswell, New Mexico (Principal Place of Business)
 Unit F Wells No. F-2 Sec 1 T 13-S R 31-E Field Caprock County Chaves
 Kind of Lease State Location of Tanks Center of Lease
 Transporter Malco Refineries, Inc. Address of Transporter _____
(Local or Field Office)
Box 660, Roswell, N Mex. Percent of oil to be transported 100. Other transporters author-
(Principal Place of Business) ized to transport oil from this unit are None 0 %
 REMARKS:

The undersigned certifies that the 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 14 day of April, 1947.

Malco Refineries, Inc.

(Company or Operator)

By Donald B. Anderson

Title Production Manager

State of New Mexico

County of Chaves

ss.

Before me, the undersigned authority, on this day personally appeared Donald B. Anderson 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 14 day of April, 1947.

William B. McComb Jr.

Notary Public in and for Chaves County, New Mexico

Approved: MAY 12 1947 1947

OIL CONSERVATION COMMISSION

By

R. R. Spurrer

R. R. SPURRIER

(See Instruction 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

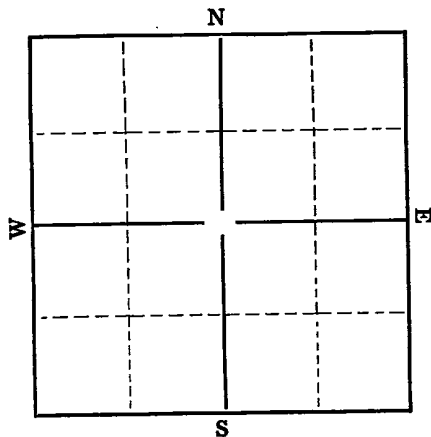
- (a) Operating ownership changes
- (b) The transporter is changed or
- (c) The permit is cancelled by the Commission

If any of the rules and regulations of the Oil Conservation Commission have not been complied with at the same 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.

Caperock



AMOUNT
CASING & CEMENTING RECORD

[illegible]

TUBING RECORD

2" @ 3050'

PACKER

Company	Malco Ref. Inc. (OWD)			
Farm Name	Marwell State F.		Well No. 2	
Sec. 1	Twp. 13	Range 31	County Charles	
Feet from Line: 1980 N. S. E. 1980 W.				
Elevation	4402		Method P	
Contractor				
Spudded			Completed 4-13-47	

ACID RECORD Gals.	TA	TG
	TX	TSA
	TCA	TGI
	BX	TYo
	TY	TABo
	TSR	TPenn
Top Pay 30225	TQ	TOrd

SHOOTING RECORD

No. of	Quarts	100	From	3015	To	3050
No. of	Quarts		From		To	
S/		S/		S/		
S/		S/		S/		
S/		S/		S/		

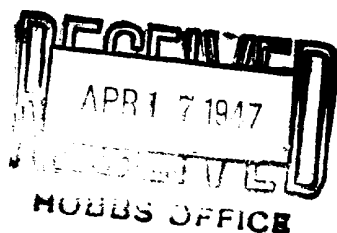
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DUPLICATE

FORM C-105

N

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

Revised Copy Supersedes Well Record
Dated 4-10-46

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 TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

~~Malco Refineries, Inc.~~ Box 660, Roswell, New Mexico
Company or Operator Address
~~Maxwell State "F"~~ Well No. 2 in SE of N/4 of Sec. 1, T. 13S
Lease
R. 31E, N. M. P. M., Caprock Field, Chaves County.
Well is 1980 feet south of the North line and 3300 feet west of the East line of Sec. 1
If State land the oil and gas lease is No. B-10416 Assignment No.
If patented land the owner is Address
If Government land the permittee is Address
The Lessee is J. C. Maxwell, Inc. Address Ft. Worth, Texas
Drilling commenced 2-17-46 19 Drilling was completed 4-7-47 19
Name of drilling contractor Geo. P. Livermore Address Lubbock, Texas
Elevation above sea level at top of casing 4402 feet.
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3025 to 3029 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	25	8 Round		300'	TP				Protect Sur. Vaters
5 1/2	15	8 Round		2999	TP				Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8 5/8	300	150	Halliburton	10#	
7 7/8	5 1/2	2999	600	Halliburton	10#	

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
4"	camp	Solidified Nitro	100qts	3-28-47	3029-3050	3050

Results of shooting or chemical treatment

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

None
Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing April 8, 1947
The production of the first 24 hours was 12 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and .3% sediment. Gravity, Be. 36.8
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

Cass Dye, Driller B. R. Allen
Roy J. Moore, Driller J. T. Reeves

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 14 day of April, 1947
William B. McComb Jr.
Notary Public
My Commission expires April 22, 1950

Roswell, New Mexico 4-18-47
Name Donald B. Anderson
Position Production Manager
Representing Malco Refineries, Inc.
Company or Operator
Address P. O. Box 660, Roswell, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	158		Sand and Red Rock
156	178		Sand
178	405		Red Shale
405	895		Red Beds and Shells
859	1155		Red Beds with Gyp Stringers
1155	1548		Red Beds and Shells
1548	1551		Anhydrite
1551	2145		Salt and Anhydrite 1551 Top Salt
2145	3005		Anhydrite and Red Shale SIM 2992 equals 2993 Measurement from Rotary Floor 0 to 3005 Drillers log.
3005	3007		Anhydrite and Red Shale - Adjusted Measurement to Spudder floor 2999 equals 2993
3007	3015		10% Red Sand, 80% Red Shale, 10% Anhydrite
3015	3025		40% Gray Sand with some Pet. Residue. 10% Red Sand FQ Numerous, Anhydritic, Sub-round to round, 10% Red Shale (Cave ?) 40% Anhydrite with Calcite Crystals. 3023 to 3025 some free oil in hole. 3023 top Queen Formation.
3025	3029		90% Gray to red Sand- Well rounded grains loosely cemented.
3029	3036		100% Red Shale with trace of Anhydrite and Red Sand.
3036	3039		80% Coarse Red Shale (Partially Cave ?) 20% White to red Anhydrite. Hole caving and drilling slow.
3039	3040		90% White to red Anhydrite. 10% Coarse Red Shale. Hole Caving.
3040	3050		90% Red Shale. 10% White to gray Anhydrite. 3050 TD.
			cc - J. C. Maxwell, Inc. Ft. Worth, Texas

DUPLICATE

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
APR 17 1947

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	X	REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

April 12, 1947

Date

Roswell, New Mexico

Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Malco Refineries, Inc.Maxwell StateWell No. F-2

in the

Company or Operator

Lease

SE of NWof Sec. 1T. 13-SR. 31-E

N. M. P. M.,

CaprockField, Chaves

County.

The dates of this work were as follows:

3-28-47

Notice of intention to do the work was (was not) submitted on Form C-102 on

19

and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

This previously abandoned well was cleaned out to its total depth of 3050' and shot with 100 quarts of solidified nitro-glycerine. The shot was dumped in the hole from 3020 to total depth and covered with a cal-seal cap. After shooting and cleaning out the well was completed, pumping 15 BOPD.

Witnessed by Loree Evans Name Malco Refineries, Inc. Company Field Supt. Title

Subscribed and sworn before me this

I hereby swear or affirm that the information given above is true and correct.

14th day of April, 1947

Name

Donald B. Anderson

Position

Production ManagerRepresenting Malco Refineries, Inc.
Company or Operator

My commission expires

April 22, 1950Address P.O. Box 660, Roswell, New Mexico

Remarks:

APPROVED

APR 17 1947

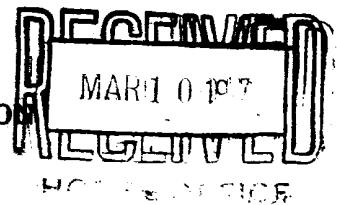
Date

Ray-yambrough
Name
Oil & Gas Inspector
Title

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	X
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Roswell, New Mexico

Place

March 3, 1947

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the _____

Malco Refineries, Inc.

Company or Operator

Marwell State

Lease

Well No. F-2 in SE of NWof Sec. 1, T. 13-S, R. 31-E, N. M. P. M., Caprock Field.Chaves

County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

We propose to un-plug and attempt to shoot this dry-hole in an effort to make a commercial producer. Experience in shooting wells in the field has been so encouraging that it appears possible this well may be completed as a commercial well. After cleaning the hole to bottom, a 100 quart shoot of solidified nitro-glycerine will be dumped into the oil sand section (3025'-3035') and covered with an 8 sack cal-seal cap above the shot.

Approved MAR 10 1947, 19____
except as follows:

Malco Refineries, Inc.

Company or Operator

By Donald B. AndersonDonald B. AndersonPosition Production Manager

Send communications regarding well to

Name Malco Refineries, Inc.Address P. O. Box 660Roswell, New Mexico

OIL CONSERVATION COMMISSION,

By Roy YarbroughTitle Oil & Gas Inspector

SCOUT REPORT
NEW MEXICO
OIL CONSERVATION COMMISSION

A blank 8x8 grid with the letter 'N' centered above the top edge and the letter 'M' centered to the left of the left edge.

AMOUNT

CASING & CEMENTING RECORD

[illegible]

TUBING RECORD

PAC'ER

Company Malco Refineries, Inc.

Farm Name Maxwell State Well No. 2

Sec. 1 Twp. 13 Range 31 County Chaves

Feet from Line: 1950 N. S. E. 1980 W.

Elevation	Method
1000	1000

Contractor _____

Spudded	Completed
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
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98	98
99	99
100	100

ACID RECORD	TA	TG
	TX	TSA
	TCA	TGI
	BX	TYo
	TY	TAbo
	TSR	TPenn
Top Pay	TQ	TOrd

SHOOTING RECORD

No. of Quarts	From	To
---------------	------	----

No. of Quarts	From	To
---------------	------	----

$S/\quad S/\quad S/$

S/ S/ S/

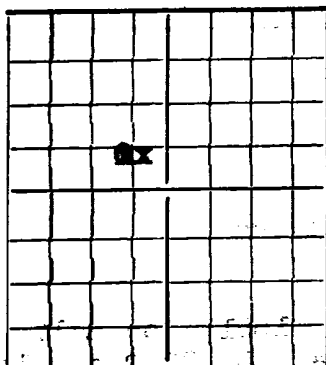
S/ S/ S/

Date		Date	
226	5 2272 A		
	5 2273 A		
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229	5 2276 A		
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232	5 2279 A		
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	5 2299 A		
	5 2300 A		
	5 2301 A		
	5 2302 A		
	5 2303 A		
	5 2304 A		
	5 2305 A		
	5 2306 A		
	5 2307 A		
	5 2308 A		
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N.

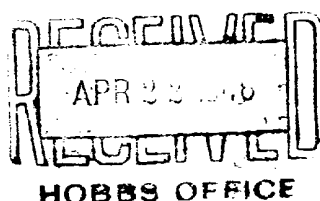
NEW MEXICO OIL CONSERVATION COMMISSION

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 TRIPlicate. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.**

Malco Refineries Inc. Box 600 Roswell, New Mexico
 Maxwell State Co. Well No. 2 in NW 1 of Sec. 1, T. 13S
 R. 31E, N. M. P. M. On prock Field, Chaves County.
 Well is 1980 feet south of the North line and 1980 feet East the East line of Sec. # 1
 If State land the oil and gas lease is No. D-10416 Assignment No. _____
 If patented land the owner is _____, Address _____
 If Government land the permittee is _____, Address _____
 The Lessee is _____, Address _____
 Drilling commenced 2-17-46 19 Drilling was completed 3-16-46 19
 Name of drilling contractor Geo. P. Livermore, Address Lubbock, Texas
 Elevation above sea level at top of casing 4402 feet.
 The information given is to be kept confidential until No 19

OIL SANDS OR ZONES

No. 1, from 3025 to 3029 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 FROM TO	PURPOSE
8 5/8	25	8 Round		300'	TP			Protect Sur. Waters
5 1/2	15	8 "		2999	TP			Oil String

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	300	150	Halliburton	10#	
7 7/8	5 1/2	2999	600	"	10#	

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
		None— Dry Hole				

Results of shooting or chemical treatment _____

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 _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing _____, 19 ____.
 The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Roy J. Moore, Driller J.F. Reeves, Driller
 B.R. Allen, 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 19th
 day of April, 1946
 Elsie G. Gorman
 Notary Public.
 My Commission expires June 29-1947

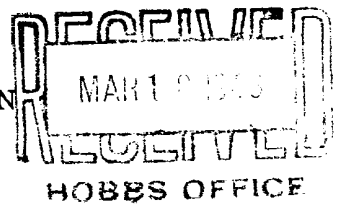
Artesia New Mexico 4210-46
 Name C.T. Young
 Position Geologist
 Representing Malco Refineries Inc.
 Address Roswell New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	156		Sand and Red Rock
156	178		Sand
178	405		Red Shale
405	895		Red Beds and Shells
895	1155		Red Beds with Gyp Stringers
1155	1548		Red Beds and Shells
1548	1551		Anhydrite
1551	2145		Salt and Anhydrite 1551 Top Salt
2145	3005		Anhydrite and Red Shale SLM 2992 equals 2993 Measurement from Rotary Floor 0 to 3005 Drillers log.
3005	3007		Anhydrite and Red Shale- Adjusted Measurement to Spudder floor 2999 equals 2993
3007	3015		10% Red Sand, 80% Red Shale, 10% Anhydrite
3015	3025		40% Gray Sand with some Pet. Residue, 10% Red Sand FOG Numerous, Anhydritic, Sub-round to round, 10% Red Shale (Cave ?) 40% Anhydrite with Calcite Crystals. 3023 to 3025 some free oil in hole. 3023 top Queen Formation.
3025	3029	fill-u	90% Gray to red Sand- well rounded grains- some saturation- loosely cemented- appears that poro. & perm. destroyed by shale- no fill up. 10% Anhydrite. Put in 27 barrels of oil for a lead and swab down immediately. Recover 23 Bbls. of oil- No water. Shut down for 16 hr. test. Very little free oil in hole.
3029	3036		100% Red Shale with trace of Anhydrite and Red Sand. Free Oil from 3023 to 3029 exhausted.
3036	3039		80% coarse Red Shale (Partially Cave ?) 20% White to red Anhydrite. Hole caving and drilling slow.
3039	3040		90% White to red Anhydrite. 10% Coarse Red Shale. Hole caving.
3040	3050		90% Red Shale. 10% White to gray Anhydrite
			3050 TD. Hole Plugged & Aban.
			 Triplicate to New Mexico Conservation Comm. cc - Roswell Office cc - J.C. Maxwell, Inc. Ft. Worth, Texas cc - File

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



AMENDED

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Roswell, New Mexico

Place

March 15, 1946

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Malco Refineries Inc. Maxwell-State Well No. F-2 in SE 1/4 NW 1/4
Company or Operator Lease

of Sec. 1, T. 13, R. 31, N. M. P. M., Caprock Field.
Chaves County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

8-5/8" O. D. casing to be run at approximately 300 feet and filled with 150 sacks cement. We propose to test casing by holding pump pressure at 500# on casing for 30 minutes.

"This amended report filed for following reason: The report as originally filed, indicated well number to be G-1 and the correct well number should be F-2, as indicated in this amended report."

Approved _____, 19____
except as follows:

OIL CONSERVATION COMMISSION
By Ray Garbaccio
Title _____

Malco Refineries Inc.
Company or Operator
By Lawell Naylor
Position Production Manager
Send communications regarding well to
Name Malco Refineries Inc.
Address P. O. Box 660 Roswell, New Mex.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO PLUG WELL	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO DEEPEN WELL			

Roswell N.Mex.

Place

March 14 1946

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Malco Refg's. Inc. Maxwell-state #2 Well No. 2 in SE 1 NW 1
Company or Operator Lease
of Sec. 1, T. 13S, R. 8 NE, N. M. P. M., C sprock Field,
C Hayes C Co. County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

As discussed with Mr. Miller of your Artesia office, we plan to plug and abandon the above well, in the manner outlined by him, as follows:

We will place a cement plug from the bottom of the hole to the bottom of the casing at 2999 and allow the cement to come up into the pipe at least 10 feet. We will then fill the 5 1/2" casing with mud, up to the point where it will be knocked off and at this point we will set another cement plug consisting of at least 10 sacks of cement. From this point the well will be filled with heavy mud to the top of the 8 5/8" csg. which will be left in the hole. A regulation marker 4" in Dia. and 4' high will be set in cement.

Approved MAR 20 1946, 19____
except as follows:

OIL CONSERVATION COMMISSION,
By Ray - yachraugh
Title Wild Cat Inspector

Malco Refineries Inc.
Company or Operator
By Lowell Taylor (GTH)
Position Production Mgr.
Send communications regarding well to

Name A. Love
Address P.O. Box 660
Roswell New Mexico

3 copies - Oil Conservation Commission - Santa Fe, N.M.
Form C-102 copy - State Land Office
1 copy - File

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Artesia, New Mexico

Place

February 27, 1946

Date

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Malco Refineries, Inc. Maxwell-State Well No. F#2 in the
Company or Operator Lease

SE 1/4 of Sec. 1, T. 13, R. 51, N. M. P. M.,
Caprock Field, Chaves County.

The dates of this work were as follows: February 26, 1946

Notice of intention to do the work was ~~XXXXXX~~ submitted on Form C-102 on February 20, 1946
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

5-1/2" pipe was run to a depth of 2,999 feet and cemented with 600 sacks.
The plug stopped at 2958 feet at 8:30 a.m., February 26th.
Plug will be drilled with cable tools.

Witnessed by John Lawrence Name George Livermore, Inc. Company Superintendent Title

Subscribed and sworn before me this 27th

I hereby swear or affirm that the information given above is true and correct.

day of Feb., 1946

Name Dora B. Shuler

Elsie G. Gorman

Notary Public

Position Production Manager

Representing Malco Refineries, Inc.
Company or Operator

My commission expires June 29 - 1947

Address Roswell, New Mexico

Remarks:

APPROVED

Date FEB 28 1946

Ray G. Gresham
Name
City & Gas Inspector
Title

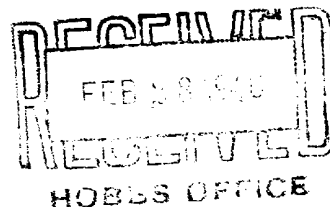
3 copies - Oil Conservation Commission-Hobbs, N.M.
Form D-Copy - State Land Office

1 copy - File OIL CONSERVATION COMMISSION

DUPLICATE

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS



Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Artesia, New Mexico
Place

February 18, 1946
Date

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the
Malco Refineries, Inc. Maxwell-State Well No. F#2 in the
Company or Operator Lease
SE 1/4 NW 1/4 of Sec. 1, T. 13, R. 31, N. M. P. M.,
Caprock Field, Chaves County.

The dates of this work were as follows: February 18, 1946

Notice of intention to do the work was ~~(XXXXX)~~ submitted on Form C-102 on February 14, 19 46
and approval of the proposed plan was ~~(XXXXX)~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

8-5/8" O.D. casing was run to 295 feet and cemented with 150 sacks. The plug stopping at 255 feet down. Plug placed at 8:15 a.m. on the 18th of February. Plug was drilled at 5:45 a.m., February 19th. Casing test satisfactory.

Witnessed by John Lawrence George Livermore, Inc. Superintendent
Name Company Title

Subscribed and sworn before me this 27th

day of Feb., 19 46

Elsie G. Gorman
Notary Public

I hereby swear or affirm that the information given above is true and correct.

Name Wiley P. Miller

Position Production Manager

Representing Malco Refineries, Inc.
Company or Operator

My commission expires June 29-1947

Address Roswell, New Mexico

Remarks:

APPROVED

Date Feb 27 1946

Wiley P. Miller
Name
Title

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AMENDED

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Roswell New Mexico

March 15 1946

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

Malco Refineries Inc.Maxwell-State Well No. F-2in SE¹ NW¹

Company or Operator

Lease

of Sec. 1, T. 13, R. 31, N. M. P. M., Caprock Field, Chaves County.

N

The well is 1980 feet (N.) (S.) of the North line and 1980 feet
(E.) (W.) of the West line of Section 1-13-31

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. B-10416 Assignment No. _____

If patented land the owner is _____

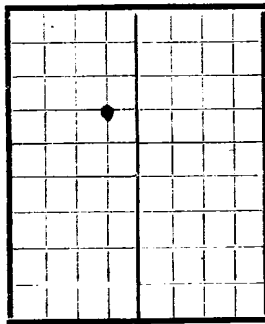
Address _____

If government land the permittee is _____

Address _____

The lessee is J. C. Maxwell, Inc. and Charles H. Osmond

Address Fort Worth, Texas



AREA 640 ACRES

LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows: Rotary to set oil string on top of producing sand- cable tools to drill in

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: blanket bond filed with NMO&CC

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
11"	8-5/8"	25	New	300'	cemented	150
7-7/8"	5-1/2"	15	second hand	3000'	"	600

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3,020 feet.

Additional information:

Approved MAR 16 1946, 19____

except as follows:

OIL CONSERVATION COMMISSION,

By Roy Garbrough

Title _____

Sincerely yours,

MALCO REFINERIES INC.

Company or Operator

By Lowell TaylorPosition Production Manager

Send communications regarding well to

Name MALCO REFINERIES INC.Address P. O. Box 660 Roswell New Mexico

3 copies - Oil Conservation Comm.

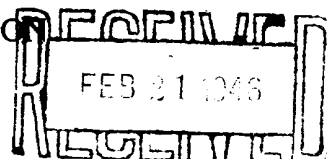
1 copy - State Land Office

1 copy - file

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL



DUPLICATE

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Artesia, New Mexico February 14, 1946

PLACE

DATE

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

Malco Refineries, Inc.

Maxwell-State Well No. C-1 in **SE 1/4**

COMPANY OR OPERATOR

LEASE

of Sec. **1**, T. **13**, R. **31**, N. M. P. M., **Caprock** Field, **Chaves** County.

The well is **1980** feet **(XX)** (S.) of the **North** line and **1980** feet (E.) **(XX)** of the **West** line of **Section 1-13-31**

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. **B-10416** Assignment No.

If patented land the owner is

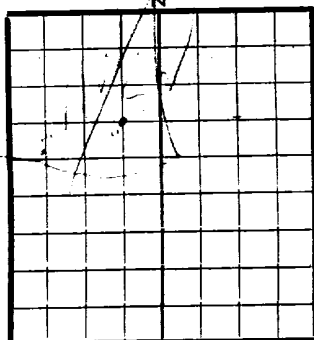
Address

If government land the permittee is

Address

The lessee is **J. C. Maxwell, Inc., and Charles H. Osmond**

Address **Fort Worth, Texas**



AREA 640 ACRES
LOCATE WELL CORRECTLY

oil string on top of producing sand - cable tools to drill in

We propose to drill well with drilling equipment as follows: **Rotary to set**

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: **Blanket Bond filed with NMOCC**

We propose to use the following strings of casing and to land or cement them as indicated:

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	NEW OR SECOND HAND	DEPTH	LANDED OR CEMENTED	SACKS CEMENT
11"	8-5/8"	25	New	300'	Cemented	150
7-7/8"	5-1/2"	15	Second-hand	3000'	"	600

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about **3,020** feet.

Additional information:

Approved....., 19.....
Except as follows:

Sincerely yours,

Malco Refineries, Inc.

COMPANY OR OPERATOR

By

Position **Production Manager**

Send communications regarding well to

Name **Malco Refineries, Inc.**

Address **P. O. Box 126, Artesia, New Mexico**

OIL CONSERVATION COMMISSION,

By

Title

