(Form C-110)
(Revised 7/1/52)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved an an *initial* allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Gulf Oil Corporation Lease Harry Leonard "F"*

Address Box 2167, Hobbs, N. M. (Local or Field Office) Fort Worth, Texas (Principal Place of Business)

Unit W, Well(s) No. 10, Sec. 2, T. 21-S, R. 37-E, Pool Brunson

County Lea Kind of Lease: State

If Oil well Location of Tanks on lease

Authorized Transporter Shell Pipeline Co. Address of Transporter

Hobbs, N. M. (Local or Field Office), Houston, Texas (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported 100 Other Transporters authorized to transport Oil or Natural Gas from this unit are

%

REASON FOR FILING: (Please check proper box)

NEW WELL ☐ CHANGE IN OWNERSHIP ☐

CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☒

REMARKS:

*Formerly designated Harry Leonard "A"

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 7th day of October 19 54

Gulf Oil Corporation

Approved ..., 19...

OIL CONSERVATION COMMISSION

By ...

Title ...

By ...

Title Area Supt. of Prod.

(See Instructions on Reverse Side)

(Form C-110)
(Revised 7/1/52)

INSTRUCTIONS

This form shall be executed and filed in QUADRUPLICATE with the District Office of the Oil Conservation Commission, covering each unit from which oil or gas is produced. A separate certificate shall be filed for each transporter authorized to transport oil or gas 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 proration period, the operator shall in lieu of filing a new certificate notify the Oil Conservation Commission District Office, and the transporter authorized by certificate on file with the Commission, by letter of the estimated amount of oil or gas to be moved by the transporter temporarily moving oil or gas 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 or gas than the estimated amount shown in said notice.

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

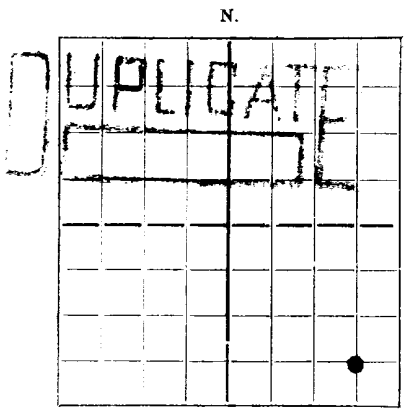
(a) Operating ownership changes
(a) The transporter is changed or
(c) The permit is cancelled by the Commission.

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 or gas, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil or gas.

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

FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY Unit W

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

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.

Gulf Oil Corporation (Company or Operator) Harry Leonard "A" (Lease)

Well No. 10 in SE SE of Sec. 2, T. 21S

R. 37E, N. M. P. M., Undesignated Field, Lea County.

Well is 660 feet North of the South line and 660 feet west of the East line of Sec. 2-21S-37E

If State land the oil and gas lease is No. 2717 Assignement No.

If patented land the owner is , Address

If Government land the permittee is , Address

The Lessee is Gulf Oil Corp.-Fort Worth Prod. Division, Address Box 1290, Fort Worth, Tex.

Drilling commenced 2-6-52 19 . Drilling was completed 3-26-52 19

Name of drilling contractor Fran Drilling Company, Address

Elevation above sea level at top of casing 3483 feet.

The information given is to be kept confidential until 19 .

OIL SANDS OR ZONES

No. 1, from 7995' to 8165' 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	PERFORATED TO	PURPOSE
13-3/8"	54.5#	8 R.T.	SS	269'					
8-5/8"	32#	8 R.T.	SS	3071'					
5"	18#	8 R.T.	SS	8154'					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2"	13-3/8"	285'	350	HOWCO		
11"	8-3/4"	3084'	1075	HOWCO		
7-7/8"	5"	8167'	975	HOWCO		

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
Washed Perforations from 8140'-8000' with 500 Gal. 15% NE Acid						

Results of shooting or chemical treatment Flowed 410 barrels 43.3 gravity oil, no water thru 2-3/8" tubing in 6 hours.

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 PBTD 8160'

Rotary tools were used from 0' feet to 8168' TD feet, and from feet to feet.

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

PRODUCTION

Put to producing March 26, 1952

The production of the first 24 hours was 1640 (Est) barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, ~~Be~~ API 43.3

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Fran Drilling Company, Driller , Driller

J. F. Combs - Gulf Oil Corporation's Drilling Foreman, Driller , 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.

Hobbs, New Mexico (Place) April 11, 1952 (Date)

Name C O Borland

Position Asst Area Prod. Supt.

Representing Gulf Oil Corporation (Company or Operator.)

Address Box 2167, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	12.90'		Distance from Top Kelly Drive Bushing to Top Groun
	90'		Caliche and Red Bed
	968		Red Bed
	1400		Red Bed and Red Rock
	1515		Anhydrite and Gyp
	1613		Salt and Anhydrite
	1737		Anhydrite
	2608		Salt and Anhydrite
	2928		Anhydrite
	2935		Sand
	2949		Anhydrite
	2960		Sand
	3101		Anhydrite
	3616		Anhydrite and Lime
	7391		Lime
	7428		Lime and Shale
	7447		Lime
	7496		Lime and Shale
	7585		Lime
	7723		Lime and Shale
	7743		Lime and Sand
	7776		Lime and Shale
	7796		Lime and Sand
	7811		Shale
	7882		Shale and Sand
	7923		Shale
	7929		Sand
	7943		Sand and Shale
	8061		Lime and Shale
	8165		Lime
	8168 TD		Lime and Granite

Deviation - Totco Surveys

Depth	Degree Off	Depth	Degree Off
250'	1/2	4180	3/4
590	3/4	4450	1-1/4
920	1/4	4610	1/2
1320	1/2	4890	1-1/4
1650	1/4	5010	1-1/4
2010	1	5475	3/4
2330	3/4	5895	1/2
2675	1-1/2	6040	1/4
3295	3/4	6295	3/4
3610	1/2	6535	1/2
3815	3/4	6725	3/4
3907	3/4	7003	1/2
4058	1		

DRILL STEM TESTS

No. 1 - 2-24-52 - 1 Hour 15 Minute Johnston Drill Stem Test 5760-5840' with 5/8" choke at 5726' - Used 2 packers at 5753' and 5760' - Bombs at 5836' and 5838' - Tool opened 2:06 PM 2-24-52 - Recovered 454' drilling fluid, 4' clean oil - Hydrostatic Pressure 2640# - Flowing Pressure 100# - 15 Minute BHP 560#.

No. 2 - 2-25-52 - 1 Hour 15 Minute Johnston Drill Stem Test 5840-5920' with 5/8" choke at 5806' - Used 2 packers at 5835' and 5840' - Bombs at 5916' and 5918' - Tool opened 1:48 PM 2-25-52 - No gas or oil to surfaced - Fair blow of air - Recovered 450' of drilling fluid, small stain of oil on top - Hydrostatic Pressure 2625# - Flowing Pressur 100# - 15 Minute BHP 0#.

No. 3 - 3-2-52 - 1 Hour Johnston Drill Stem Test 6720-6846' with 5/8" choke at 6701' - Used 2 packers at 6713' and 6720' - Bombs at 6842' and 6844' - Tool opened 8:40 AM 3-2-5 Recovered 700' gas cut mud - Gas to surface 50 minutes, too small to measure - Hydrostat Pressure 3175' - Flowing Pressure 975# - 15 minute BHP 2525#.

No. 4 - 3-6-52 - 1 Hour Johnston Drill Stem Test 7050-7175' with 5/8" choke at 7030' - Used 2 packers at 7043' and 7050' - Bombs at 7171' and 7173' - Tool opened 5:45 AM 3-6-52 - Gas to surface in 12 minutes - Gas volume 27,200 cu ft. - Recovered 400' fluid, 225 gas cut mud, 175' oil and gas cut mud, cut 10% oil - Hydrostatic Pressure 3500# - Flowin Pressure 150# - 15 minute BHP 1275#.

No. 5 - 3-13-52 - Johnston Drill Stem Test - Misrun.

No. 6 - 3-13-52 - 1 Hour 25 Minute Johnston Drill Stem Test 7612'-7743' with 5/8" choke at 7588' - Used 2 packers at 7606' - Bombs at 7740' and 7742' - Tool opened 1:00 PM 3-13-52 - Gas to surface 3 minutes - Gas volume 1,702,900 cu ft. - Mud to surface 17 minut and oil in 25 minutes - Flowed 92 bbls clean oil - 48.0 gravity 1 hour. Reversed out 28 bbls clean oil - Hydrostatic Pressure 3825# - Flowing Pressure 2725# - 15 Minute BHP 2725#.

No. 7 - 3-16-52 - 1 Hour Johnston Drill Stem Test 7920-7943' with 5/8" choke at 7895' - Used 2 packers at 7912' and 7920' - Bombs at 7939' and 7941' - Tool opened at 9:00 AM 3-16-52 - Gas to surface 3 minutes - Gas Volume 66,600 cu. ft. - Reversed oil in tanks 17 bbls 42.0 gravity clean oil, 2 bbls drilling mud and no water - Hydrostatic Pressure 4100# - Flowing Pressure 475# - 15 BHP 2825#.

No. 8 - 3-19-52 - 1 Hour Johnston Drill Stem Test 8144-8179' with 5/8" choke at 8123' - Gas to surface 30 minutes, too small to measure - Weak blow throughout test - Reversed (Line No. 2) Used 2 packers at 8137' and 8144' - Bombs at 8175' and 8177' - Tool opened at 1045 PM 3-19-52 -
cut 4 bbls oil and gas cut mud, cut 5% oil, no water - Hydrostatic pressure 4375# - Flowing Pressure 25# - 15 minute BHP 2800#.