

**OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO**

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL

Company or Operator First-Chicago Corporation Lease Crutchfield
 c/o Livermore Development Corporation First National Bank of Chicago
 Address 816 Lubbock National Bldg. Lubbock, Texas Chicago 90, Illinois
 (Local or Field Office) (Principal Place of Business)
 Unit H Wells No. 1 Sec. 32 T 19S R 37E Field Monument County Lea
 Kind of Lease Patented Land Location of Tanks Crutchfield Lease
 Transporter Shell Pipe Line Corporation Address of Transporter Hobbs, New Mexico
Houston, Texas (Local or Field Office)
 (Principal Place of Business) 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 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 September, 194 4.

First-Chicago Corporation
 (Company or Operator)

By Bryan L. Denson

Title Patroleum Engineer

State of Texas

County of Lubbock

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 5th day of September, 194 4.

Notary Public in and for Lubbock County,

Texas

Approved: 11-16- 194 4

OIL CONSERVATION COMMISSION

By Carl B. Swinney

(See Instruction on Reverse Side)

E.H.H.

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Herschbach Drilling Company

Dallas, Texas

Company or Operator
Crutchfield Well No. **1** in **SW of NE/4** of Sec. **32**, T. **19 S**
Lease
37-E N. M. P. M., **Monument** Field, **Lea** County.
R. **2310** feet south of the North line and **990** feet west of the East line of **Sec. 32**
If State land the oil and gas lease is No. **--** Assignment No. **--**
If patented land the owner is **O. I. Boyd** Address **Elmice, New Mexico**
If Government land the permittee is _____ Address _____
The Lessee is _____ Address _____
Drilling commenced **7-16-37** 19____ Drilling was completed **8-6-37** 19____
Name of drilling contractor **Herschbach Drilling Company** Address **Dallas, Texas**
Elevation above sea level at top of casing **3579** feet.
The information given is to be kept confidential until _____ 19____

OIL SANDS OR ZONES

No. 1, from **3840** to **3909** 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
10 3/4"	40.50#		L#	288	Halliburton				
7 5/8"	26.40#		Sals	1313	"				
5 1/2"	17		"	3763	"				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13 3/4	10 3/4	288	250	Halliburton	12#	
9 5/8	7 5/8	1313	425	"	12#	
6 3/4	6 3/4	3763	425	"	12#	

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
2000	gallons acid			8-2-37	3870-3909	
4000	" "			8-4-37	3840-3909	

Results of shooting or chemical treatment **Increased production from 56 barrels of oil per day to 250 barrels of oil per day.**

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 **3909** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **9-16-37**, 19____
The production of the first 24 hours was **250** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, Be _____
If gas well, cu. ft. per 24 hours **Est. 600 M.C.F.** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **1225**

EMPLOYEES

L. J. Upton, Driller **P. O. Davis**, Driller
C.O. McNeil, 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.

Subscribed and sworn to before me this **22nd**
day of **September 22**, 19**37**
J.P. McConnick
Notary Public.
My Commission expires **4-26-41**

Hobbs Nm **9-22-37**
Place Date
Name **Albert Barker**
Position **Drly Supt**
Representing **Herschbach Drly Co**
Company or Operator
Address **Dallas Texas**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
	1100	100	Red Rock
	1140	40	Red Rock & Shells
	1250	110	Red Rock
1250	1326	76	Anhydrite
1326	1368	42	Anhydrite & Gyp
1368	1448	80	Salt, Potash & Gyp
1448	1642	94	Salt & Anhydrite
1642	1860	218	Salt
1860	2065	205	Salt, Anhy. & Gyp
2065	2425	360	Salt
2425	2440	15	Anhydrite
2440	2535	95	Gyp, Anhydrite & Streaks Salt
2535	2586	51	Anhy. & Gyp
2586	2617	31	Anhy.
2617	2668	51	Anhy. Gyp & Red Shells
2668	2723	55	Anhy. & Gyp
2723	2783	60	Anhy.
2783	2823	40	Anhy. & Gyp
2823	2874	51	Lime & Sand
2874	3026	152	Anhy. & Gyp
3026	3065	39	Anhy.
3065	3079	14	Broken Line
3079	3134	55	Anhy. Gyp w/ Broken Line Streaks
3134	3347	213	Anhy. & Gyp
3347	3492	145	Lime
3492	3530	38	Lime (Gas Showing)
3530	3775	245	Lime
3775	3909	134	Lime