Form C-110

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator Tide Water Associated Oil Co. Lease State "S"

Address Drawer KK, Hobbs, New Mexico (Local or Field Office) Box 731, Tulsa, Oklahoma (Principal Place of Business)

Unit B Wells No. 3 Sec. 15 T 21S R 37E Field Brunson County Lea

Kind of Lease State Land Location of Tanks State "S" Lease

Transporter Texas-New Mexico Pipe Line Co. Address of Transporter Eunice, New Mexico (Local or Field Office)

Midland, Texas (Principal Place of Business) Percent of oil to be transported 100% Other transporters authorized to transport oil from this unit are None None %

REMARKS:

This is a new well.

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 percentages 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 20th day of November, 1950

Tide Water Associated Oil Company
(Company or Operator)

By [signature]

Title Foreman

State of New Mexico }
County of Lea } ss.

Before me, the undersigned authority, on this day personally appeared H.G. Wesberry 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 21 day of November, 1950

[signature]

Notary Public in and for Lea County, [illegible] 1953

Approved: 11-24- 1950

OIL CONSERVATION COMMISSION

By [signature]

(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

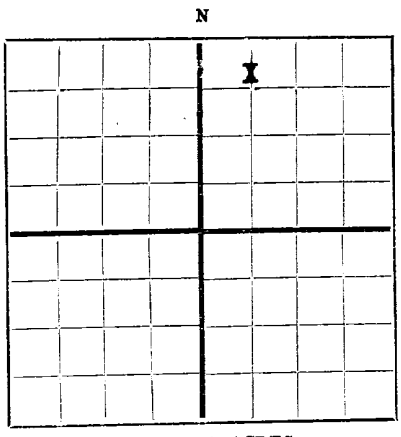
(c) The permit is cancelled by the Commission.

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-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

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

Tide Water Associated Oil Company (Company or Operator) Drawer KK, Hobbs, New Mexico (Address)

State "S" (Lease) Well No. 3 in NE/4 of Sec. 15, T. 21-S R. 37-E, N. M. P. M., Brunson Field, Lea County.

Well is 660 feet south of the North line and 1980 feet west of the East line of NE/4 Section 15.

If State land the oil and gas lease is No. B-9188 Assignment No. None

If patented land the owner is - , Address -

If Government land the permittee is - , Address -

The Lessee is Tide Water Associated Oil Company , Address Drawer KK, Hobbs, N.M.

Drilling commenced October 3, 1950 Drilling was completed 19

Name of drilling contractor E. F. Moran, Inc. , Address Hobbs, New Mexico

Elevation above sea level at top of casing 3,447 feet. 3,458' DF

The information given is to be kept confidential until Not Confidential 19

OIL SANDS OR ZONES

No. 1, from 6,541 to 6,710 No. 4, from to

No. 2, from 6,470 to 7,612 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 None Shown 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	36	Welded	Armco	280	Texas Pattern				
8-5/8	22.7	Welded	Armco	1960					
8-5/8	24	8 rd.	J & L	1026	Larkin				
5-1/2	17	8 rd.	NTL	7671	Larkin		7550	7612	Produce

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2	13-3/8	294	300	Halliburton		
11	8-5/8	3004	2000	Halliburton		
6-3/4	5-1/2	7631	500	Halliburton		

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
		15% Dowell Mud Acid	1000	11-20-50	6550-6612	

Results of shooting or chemical treatment Would not produce any oil prior to acidizing w/1000 gallons mud acid. After acid trratment the well flowed.

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 7,631 feet, and from feet to feet

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

PRODUCTION

Put to producing November 22, 1950

The production of the first 24 hours was 324 barrels of fluid of which 99 % was oil; - %

emulsion; - % water; and 1 % sediment. Gravity, Be. API 42°

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

Rock pressure, lbs. per sq. in. 1050 psi.

EMPLOYEES

E. A. Webb, Driller C. A. Reynolds, Driller

C. P. Stewart, 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 day of , 19

Notary Public

My Commission expires

Hobbs, New Mexico (Place) November 24, 1950 (Date)

Name John M. Mintz

Position Engineer

Representing Tide Water Associated Oil Co. (Company or Operator)

Address Drawer KK, Hobbs, New Mexico

Orig. & 2cc Oil Conservation Commission, Mr. C. H. Schuetz, Houston, Midland, File

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	95	95	Caliche and Sand
95	1,262	1,167	Red Bed
1,262	1,390	128	Anhydrite and Shale
1,390	1,634	244	Salt, Shale and Anhydrite
1,634	2,445	811	Salt and Anhydrite
2,445	2,880	355	Anhydrite
2,880	2,962	162	Anhydrite and Lime
2,962	3,820	858	Lime
3,820	3,876	56	Sand Lime
3,876	7,470	3,894	Lime
7,470	7,612	142	Dolomite
7,612	7,631	19	Granite

Top of Anhydrite	1,300
Top of Yates	2,690
Top of San Adres	3,980
Top of Glorretta	5,181
Top of Tubbs	6,160
Top of Drinkard	6,541
Base xPermian	7,432
Top of Ellinberger	7,470
Top of Granite	7,612

Derrick Floor Measurements

DST #1 - 6,540-6660', Tool open 2 hrs., gas in 3 min., strong flow throughout test, estimate 3 MMCF gas. Recovered 120' hravy oil and gas cut mud, no water. 15 min. shut in 1,990#

DST #2 - 7,440-7,490', Tool open 30 min. Gas in 3 min., mud in 16 min., oil in 17 min. Flowed to pits 13 min. estimated 30-50 Bbls./hr., 5/8" choke. 15 min. shut in 2,798# no water, 42 gravity oil

DST #3 - 7,490-7,544', Tool open 54 min. Gas in 3 min., mud in 19 min., oil in 24 min., estimate 30-5- bbls./hr. in pits. 5/8" choke, 15 min. shut in 2,755#

DST #4 - 7,544'-7,570', Tool open 2 hrs. 20 min. Gas in 10 min., recovered 930' oil, 210' oil and gas cut mud. No water.

DST #5 - 7,568'-7,615', Tool open 3 hrs. 49 min. Gas in 7 min., recovered 3,780' oil and 210' oil and gas cut mud. 15 min. shut in 2,675#, no water.

Deviation Surveys

Depth	Degrees Off
300	1/4
650	1/2
950	1/2
1,226	1/2
1,550	1/2
1,839	7/8
2,000	3/4
2,275	3/4
2,550	7/8
2,797	3/4
3,207	3/4
3,400	3/4
3,536	3/4
3,771	3/4
3,883	3/4
4,120	3/4
4,763	1
4,810	3/4
5,290	1/2
5,840	1/4
6,086	1/2
6,350	3/4
6,475	3/4
6,764	1-1/4
6,875	1-1/2
6,948	1-1/2
7,188	1-1/4
7,247	1