



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.

Oil well Drilling Company Box 3468 Odessa, Texas
Company or Operator Address
Thomas Long Well No. 1 in SESE of Sec. 11, T. 22 S.
Lease
R. 37 E., N. M. P. M. Drinkard Field, Lea County.
North South East West
Well is 330 feet south of the North line and 200 feet east of the East line of Section 11
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Thomas Long Address Llanice, New Mexico
If Government land the permittee is Address
The Lessee is Farmout from Shell Oil Company, Inc. Address Houston, Texas
Drilling commenced May 30 1949 Drilling was completed July 9 1949
Name of drilling contractor Own Tools Address
Elevation above sea level at top of casing 3342 feet.
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 6397 to 6415 No. 4, from to
No. 2, from 6418 to 6620 No. 5, from to
No. 3, from 6424 to 6487 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 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
13 3/8	48 lbs	8	National	280'	Bal. Guide Shoe	- - - - -	- - - - -	Surface Pipe
8 5/8	32 lbs	8	National	2767'	Larkin Guide Shoe & Float Collar	- - - - -	- - - - -	Intermediate String to case off salt.
5 1/2	15 1/2 lbs	8	National	6400'	Baker	- - - - -	- - - - -	Production String
			Town				No perforation	

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	280'	300	Plug	?	40 sacks
11	8 5/8	2779'	1300	Plug	?	Pure Water
7 7/8	5 1/2	6400'	600	Plug	?	20 Sacks

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
		Acid	500 Gal	7/16/49	6462-6487	
		Acid	500 Gal	7/17/49	6465'-6487'	
		Acid	500 Gal	7/17/49	6413'-6487'	
		Acid	4000 Gal	7/18/49	6413'-6487'	

Results of shooting or chemical treatment. Packer failed on acid treatment of 500 Gal on July 16 & 17. Estimated only two barrells of acid on pay when packer failed. Last 500 Gal treatment on 7/17/49 and 4000 Gal treatment on 7/18/49 were successful.

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 6487 feet, and from feet to feet
Cable tools were used from none feet to feet, and from feet to feet

PRODUCTION

Put to producing July 19 1949
The production of the first 24 hours was 264 barrels of fluid of which 98% was oil; 1% emulsion; 1% water; and 0% sediment. Gravity, Be 40.6 at 91° and 38.2 at 60°
If gas well, cu. ft. per 24 hours 211 M Gallons gasoline per 1,000 cu. ft. of gas ?
Rock pressure, lbs. per sq. in. 2352

EMPLOYEES

Howard Mc Adams Driller Don L. Johnson Driller
J. M. Darnell 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 2 day of August 1949
Notary Public
My Commission expires 11/15
Odessa, Texas Place August 1949
Name
Position Drilling Superintendent
Representing Oil well Drilling Company (owner)
Address P.O. Box 3468, Odessa, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	30	30	Caliche
30	60	30	Sand & shells
60	115	55	Red bed & shells
115	229	114	Red bed, Caliche & sand
229	240	11	Gravel
240	280	40	Red Rock (Cemented 13 3/8 Casing with 300 sx at 230')
280	557	277	Red Bed & Shells
557	777	220	Red Rock, Shale & Shells
777	950	173	Red Bed & Shells
950	1114	164	Red Bed, Shale & Sand
1114	1170	56	Anhydrite
1170	1224	54	Anhydrite with streaks of salt
1224	1420	196	Salt & Anhydrite
1420	1536	116	Salt, Anhydrite & Gyp
1536	2444	908	Salt & Anhydrite
2444	2563	119	Anhydrite & Sand (top red sand 2550')
2563	2626	63	Anhydrite
2626	2734	108	Anhydrite & Gyp
2734	2742	8	Anhydrite
2742	2775	33	Anhydrite & Lime
2775	2792	17	Anhydrite (SLM Correction from 2785' to 2792') (Cemented 8 3/8" O.D. Casing at 2779'—or 2765' below ground level—with 1300 sx cement)
2792	3010	218	Lime
3010	3165	155	Lime & Shale
3165	3270	105	Gray Lime
3270	3342	72	Lime with some shale
3342	3517	175	Gray Lime
3517	3591	74	Gray Lime (hard)
3591	3795	204	Lime
3795	3858	63	Gray & Brown Lime (sandy)
3858	5625	1767	Lime (High gas pressure encountered at 5453' well blew out)
5625	5661	36	Gray & White Lime & Gyp
5661	5991	330	Lime
5991	6036	45	Lime & Gyp (SLM Correction from 6029' to 6036')
6036	6217	181	Gray Lime
6217	6231	14	Brown Lime
6231	6264	33	Lime (Reduced hole to 4 3/4" at 6231')
6264	6279	15	Brown Lime (Ran DST No.1 from 6225' to 6279')
6279	6308	29	Lime
6308	6321	13	Brown Lime
6321	6446	125	Lime (DST #2 from 6370' to 6446') (DST #3 from 6407' to 7446')
6446	6487	41	Brown Lime (DST #4 from 6446' to 6487')
T D			(4 1/2" hole reamed out to 7 7/8 from 6231' to 6400') (5 1/2" O.D. Casing cemented at 6400' with 600 sacks of cement.)

RECORD OF DRILL STEM TESTS
ON
Long #1

6225'-6279' Tool open 1 hour. Gas to surface in 4 minutes gauged at rate of 195,900 cubic feet per day. Recovered 150 feet of gas cut drilling mud. 15 minute bottom hole shut in pressure 2260#.

6369'-6446' Tool open 15 minutes. Gas to surface in 2 minutes gauged 3,025,000 cubic feet per day before fluid reached surface. Mud to surface in 10 minutes and spray of oil to surface in 12 minutes. After fluid had reached surface volume of gas was estimated to be 5,000,000 cubic feet per day. Gas and oil carried across highway by strong wind so test was closed in at end of 15 minutes. Bottom hole flowing pressure increased from 1125# to 1900#. 10 minute bottom hole shut in pressure was 2650#.

6407'-6446' Tool open 2 hours and 15 minutes. Gas to surface in 3 minutes and at end of first hour it gauged 285,000 cubic feet per day. Mud to surface in 1 hour and 19 minutes. Oil to surface in 1 hour and 24 minutes. Turned flow to tanks and in one hour well flowed 7.28 bbl. of oil. Gas volume at end of test estimated at rate of 175,000 cubic feet per day. Bottom hole flowing pressure 600#. 15 minute bottom hole pressure 2350#.

6446'-6487' Tool open 90 minutes. Small blow air throughout test. Recovered 140 feet of oil and gas cut mud. No flowing, or bottom hole shut in pressure.

