

FORM C-105

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.

AREA ~~1200000~~ 960 Acres
LOCATE WELL CORRECTLY

Continental Oil Company
Company or Operator
W. C. Hawk B93 Well No. 3-E in Lot 16 of Sec. 3 T. 21-S
Lease
R. 37-E N. M. P. M. Undesignated Field, Lea County.
Well is 4950 feet south of the North line and 660 feet west of the East line of Section 3
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Address.
If Government land the permittee is Address.
The Lessee is Address.
Drilling commenced May 2 1951 Drilling was completed June 15 1951
Name of drilling contractor Makin Drilling Co. Address Hobbs, N. M.
Elevation above sea level at top of casing 3470 feet
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 8046 to 8170 No. 4, from
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	
10 3/4	32.75	8R	H40	266	Guide				Shut off water
7 5/8	24	8R	H40	3163	F.Collar & G.Shoe				Protect salt section
5 1/2	17	8R	J55	1624					
5 1/2	14	8R	J55	3569					
5 1/2	15.5	8R	J55	3061	F.Collar & G.Shoe	8140	8172		Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
	10 3/4	265	250	Pump & Plug		
	7 5/8	3149	1235	Pump & Plug		
	5 1/2	8187	650	Pump & Plug		

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
	X-R Special Low Tension Acid		1000 Gals.	7-4-51	8140-8172	
	20% X-R Special Low Tension Acid		3000 Gals.	7-5-51	8140-8172	

Results of shooting or chemical treatment Flowed at rate of 1896 bbls. 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.

(See Reverse)

TOOLS USED

Rotary tools were used from 0 feet to 8191 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing July 5 1951
The production of the first 24 hours was 1896 barrels of fluid of which 100% was oil; %
emulsion; % water; and % sediment. Gravity, Be. 44
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

C. G. Gibbs Driller V. L. Lewis Driller
Otho Ward 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 12th

day of July 1951

Notary Public

My Commission expires 5-17-53

Hobbs, New Mexico July 12, 1951

Place Date
Name E. L. Shafer

Position District Superintendent

Representing Continental Oil Company

Company or Operator
Address Box CC, Hobbs, N. M.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1270	1270	Surface sands and red beds.
1270	1389	119	Red beds and anhydrite.
1389	2720	1331	Anhydrite and salt.
2720	2795	75	Anhydrite and gyp.
2795	3088	293	Lime and gyp.
3088	7625	4537	Lime.
7625	7647	22	Shale.
7647	7732	85	Lime and shale.
7732	7878	146	Sand and shale.
7878	8170	292	Lime and shale.
8170	8191	21	Granite wash.
DST #1 (McKee) from 7689 to 7806', packer failed to hold.			
DST #2 (McKee) from 7733 to 7806', tool open 1 hr. 40 mins. Gas to surface in 4 mins., fluid in 25 mins., flowed 10 mins. cleaning up. Then flowed 35.18 bbls. oil, no water, in 1 hr. with 663.9 MCF per day, GOR 786.			
DST #3 (Connell) from 7949 to 8001', packer failed.			
DST #4 (Connell) from 7927 to 8001', packer failed.			
DST #5 (Connell) from 7971 to 8001', tool open 1 hr. 55 mins. Gas to surface in 6 mins., fluid in 30 mins. Flowed 35 bbls. oil, no water, in 1 hr. Gas 607.4 MCF per day, GOR 707.			
DST #6 (Ellenburger) from 8050 to 8191', tool open 2 hrs., good blow air throughout test. Recovered 45' drilling fluid, no oil or gas.			

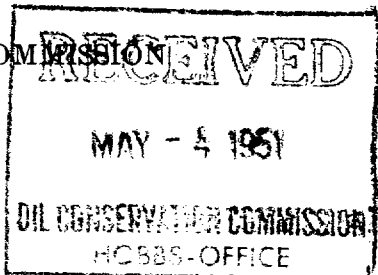
FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1221	1221	Surface Sand, Caliche, Red Beds.
1221	1485	264	Anhydrite.
1485	2471	986	Salt.
2471	6642	4171	Anhydrite, Dolomite and Shale.
6642	7446	804	Dolomite and Lime.
7446	7685	239	Sand
7685	7690	5	Lime
DEVIATION SURVEY			
		Depth Taken	Degrees off Vertical
		650	1/4
		850	1/4
		1520	1-1/2
		1750	3/4
		2549	1
		3125	1/4
		3755	1
		4000	1/2
		4528	1/4
		4700	1/4
		5265	1-1/4
		5475	1-3/4
		5795	2
		6100	1-3/4
		6488	2
		6843	1-1/4
		7150	2
		7319	1-1/2
		7550	1-3/4
		7645	1-3/4

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.

Tide Water Associated Oil Company State NS
Company or Operator Lease
Well No. 5 in NW/4 NW/4 of Sec. 15, T. 21-S
R. 37-E, N. M. P. M., Hars (Extension) Field, Lea County.
Well is 660 feet south of the North line and 4290 feet west of the East line of Sec. 15
If State land the oil and gas lease is No. 8-15644 Assignment No. _____
If patented land the owner is _____, Address _____
If Government land the permittee is _____, Address _____
The Lessee is Tide Water Associated Oil Company, Address Box 731, Tulsa 2, Okla.
Drilling commenced 2-13 1951 Drilling was completed 4-20 1951
Name of drilling contractor E. F. Moran, Inc., Address Hobbs, New Mexico
Elevation above sea level at top of casing 3448 feet.
The information given is to be kept confidential until Not Confidential 19____

OIL SANDS OR ZONES

No. 1, from 7574 to 7800 No. 4, from _____ to _____
No. 2, from 7953 to 8092 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 Logged 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	36	Slip-Joint	Arnes	280'	TP				
8-5/8	24	8-Rd.	J&L	2974'	Larkin				
5-1/2	15.5	8-Rd.	---	8147'	Larkin				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4	13-3/8	294	300	Halliburton	Natural Mud	
11	8-5/8	2974	2000	Halliburton	Natural Mud	
6-3/4	5-1/2	8147	500	Halliburton	9.1 Lbs. per Gal.	500 bbl. System

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.	4-20-51	7910-60	

Results of shooting or chemical treatment. Before treating the well flowed 8 Ebls. per hour.
After treating it flowed 10 Ebls of oil per hour

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 8148 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing April 20 1951
The production of the first 24 hours was 308.37 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water, and 0 % sediment. Gravity, Be. 44.6
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. E. Lee Driller Piner Wardlow Driller
J. D. Starr 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 5-2-51
Place Date

Name H. P. Shackelford
Position District Foreman

Representing Tide Water Associated Oil Company
Company or Operator.

Address Drawer KK, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	174	174	Caliche
174	1227	1093	Red Bed, loess, & shells
1227	1550	323	Anhydrite and shale
1550	2543	993	Anhydrite and salt
2543	3240	697	Anhydrite and gypsum
3240	3515	275	Anhydrite and lime
3515	7331	3816	Lime
7331	7398	67	Lime & Green shale
7398	7578	180	Lime
7578	7645	67	Lime & shale
7645	7800	155	Sand & shale
7800	7880	80	Lime, shale, sand
7880	8092	212	Selenite, lime
8092	8130	38	Granite wash
8130	8149	18	Granite
			1911-1912 N. 100' to
			(all measurements from Terrace Floor)
		4-12	Deviation (degrees)
		720	1/4
		1250	1/2
		1576	0
		1800	1/4
		2100	1/2
		2350	1/2
		2575	3/4
		2861	3/4
		3065	0
		3515	1/4
		3625	1/4
		4016	3/4
		4250	1/4
		4375	3/4
		4517	1-3/4
		4647	1-3/4
		4705	1-1/2
		4766	1-1/2
		4785	1-1/2
		4805	1-1/2
		4975	1-1/2
		5006	1-3/4
		5096	1-3/4
		5170	2
		5185	1-1/2
		5246	1-3/4
		5268	1-3/4
		5318	1-1/2
		5365	1-1/2
		5400	1-3/4
		5429	1-3/4
		5464	-----
		5490	1-1/2
		5519	1-1/4
		5585	1-1/4
		5642	1-1/4
		5704	1-1/4
		5800	1-1/4
		5848	1-1/4
		5978	1-1/2
		6055	1-3/4
		6130	1-1/4
		6220	1-1/2
		6281	1-1/2
		6330	1-1/4
		6430	1-1/2
		6522	1-1/4
		6600	1-1/4
		6670	1-1/2
		6720	1-1/2
		6790	1-1/2
		6840	1-1/2
		6921	1-1/4
		7000	1-1/2
		7050	1-1/2
		7100	1-1/2
		7230	1-1/4
		7350	1-1/4
		7412	1
		7520	1-1/2
		7624	1
		7740	3/4
		8149	2.5
Orig. & 2nd - 000			
1st - Tulsa			
1st - Houston			
1st - Midland			
1st - Palo			
			ILLEGIBLE