UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TABLE 5.—*Test wells in Umiat-Maybe Creek Region*

[Modification of data from Collins, 1958a, 1959; Robinson, 1959a; Robinson and Collins, 1959. Asterisk(*) indicates incomplete]

Well	Drilling data: Status	Type of drill	Date completed	Location: Latitude	Location: Longitude	Elevation, in feet (derrick floor or Kelly bushing) (1948 datum)	Total depth (feet)	Depth to top of formation (feet): Tuluvak Tongue of Prince Creek Formation	Seabee Formation	Ninuluk Formation	Killik Tongue of Chandler Formation	Grandstand Formation	Torok Formation
Umiat 1	Dry and abandoned	Rotary	Oct. 5, 1946	69°24′ N.	152°20′ W.	810	6,005		9*	915	1,010; 2,010*	1,335; 2,092 (fault at 2,010).	2,840
Umiat 2	Dry and abandoned	Rotary	Dec. 12, 1947	69°23′ N.	152°05′ W.	342	6,212				80*	390	1,060
Umiat 3	Pumped 24 bbl oil per day; abandoned.	Rotary (core test).	Dec. 26, 1946 (Retested Oct. 1–Nov. 15, 1947).	69°23′ N.	152°05′ W.	360	572				60*	248	
Umiat 4	Pumped 100 bbl oil per day; shut in.	Cable tool	July 29, 1950	69°23′ N.	152°05′ W.	483	840			0*	40(?)	353	
Umiat 5	Pumped 400 bbl oil per day; shut in.	Cable tool	Oct. 4, 1951	69°23′ N.	152°05′ W.	335	1,077			0*	60(?)	365	1,060
Umiat 6	Pumped estimated 80 bbl oil per day; junked and abandoned.	Cable tool	Dec. 12, 1950	69°23′ N.	152°06′ W.	337	825		31*	220	350	655	
Umiat 7	Dry and abandoned	Cable tool	Apr. 12, 1951	69°23′ N.	152°06′ W.	330	1,384		50*	390	515	820	
Umiat 8	Pumped 60–100 bbl oil per day; gas estimated 6 million cu ft per day; shut in.	Cable tool	Aug. 28, 1951	69°24′ N.	152°07′ W.	740	1,327		20*; 350(?)	60; 445	170; 555 (fault at 350±).	865	
Umiat 9	Pumped average 217 bbl oil per day; abandoned.	Rotary	Jan. 15, 1952	69°23′ N.	152°10′ W.	424	1,257		0*	50(?)	155	465	1,090
Umiat 10	Bailed 222 bbl oil in 24 hr; plugged and abandoned.	Cable tool	Jan. 10, 1952	69°24′ N.	152°08′ W.	746	1,573		0*(?); 210*; 495*.	70(?) (fault at 210); 410 (fault at 495); 645.	765	1,055	
Umiat 11	Dry and abandoned	Rotary	Aug. 29, 1952	69°24′ N.	152°06′ W.	481	3,303	22*	545	2,040	2,160	2,435	3,075
Square Lake 1	Plugged and abandoned	Rotary	Apr. 18, 1952	69°34′ N.	153°18′ W.	340	3,987	25*	700	1,885	1,960(?)	2,800	3,910
Wolf Creek 1	Junked and abandoned	Cable tool	June 4, 1951	69°23′ N.	153°31′ W.	714	1,500			10*	455	1,485	
Wolf Creek 2	Dry and abandoned	Cable tool	July 1, 1951	69°24′ N.	153°31′ W.	443	1,618		45*	130	650		
Wolf Creek 3	Dry and abandoned	Rotary	Nov. 3, 1952	69°23′ N.	153°31′ W.	750	3,760			30*	500	1,528	2,760
Titaluk 1	Dry and abandoned	Rotary	July 6, 1951	69°25′ N.	154°34′ W.	840	4,020			40	590	2,230	3,500
Knifeblade 1	Dry and abandoned	Cable tool	Dec. 22, 1951	69°09′ N.	154°43′ W.	999	1,805				6*	1,145	
Knifeblade 2	Junked and abandoned	Cable tool	Aug. 5, 1951	69°08′ N.	154°44′ W.	876	373				5*		
Knifeblade 2A	Dry and abandoned	Cable tool	Oct. 7, 1951	69°08′ N.	154°44′ W.	874	1,805				15*	455	1,755
Sentinel Hill 1	Dry and abandoned	Rotary	Mar. 23, 1947	69°37′ N.	151°27′ W.	209	1,180	(1)					

Well	Oil shows (depth, in feet): Seabee Formation	Ninuluk Formation	Killik Tongue of Chandler Formation	Grandstand Formation	Gas shows (depth, in feet): Seabee Formation	Ninuluk Formation	Killik Tongue of Chandler Formation	Grandstand Formation	Depth of water (feet): Seabee Formation	Ninuluk Formation	Killik Tongue of Chandler Formation	Grandstand Formation
Umiat 1												1,693–1,816; fresh; 10 bbl per hr.
Umiat 2			103–544					1,030–1,060; 15,520 cu ft per day.				103–544; fresh.
												755–822.
Umiat 3				248–286; oil sand; 5–50 bbl per day.								
Umiat 4				353–427; oil sand; pumped 1,269.8 bbl in 15 days from this and possible lower oil sand.								
Umiat 5				370–425; oil sand; 70 bbl per day average for 15 days. This and lower sands to total depth pumped 115–448 bbl per day for 93 days.								800.
Umiat 6			498–543; 25 gal per 2 hr.	655–710; oil sand								800.
Umiat 7			605–610									825 and below; unable to shut off water.
Umiat 8			810–815					Below 1,231; 5,858,700 cu ft per day.				
			840–1,080; 60 bbl per day.									
Umiat 9				1,037–1,071; bled oil; well produced average of 217 bbl per day for 7-week test; source beds not determined.				1,037–1,071; core bled gas				868–888.
Umiat 10		653–748; oil sand; 96 bbl per day initial production.		1,060–1,116; oil sand; 153 bbl per day maximum.								
Umiat 11	804, oil in ditch.	2,077–2,142; free oil in cores		2,440–2,540; 2,444–2,448; oil cut in core.		2,081; gas in ditch; 2,052–2,097; very slight blow.		2,832–2,850; slight amount gas		2,095–2,145		2,375–2,461
												2,814–2,850.
Square Lake 1					1,646–1,675; indicated flow of 112,000 cu ft per day at 425 pounds per sq in.; total recoverable gas estimated 12–21 billion cu ft. 1,847–1,879; 1–3 million cu ft per day at 800 pounds per sq in.; total recoverable gas estimated 22–37 billion cu ft.				1,646–1,675; 1,847–1,897.			3,033–3,067; fresh.
Wolf Creek 1							863–868; 1,152–1,175.	1,490–1,500; 1,304,900 cu ft per day from 1½ in. orifice at 8 pounds per sq in.				
Wolf Creek 2							768; slight show				940–960; 20 gal per hr.	
Wolf Creek 3				2,644–2,681; 2 gal free oil				1,528–1,545; 161,200 cu ft per day from ½ in. orifice at 13 pounds per sq in. 1,545–1,565; 405,000 cu ft per day from ½ in. orifice at 55 pounds per sq in. 1,647–1,670; 87,300 cu ft per day from ¼ in. orifice at 44 pounds per sq in. 1,875–1,915; very slight blow. 2,038–2,076; 257,700 cu ft per day from ¼ in. orifice at 158 pounds per sq in. 2,643–2,661; weak blow.					
Titaluk 1				3,200–3,450; poor shows				2,984–3,027; light, steady blow. 3,340–3,471; gas in ditch				
Knifeblade 1			1,040; bitumen in sands.	1,250–1,660; 1,735; bitumen in sands.			640; slight show	1,795; slight blow			882 ft	1,373.
Knifeblade 2								681; slight show				758.
Knifeblade 2A			175; 300; bitumen in sands.	460–800; 1,200; bitumen in sands.				1,035–1,086; core bled gas				
Sentinel Hill 1												

[1] Depths in Sentinel Hill core test 1: upper part of Kogosukruk Tongue of Prince Creek Formation, 9 ft; upper part of Sentinel Hill Member of Schrader Bluff Formation, 460 ft; lower part of Kogosukruk Tongue, 840 ft; and lower part of Sentinel Hill Member, 949 ft.

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