



Drilling Authority No. 110
Date Issued Feb. 14, 1962

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES DIVISION

WELL COMPLETION DATA

(To be submitted in duplicate within thirty days after the completion rework, abandonment, recompletion or suspension of every well.)

Well name and number **Pan Am Home Signal CSP A-1 Kotaneelce YT** P-50
 Permit No. **1007** Lease No. _____
Home Oil Co. Ltd. Exploratory Licence No. _____
(Permitter, Licensee, Lessee)
Pan American Petroleum Corp. Exploratory Licence No. **569**
(Operator)
 Location: Unit **P** Section **50** Grid **60° 10' N 124° 00' W**
 Latitude **60° 09' 46.83" N** Longitude **124° 07' 53.95" W**
 From Established Reference Marker **Y.T./B.C. Boundary Monument No. 594**
 Lat. **60° 00' 06.324" N** Long. **124° 09' 31.124" W**

	DATE	DEPTH	Pool (S)	Interval(s) open to production
Spudded	16- 3-62		None	
Suspended	23- 9-63	TD 14470' PBD 11799'		None
Resumed				
Finished Drilling				
Deepened			Elevation: Gr. 1475.25	
Complete (gas/oil)			K.B. 1490.0	Peter Bowden Drilling Ltd
Abandoned			Drilling Contractor & Rig No. Rig No. 18	
Rig released	23- 8-63	TD 14470' PBD 11799'	Contractor's Licence No. _____	

CASING RECORD

	Casing Size (Inches)	Weight	Amount	Set at—	Sacks of Cement	Method
1.	13 3/8"	54.5	417	417	400	2 plug
2.	9 5/8"	40 + 43.5	4,411	4,411	1,270	2 plug
3.	7"	23, 26 & 29	11,560	11,560	715	2 plug
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depths	Sub-Sea	From	To	Rec.	From	To	Rec.
Miss. Lime-shale unit	5432	-3992	9903	9947	44			
Miss. Shale	7910	-6420	11,077	11,081	2			
Devonian Shale	9792	-8302						
Second Black Shale	13,280	-11,790						
Nahanni Dolomite	14,407	-12,917						

LOG RECORD

Run No.	Type of Log	From	To
	see attached sheet		

CEMENTING RECORD (Plug, Squeeze, etc.)			PERFORATING RECORD (Bullet, Jet)			SERVICING RECORD (Acidizing, Fracing, etc.)		
Date	From	To	Date	From	To	Date	From	To
		see attached sheet						
								None
								None

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	5-19-63	Nahanni Dolomite	14,470	11,300*	289	255	268	-	1,036	634	724	5,276	5,276	Rec. 1,365' gas cut mud. Fair initial blow. Gas to surface in 40 min. Too small to measure. Gas flow gradually decreasing.
		* Hook wall packer set at 7" casing set at 11,560												

Lab. No.	Sample	From		To		Source	Remarks	PRESENT STATUS OF WELL						
		11,300	14,470	11,300	14,470			Oil	Gas	Dry	Susp.			
E-21663-1	water			DST #1 Middle		Filtrate water								
E-21663-2	water			DST #1 Bottom		Filtrate water								

Company: Pan American Petroleum Corporation
 Signed by: R. R. Turner
 Title: Division Drilling Superintendent
 Date: February 6, 1964

Forms to be prepared in duplicate and forwarded to the Conservation Engineer, Calgary, Alberta.

Cementing Record

<u>No.</u>	<u>Date</u>	<u>From</u>	<u>To</u>	<u>Remarks</u>
1	7-10-62	3141	2990	175 sx. Felt at 3021.
2	7-10-62	3021	2850	196 sx. Felt at 2852.
3	7-11-62	2852	2760	82 sx. & 20 sx. sand. Felt at 2754.
4	6-24-63	13780	13880	25 sx. Not felt.
5	6-24-63	12750	12600	130 sx. Not felt.
6	6-24-63	12600	12400	130 sx. Felt at 12,518.
7	6-27-63	12700	12575	150 sx. Not felt.
8	6-27-63	12575	12450	100 sx. and 25 sx. sand. Felt at 12,375.
9	7- 3-63	12480	12280	125 sx. and 25 sx. sand. Felt at 12,225.
10	7- 4-63	12020	11700	125 sx. and 18 sx. sand. Felt at 11,707.
11	7-24-63	4000	3660	30 sx. Felt at 3930. Drilled out.
12	7-25-63	3930	3790	30 sx. Felt at 3835. Drilled out.
13	8-21-63	Set a Baker Model "K" retainer "Bridge Plug" at 11,490'. Dumped 3 sx. cement on top with dump bailer.		

Explanation of Cement Plugs

Plug No.

- 1 Plug set over top of 9 5/8" casing which became stuck while running and was shot off at 3140.
- 2 Plugging back to less deviated portion of hole in order to set whipstock.
- 3 Sand and cement plug to set a whipstock to deviate hole.
- 4 Plug over top of fish at 13,881.
- 5 Plugging back to less deviated portion of hole in order to drill around fish.
- 6 Plugging back to less deviated portion of hole in order to drill around fish.

- 7 Felt plug No. 6 at 12,518 and drilled out cement to 12,536. Could not feel any cement plugs down to 12,699 and commenced to rerun cement plugs.
- 8 Plugging back to a less deviated portion of the hole in order to drill around fish (13,881).
- 9 Cement and sand plug over top of fish at 12,480.
- 10 Plugging back to a less deviated portion of the hole in order to drill around fish.
- 11 & 12 Plug set in 7" casing. Purpose was to prevent any tools from being lost down the hole while repairs were being made on the 7" casing at 3,569. Plugs were later drilled out entirely.
- 13 To isolate casing from bottom of hole during suspension.

LOG RECORD

<u>Run No.</u>	<u>Type of Log</u>	<u>From</u>	<u>To</u>
1	Induction Electric	5,460	419
3	Induction Electric	10,003	4,411
4	Induction Electric	11,291	9,500
5	Induction Electric	13,367	11,548
6	Induction Electric	14,470	13,367
1	Gamma Sonic Caliper	5,434	419
2	Gamma Sonic Caliper	7,656	5,250
3	Gamma Sonic Caliper	9,955	4,411
4	Gamma Sonic Caliper	11,315	9,500
5	Gamma Sonic Caliper	13,332	11,548
6	Gamma Sonic Caliper	14,460	13,046
1	Continuous Dipmeter	5,427	419
2	Continuous Dipmeter	9,990	4,411
3	Continuous Dipmeter	11,292	9,500
4	Continuous Dipmeter	13,365	11,548
1	Directional Log	5,427	419
2	Directional Log	9,980	4,411
3	Directional Log	11,292	9,900
4	Directional Log	13,365	11,548
1	Electric Log	1,145	1,021
1	Gamma Ray - Neutron	4,737	100
1	Microlog - Caliper	5,441	419
1	Sonic Amplitude	5,423	419
1	Completion Record	11,560	11,350
1	Caliper	13,864	11,544
1	Depth Determination	3,238	3,343
1,3,4,5,6	Geophysical	14,460	419

Note: No run number two for Induction Electrical Log