FORM 8648

SCANNED

GENERAL PETROLEUM CORPORATION
WELL COMPLETION REPORT
ORIGINAL DRILLING

OPERATOR GENERAL PETROLEUM CORPORATION
WELL NO. LONG BELL #1
FIELD (Exploratory well)
SEC. 27, T. 20 S., R. 10 W. W. B & M
STATE Oregon COUNTY Douglas
LOCATION 1639.90' Ely and 1244.39' Nly at 90° from S.W. corner of Sec. 27.

LAND OFFICE _____ LEASE NO. _____
ELEVATIONS 61' (K.B.) 48.05' (MAT)
ENGINEER W. C. Griffin
GEOLOGIST John Sprague
DATE November 4, 1957

SIGNED E. L. DeMaris
GENERAL AGENT
TITLE General Agent
L. M. MacKenzie Jr.

COMMENCED DRILLING June 22, 1957
COMPLETED DRILLING October 19, 1957
TOTAL DEPTH 9004' PLUGGED DEPTH Surface
JUNK None

ON PRODUCTION Abandoned ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~
(CROSS OUT UNNECESSARY WORDS)

GEOLOGICAL MARKERS	DEPTH

PRODUCTION DATA

PRODUCTION, CLEAN OIL		GRAVITY CLEAN OIL	TOTAL CUT %	BEAN SIZE	TUBING PRESSURE	CASING PRESSURE	GAS MCF PER DAY
INITIAL	-- B/D						
AFTER ___ DAYS	-- B/D						

CASING RECORD (PRESENT HOLE)

SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECONDHAND	SEAMLESS OR LAPWELD	GRADE OF CASING	SIZE OF HOLE DRILLED	NO. OF SACKS OF CEM.	DEPTH OF CEM. IF THRU PERFS.
13-3/8"	524'	Surf.	54.5#	New	Smls.	J-55	17-1/4"	550	
7-5/8"	6869'	5695'	29.7# & 26.4#	New	Smls.	J-55 & N-80	12-1/4", 11, & 9-7/8"	200	
		(7-5/8" casing cut and recovered from 6869')							

PERFORATIONS

SIZE OF CASING	FROM	TO	SIZE OF PERFS.	NO. OF ROWS	DISTANCE BET. CENTERS	METHOD OF PERFS.
None						

ELECTRIC LOG DEPTHS 524'-9000'

DRILLED BY Green and Heiser Drilling Co.

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GENERAL PETROLEUM CORPORATION

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HISTORY OF OIL OR GAS WELL

OPERATOR GENERAL PETROLEUM CORPORATION FIELD Reedsport Area

WELL NO. LONG BELL #1 Sec. 27 T. 20 S. R. 10 W. W. B&M

Signed E. L. DeMaris

DATE November 4, 1957 Title General Agent

Date	
1957	This well was drilled by Green and Heiser Drilling Company, contractor, using portable rotary drilling equipment.
	All depths herein refer to the Kelly bushing, which was 12.5' above the cellar corner.
	DRILLING AN EXPLORATORY WELL TO TEST EOCENE SANDS
	20" conductor pipe was cemented at 32'. Rotary drilling equipment was moved in and rigged up.
	DRILLING TO 526'
6-22 to 6-28	12-1/4" hole was spudded at 12:30 P.M. on June 22, 1957, and drilled to 526' The 12-1/4" hole was opened to 17-1/2" to 524'.
	CEMENTING 13-3/8" O.D. CASING AT 524'
6-28	New, 13-3/8" O.D., 54.5#, grade J-55, S.T.&C., 8-round thread, range 3 casing with a Baker cement float shoe on bottom and a Larkin float collar at 486', was cemented at 524' with 550 sacks of Portland Ideal type I cement treated with 2% calcium chloride. (Mixing time 31 minutes. Slurry weight 117#/cu. ft. Displacing time 21 minutes. Displaced with 436 cu. ft. of mud using one top rubber plug. Final pressure 800 psi. Good cement returns obtained. Completed at 7:15 P.M. by Halliburton Oil Well Cementing Co.).
	The 13-3/8" casing was cut off and a landing head was welded on. Blowout prevention equipment was installed.
6-29	After standing cemented for approximately 22 hours, the plug at 483' was cleaned out and cement was drilled out to 500'. The 13-3/8" casing was pressure tested at 1000 psi for 15 minutes without loss in pressure. Cement and the shoe were drilled out and the hole was cleaned out to 526'.
	DRILLING AND CORING FROM 526' TO 4472'
6-29 to 7-12	A drill returns logging unit was installed (Lith-O-Log) and the hole was logged to total depth. 12-1/4" hole was drilled from 526' to 2485'.
7-13 to 7-26	11" hole was drilled from 2485' to 4078'. (Circulation was lost while drilling at 4039'. The hole took approximately 490 barrels before circulation was regained using mud treated with lost circulation material.)

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Date	
1957 7-27 to 7-30	9-7/8" hole was drilled from 4078' to 4472', including 8-1/2" cores in the following intervals: 4078'-4098', 4180'-4200', and 4200'-4220'.
7-31	The following Schlumberger services were run: electric log from 524' to 4472', and micro-caliper log from 524' to 4472'. An attempt was made to take 16 Schlumberger sidewall samples in the interval 3684'-4382'. Of these, 6 samples were recovered in the interval 4172'-4377'.
	DRILLING FROM 4472' TO 4493' (AND OPENING HOLE FROM 4078' TO 4325')
7-31 to 8-1	9-7/8" hole was drilled from 4472' to 4493'. The 9-7/8" hole was opened to 11" from 4078' to 4325'.
	OPEN HOLE FORMATION TEST OF THE INTERVAL 4368' TO 4493'
8-1	A Johnston formation tester (hydraulic tool - 1/2" bean) was run on dry 4-1/2" drill pipe with a circulating valve, a Homco safety joint, and Bowen jars above one 8-1/2" multi-ring packer and with 125' of tail pipe below the packer including a left hand expansion joint, 17' of perforations, two B.H.P. recorders, and a thermometer. The packer was set at 4368' (with the tail pipe extending to 4493'). The tool was opened at 6:00 P.M. for one hour and 30 minutes, including the last 30 minutes shut in. There was a very faint (declining) blow for 15 minutes and no blow thereafter for the balance of the flow period. (No gas detected at the surface.) The shut-in pressure tool was closed at 7:00 P.M. for 30 minutes and the tester was pulled loose at 7:30 P.M. When the drill pipe was pulled, a net rise of 45' of normal drilling mud was recovered. (No visual evidence of oil.) The B.H.P. charts showed 130 psi throughout both the flowing and shut-in periods.
	DRILLING AND CORING FROM 4493' TO 6290'
8-2 to 8-8	9-7/8" hole was drilled from 4493' to 5235', including 8-1/2" cores in the following intervals: 4699'-4704' and 5215'-5235'.
8-9	The 9-7/8" hole was opened to 11" from 4325' to 4493'.
8-9 to 8-23	9-7/8" hole was drilled from 5235' to 6290' including 8-1/2" cores in the following intervals: 5351'-5371', 5589'-5609', 5609'-5629', and 6040'-6060'. (Circulation was partially lost while drilling at the following depths: 4700', 5420'±, and 6290'±. Circulation was regained by treating the mud with lost circulation material.)
8-23	The following Schlumberger services were run: induction-electrical log 524'-6285', micro-caliper log 4472'-6285'. Ten Schlumberger sidewall samples were taken in the interval 5036'-6019'.

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1957

DRILLING AND CORING FROM 6290' TO 6930'

8-24 to 9-2

9-7/8" hole was drilled from 6290' to 6930', including an 8-1/2" core in the interval 6576'-6596'. (Circulation was partially lost at approximately 6500' after increasing the drilling mud weight from 78#/cu. ft. to 78½#/cu. ft. Reduction in weight to 78#/cu. ft. restored full circulation.)

A Schlumberger induction-electrical log was run from 6285' to 6921' and a Schlumberger micro-caliper log was run from 6285' to 6921'.

CEMENTING 7-5/8" O.D. CASING AT 6869'

9-3

6874.51' (171 joints) of new Youngstown and Republic 7-5/8" O.D., N-80 and J-55, 29.7# and 26.4#, range 2 and 3, S.T.&C., L.T.&C. and Speedtite seamless casing with a Baker down whirler float shoe on bottom and a float collar on top of the second joint above bottom was cemented at 6869' with 200 sacks of Permanente modified cement. (Slurry weight 118#/cu. ft. Mixing time 9 minutes. Pumped 30 cu. ft. of water ahead and displaced with 1811 cu. ft. of mud in 38 minutes using one top and one bottom rubber plug. Worked pipe throughout. Displacing pressures 300-500 psi. Bumper plugs at final pressure of 1000 psi. Completed at 6:55 P.M. by Halliburton Oil Well Cementing Co.)

The 7-5/8" O.D. casing detail was as follows, top to bottom:

Amount	Description
41.59'	29.7#, N-80, 8-round, range 3, L.T.&C.
1010.59'	26.4#, N-80, 8-round, range 3, L.T.&C.
41.32'	26.4#, cross-over, long 8-round coupling, short, 8-round pin.
2200.79'	26.4#, J-55, 8-round, range 2 & 3, S.T.&C.
41.93'	29.7#, cross-over, long, 8-round coupling, Speedtite pin.
3538.29'	29.7#, N-80, range 3, Speedtite incl. Baker down-whirler float shoe on bottom and float collar on top of second joint above bottom.
6874.51'	Total 7-5/8" O.D. casing
5.00	Above K.B.
6869.51'	Shoe depth.

A B & W centralizer was placed on the 7-5/8" casing at 6860'.

9-4 to 9-5

The 7-5/8" casing was landed in slips in the 13-3/8" landing head.

After standing cemented for approximately 44 hours, the 7-5/8" O.D. casing was pressure tested at 1000 psi for 15 minutes without loss. After standing cemented an additional 17 hours, the top of the plugs were located at 6786' and the plugs, baffle collar, and firm cement were cleaned out to 6869'. The shoe was drilled out to 6869' and the hole was cleaned out to 6930'.

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1957	DRILLING AND CORING FROM 6930' TO 8513'
9-6 to 10-5	6-1/4" hole was drilled from 6930' to 8345', including 6-1/4" cores in the following intervals: 7095'-7110', 7362'-7377', 7874'-7881', and 8336'-8345'.
10-5 to 10-9	6-1/8" hole was drilled from 8345' to 8513'. (Circulation was partially lost while drilling at the following depths: 7366'±, 8223', and 8441'.) A Schlumberger combination induction-electrical log was run from 6921' to 8510'. A Schlumberger micro-caliper log was run from 7307' to 8510' and three Schlumberger sidewall samples were taken in the interval 8168'-8448'.
10-9 to 10-10	The 6-1/8" hole was opened to 6-1/4" from 8345' to 8513'.
	DRILLING AND CORING FROM 8513' TO 9004'
10-10 to 10-12	6-1/4" hole was drilled from 8513' to 8619', including a 6-1/4" core from 8582' to 8592'.
10-12 to 10-14	6-1/8" hole was drilled from 8619' to 8659'.
10-14 to 10-19	The 6-1/8" hole was opened to 6-1/4" from 8619' to 8659' and 6-1/4" hole was drilled from 8659' to 8990'. 6-1/4" hole was cored to 9004', total depth.
10-20	The following Schlumberger services were run: induction-electrical log 8510'-8999', micro-caliper log 8510'-9000'. Five Schlumberger sidewall samples were taken in the interval 8752'-8838'.
	RECOVERING 7-5/8" CASING FROM 5695'
10-20 to 10-21	A Ford Alexander free point indicator found the 7-5/8" casing to be free at 6258'. After several jet shots and collar shots (from 5400' to 6200') failed to free the casing, the free point indicator was rerun and found the casing to be free at 5375'. After working the casing for three hours, it was recovered from 5695', at a point where a previous jet shot had been fired.
	PLUGGING 544'-410' WITH CEMENT
10-21	1st Stage: With open-end 3-1/2" drill pipe hanging at 544', the 12-1/4" hole and 13-3/8" casing were plugged with 70 sacks of Portland type I cement treated

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Date	
1957 10-21 to 10-22	with 2% calcium chloride. (Slurry weight 116#/cu. ft. Mixing time 4 minutes. Displaced with 15 cu. ft. of mud to equalization in one minute. Completed at 8:00 P.M. by Halliburton Oil Well Cementing Co.) After standing for 4 hours, the drill pipe was run to 544' without locating any cement. 2nd Stage: With open-end 3-1/2" drill pipe hanging at 544', the 12-1/4" hole and 13-3/8" casing were plugged with 100 sacks of Portland type I cement. (Slurry weight 116#/cu. ft. Mixing time 5 minutes. Displaced to equalization in one minute with 14 cu. ft. of mud. Completed at 4:15 A.M. by Halliburton Oil Well Cementing Co.) After standing cemented, the top of the cement plug was located at 410'. The location and hardness of the cement plug was witnessed and approved by a representative of the Oregon State Department of Geology and Mineral Industries. ABANDONING
10-22	A 20' cement plug was placed in the 13-3/8" casing at the surface. The contractor was released at 7:00 P.M., October 22, 1957.

PRESENT CONDITION OF WELL

CASING RECORD: 13-3/8" casing cemented 524' with 550 sacks.
7-5/8" casing cemented 6869' with 200 sacks, shot and recovered from 5695'.

TOTAL DEPTH: 9004'

PLUGS: 20' at surface
410'-544'

JUNK: None

HOLE SIZE SUMMARY:

17-1/2"	Surface to 526'
12-1/4"	526' to 2485'
11"	2485' to 4493'
9-7/8"	4493' to 6930'
6-1/4"	6930' to 9004'

STATUS: Well plugged and abandoned October 22, 1957.

Compiled by W. C. Griffin

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COMPANY GENERAL PETROLEUM CORP. **LEASE** LONG BELL **WELL NO.** 1

ELEVATION 61' K.B. **LOCATION:** 1639.90' Ely and 1244.39' Nly at 90° from S.W. Cor. of Sec. 27, T. 10 S., R. 10 W., W.B.&M., Douglas County, Oregon.

SPUDDED June 22, 1957 ~~COMPLETED~~ Abandoned October 22, 1957

Tyee

TOP	BOTTOM	REC'Y	FORMATION
0'	569'		Sandstone.
569	652		Sandstone with streaks of shale.
652	847		Sandstone.
847	921		Sandstone and siltstone.
921	976		Sandstone, claystone, siltstone, and hard sand.
976	1028		Claystone and sandstone.
1028	1912		Sandstone.
1912	1972		Sandstone, shale, and sand.
1972	2051		Sandstone.
2051	2123		Sandstone and shale.
2123	2235		Sandstone.
2235	2395		Sand and shale.
2395	2485		Sand.
2485	2535		Sandstone.
2535	2584		Sand and shale.
2584	2627		Sand.
2627	2689		Sand and shale.
2689	2941		Sandstone.
2941	2985		Sand and siltstone.
2985	3021		Sandstone.
3021	3092		Sand and siltstone.
3092	3518		Sand.
3518	3548		Not logged.
3548	3618		Sand and clay.
3618	4078		Sand.
			CORE #1 4078'-4098 Rec. 20'
4078	4098	20'	Sandstone, light grey when dry, grey green when wet. Fine to medium, very massive. 20' without silt break. Poorly sorted. Silty. Large mica flakes. Carbonaceous. Large scattered angular siltstone fragments up to 1/2". Scattered small basalt pebbles. No flash. No staining.
4098	4180		Sand.
			CORE #2 4180'-4200' Rec. 17' 11"
4180	4182'8"	2'8"	Sandstone, grey green, fine to medium, large mica flakes, carbonaceous, silty, large scattered angular siltstone fragments up to 1/2" and small basalt pebbles.
4182'8"	4183'4½"	8½"	Alternating thin bedded siltstone and sandstone. Sandstone, grey green, fine, micromicaceous. Siltstone, black, micromicaceous, large carbonaceous fragments. Small amount of shale with siltstone.
4183'4½"	4183'11½"	7"	Sandstone, as above.
4183'11½"	4184'3"	3½"	Alternating siltstone and sandstone, as above.
4184'3"	4187'4"	3'1"	Sandstone, as above.
4187'4"	4187'8½"	4½"	Alternating siltstone and sandstone, as above.
4187'8½"	4190'½"	2'4"	Sandstone, as above.
4190'½"	4190'1½"	1"	Shale, black.

Umpqua?

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TOP	BOTTOM	REC'Y	FORMATION
			CORE #2 Continued
4190'1½"	4190'10"	8½"	Sandstone as above.
4190'10"	4190'11"	1"	Shale, black.
4190'11"	4196'1½"	5'2½"	Sandstone as above.
4196'1½"	4196'8½"	7"	Siltstone as above.
4196'8½"	4197'11"	1'2½"	Sandstone as above.
4197'11"	4200'	0'	Missed.
			No flash. No staining. 0-4° dip.
			CORE #3 4200'-4220' Rec. 18' 10"
4200	4213'10"	13'10"	Sandstone, grey green, fine to medium, hard, very massive, silty, carbonaceous, large mica flakes. Scattered small siltstone fragments. Local calcite.
4213'10"	4214'4"	6"	Black shale.
4214'4"	4216'10"	2'6"	Siltstone, dark grey, micromicaceous, highly carbonaceous.
4216'10"	4218'10"	2'	Sandstone as above.
4218'10"	4220'	0'	Missed.
			No flash. No staining. Dip 0-3°.
4220	4353		Sand and shale.
4353	4394		Sand.
4394	4699		Sand and shale.
			CORE #4 4699'-4704' Rec. 5'
4699	4704	5'	Shale, dark grey, hard, finely laminated, rare large carbonaceous fragments on bedding planes, breaks easy on bedding plane, common pyrite, shale in part grades into siltstone, dark grey; with common thin (1/32" to 1/8") interbedded sandstone, light grey to white, very fine to medium, silty. Common microfossils, rare mega-fossil fragments. Rare thin (1/32") cross-cutting calcite veins. No odor, stain, or fluorescence. Dip 0-2° (good).
4704	5215		Sand and shale.
			CORE #5 5215'-5235' Rec. 6'
5215	5221	6'	Shale, dark grey, hard, common pyrite replacement of micro-fossils, grading into siltstone, dark grey, rare mica, carbonaceous fragments, common pyrite; interbedded sandstone, light grey, very fine, silty; interbeds 1/32" to 2". Common small high angle fractures filled with calcite. Dip 10-15° good. No odor, stain, or cut.
5221	5235	0'	Missed.
5235	5256		Shale.
5256	5341		Sand and shale.
5341	5351		Shale.
			(5335'-5351' Ditch shows. Maximum 5 units gas at 5345'. Faint cut, fluorescence without CCl_4.

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COMPANY GENERAL PETROLEUM CORP. **LEASE** LONG BELL **WELL NO.** 1

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SPUDDED June 22, 1957 ~~COMPLETED~~ Abandoned October 22, 1957

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TOP	BOTTOM	REC'Y	FORMATION
			CORE #6 5351'-5371' Rec. 20'
5351'	5361'	10'	Shale, dark grey, finely laminated, common pyrite, interbedded with light grey, fine sandstone, silty. Slightly fractured with calcite. 6-10° dip, good. No odor, stain, cut, or fluorescence.
5361	5371	10'	Shale breecia with fragments of shale and sandstone as above and olive grey limestone; fragments up to 3". Matrix shale.
5371	5589		Shale and sand.
			CORE #7 5589'-5609' Rec. 17'
5589	5590	1'	Sandstone, light purple, granular, massive, silty, scattered large calcite, common pyrite, veins filled with pyrite, rare fractures calcite filled, grades into shale. No odor, stain, cut, or fluorescence.
5590	5606	16'	Shale, dark grey, finely laminated, grades into sandstone, light grey, very fine, silty, common thinly interbedded. Rare pyrite, calcite filled fractures, rare fractures in upper 12½', lower 3½' highly fractured with highly polished slickensides. Common microfossils. Dip 0°. Cross-bedding up to 15°. No odor, stain, faint amber cut. At 5600', both shale and sandstone had pale yellow fluorescence with CCl_4 for 3' ±.
5606	5609	0'	Missed.
			CORE #8 5609'-5629' Rec. 6'
			(Core blew out on walk from pumping.)
5609	5615	6'	Shale, dark grey, finely laminated, grades into thinly interbedded shale and sandstone, light grey, very fine, silty, rare pyrite filling of fractures. Common highly polished slickensides, rare calcite filled. Microfossils. Dip 4-10° good. No odor, stain, faint amber cut, pale yellow fluorescence with CCl_4, very slow.
5615	5629	0'	Missed.
5629	6040		Sand and shale.
			CORE #9 6040'-6060' Rec. 20'
6040	6060	20'	Shale, dark grey, massive, hard, rare carbonaceous fragments. Rare small sand pods. Grades into siltstone, dark grey, hard, with common elongated dark grey shale pods (1/2" to 1/8"). Rare interbedded finely laminated shale and sandstone. Sandstone, light grey, extremely fine, silty, rare pyrite. Common microfossils, breaks easily on bedding planes. Rare calcite filled fractures 6058'. 3/4" quartz vein at 6053'. 1-1/2" white calcareous shale. Dip 0-3°. No stain or odor. Faint pale yellow fluorescence with CCl_4 throughout core when crushed.

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TOP	BOTTOM	REC'Y	FORMATION
6060'	6184'		Sand and shale.
6184	6203		Shale.
6203	6576		Sand and shale.
			CORE #10 6576'-6596' Rec. 20'
6576	6576'10"	10"	Shale, dark grey, hard, massive, sand pods, rare pyrite.
6576'10"	6578'10"	2'	Finely laminated shale and sandstone. Shale, dark grey, sandstone, light grey, very fine, silty, micromicaceous. Carbonaceous on bedding planes, slightly contorted, depositional.
6578'10"	6579'6"	8"	Shale, dark grey as above, micro fossils.
6579'6"	6579'10"	4"	Limestone, olive green, hard, massive.
6579'10"	6581'2"	1'4"	Shale, dark grey as above with occasional finely laminated shale and sandstone.
6581'2"	6586'	4'10"	Finely laminated shale and sandstone as above.
6586'	6587'11"	1'11"	Shale, dark grey as above.
6587'11"	6588'	1"	Limestone, as above.
6588	6589'2"	1'2"	Shale, dark grey as above.
6589'2"	6590'3"	1'1"	Finely laminated shale and sandstone as above.
6590'3"	6591'	9"	Shale, dark grey as above.
6591'	6591'7"	7"	Finely laminated shale and sandstone as above.
6591'7"	6592'4"	9"	Shale, dark grey as above.
6592'4"	6593'10"	1'6"	Finely laminated shale and sandstone as above.
6593'10"	6596'	2'2"	Shale, dark grey as above. Dip 10-15° good. No stain, odor, cut, or fluorescence.
6596	7095		Sand and shale.
			CORE #11 7095'-7110' Rec. 11'
7095	7102	7'	Shale, dark grey, tuffaceous, carbonaceous fragments, rare pyrite with pods and thin interbeds up to 1/4" of tuff, light grey and fine. Shale has rare light brown limestone interbeds.
7102	7103	1'	Tuff, light grey to light green, fine to medium, hard, with shale fragments.
7103	7106	3'	Shale, as above.
7106	7110	0'	Missed.
			Dip 5-10° good. No stain, odor, or fluorescence.
7110	7184		Sand and shale.
7184	7194		Shale.
7194	7362		Sand and shale.
			CORE #12 7362'-7377' Rec. 8'
7362	7370	8'	Shale, multi-colored, dark grey, red brown, and green. Hard, massive, highly tuffaceous. Shale has lenses, pods, interbeds, and grades into tuff, red brown, light green, dark green, blue green, light grey, fine to medium, and hard, rare carbonaceous matrix with some pyrite, rare high to low angle fractures.

8660

COMPANY GENERAL PETROLEUM CORP. **LEASE** LONG BELL **WELL NO.** 1

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SPUDDED June 22, 1957 ~~COMPLETED~~ Abandoned October 22, 1957

TOP	BOTTOM	REC'Y	FORMATION
			CORE #12 Continued Dip 10° to 15° poor. No stain, odor, or fluorescence.
7370'	7377'	0'	Missed.
7377	7874		Sand and shale.
			CORE #13 7874'-7881' Rec. 6'
7874	7880	6'	Shale, finely laminated, tuffaceous, and tuff, silty, dark reddish brown to grey brown, medium sized tuff and rare carbonaceous fragments in shale, hard and massive, common interbeds and irregular pods of tuff, dark green to grey, fine to coarse, rare high angle fractures. Dips 0-5°, some primary cross-bedding. No odor, stain, cut, or fluorescence.
7880	7881	1'	Missed.
7881	8074		Sand and shale.
8074	8099		Shale and claystone.
8099	8186		Volcanics and shale.
8186	8197		Shale.
8197	8227		Shale and sand.
8227	8298		Tuff and shale.
8298	8301		Not logged.
8301	8336		Tuff.
			CORE #14 8336'-8345' Rec. 5'
8336	8339'6"	3'6"	Shale, tuffaceous, red brown and dark grey with green scattered angular fragments and irregular pods of tuff. Light green and grey, fine to medium, occasional thin interbeds of shale. Light green, tuffaceous.
8339'6"	8340'	6"	Sandstone, dark grey and dark green. Medium, angular grains. Hard. Highly tuffaceous.
8340	8341	1'	Shale, as above. Dip 0° good. No odor, stain, or cut.
8341	8345	0'	Missed.
8345	8500		Tuff and shale.
8500	8515		Sand and shale.
8515	8521		Tuffaceous shale.
8521	8582		Shale and claystone.
Silets River ?	4200 4250		
			CORE #15 8582'-8592' Rec. 8'
8582	8590	8'	Basalt, dark green, hard to soft, phenocrysts, olivene, plageoclase, and augite, common pyrite. Highly altered, very common chlorite, rare small veins filled with zeolites.
8590	8592	0'	Missed.
8592	8627		Basalt.
8627	8645		Sand and shale.

SCANNED

8660

COMPANY GENERAL PETROLEUM CORP. **LEASE** LONG BELL **WELL NO.** 1

ELEVATION 61' K.B. **LOCATION:** 1639.90' Ely and 1244.39' Nly at 90° from S.W. Cor. of sec. 27, T. 10 S., R. 10 W, W.B.&M., Douglas County, Oregon.

SPUDDED June 22, 1957 ~~COMPLETED~~ Abandoned October 22, 1957

TOP	BOTTOM	REC'Y	FORMATION
8645'	8663'		Shale.
8663	8679		Shale and basalt.
8679	8689		Shale.
8689	8729		Shale and basalt.
8729	8756		Shale and tuff.
8756	8790		Basalt.
8790	8804		Shale and basalt.
8804	8857		Basalt.
8857	8995		Basalt and shale.
			CORE #16 8995'-9004' Rec. 1'
8995	8996	1'	Basalt, black, very hard, rare phenocrysts, broken in core barrel.
8996	9004	0'	Missed.
			TOTAL DEPTH: 9004'
			SCHLUMBERGER SIDEWALL SAMPLES
	3684'		Missed.
	4162		Missed.
	4164		Missed.
	4166		Missed.
	4172	1/2"	Sandstone, light green, silty, very fine, large mica flakes, no odor, stain, or cut. Appears tight.
	4174		Missed.
	4176	1/2"	Sandstone, light green, medium grained, silty, no odor, stain, or cut. Probably wet.
	4374	1"	Shale, dark grey to black, no odor, stain, or cut.
	4375	3/4"	Shale, as above.
	4376	1"	Shale, as above, no odor, faint yellow fluorescence with CCl_4.
	4377	1"	Shale, dark grey to black, no odor, faint fluorescence as above.
	4378		Missed.
	4379		Missed.

SCANNED

8660

COMPANY GENERAL PETROLEUM CORP. **LEASE** LONG BELL **WELL NO.** 1

ELEVATION 61' K.B. **LOCATION:** 1639.90' Ely and 1244.39' Nly at 90° from S.W. Cor. of Sec. 27, T. 10 S., R. 10 W., W.B.&M., Douglas County, Oregon.

SPUDDED June 22, 1957 ~~COMPLETED~~ Abandoned October 22, 1957

TOP	BOTTOM	REC'Y	FORMATION
	4380'		Missed.
	4381		Missed.
	4382		Missed.
	5036	2"	Tuff, white, very soft, dry.
	5569	1/2"	Shale, dark grey with calcite vein 1/16" quartered by pyrite, very pale yellow fluorescence with CCl_4.
	5619	2"	Shale, dark grey, soft and wet.
	5626	1-1/2"	Shale, dark green, soft, highly chloritic, very common pyrite, shows slickensided surfaces and pale yellow fluorescence with CCl_4.
	5694	1-1/2"	Shale, dark grey, soft, wet.
	5734	3/4"	Shale, dark grey, soft, very small calcite vein and wet.
	5938	1/2"	Siltstone, light grey calcareous, hard and dry.
	5950	1"	Shale, dark grey, soft, wet.
	5964	1/2"	Shale, dark green, very hard, high chloritic, common calcite and wet.
	6019	1"	Sandstone, light green, very fine, silty soft chloritic calcareous derived from volcanic, wet.
	8170	1/4"	Shale, dark grey, hard, calcareous, pyritic, and tuffaceous.
	8444	1/4"	Basalt, dark green to black, hard, phenocrysts, plageoclase, augite, olivene.
	8445	1/4"	Basalt, as above.
	8752	1"	Basalt, greenish black, olivene, augite, plageoclase, zeolites, very soft, highly altered.
	8757	3/4"	Basalt, as above.
	8759	1/2"	Basalt.
	8779½	1/2"	Basalt.
	8838		No recovery.

Described by John Sprague

SCANNED