W E L L H I S T O R Y R E P O R T

for

SOCONY MOBIL WESTERN MINERALS

NORTH CATH YT B-62

Latitude N 66° 11' 13.5"

Longitude W 138° 41' 53"

Socony Mobil Oil of Canada, Ltd.
Dawson Creek District

G. A. Atkinson
DISTRICT GEOLOGIST

INDEX

ATTACHMENTS

Schlumberger Logs (IES, BHCSGR-C, ML-C, CDM, SRS, DIL)

WELL HISTORY REPORT

SECTION I - Summary of Well Data

(a)	Well Name and Number:	Socony Mobil Western Minerals North Cath YT B-62
(b)	Permittee:	Western Minerals Ltd.
(c)	Operator:	Socony Mobil Oil of Canada, Ltd.
(d)	Location:	Unit B Section 62 Grid N 66° 20'; W 138° 30' Latitude N 66° 11' 13.5" Longitude W 138° 41' 53"
(f)	Permit:	3349
(g)	Drilling Contractor:	Socony Mobil Rig #4
(h)	Drilling Authority:	155; April 7, 1965
(i)	Classification:	New Field Wildcat
(j)	Elevation:	Ground 1754.8 ft. K.B. 1772 ft.
(k)	Spudded:	April 16, 1965
(l)	Completed Drilling:	June 26, 1965
(m)	Total Depth:	7016 ft. Top of Fish at 6911

(n) Well Status: Dry & Abandoned

(o) Rig Released: July 8, 1965

(p) Hole Size:

24 1/2" to 85 ft.

17 1/4" to 806 ft.

12 1/4" to 3220 ft.

8 5/8" to 7016 ft.

(q) Casing:

13 3/8" 54.5# to 806.19 K.B.

9 5/8" 36# to 3220 K.B.

(r) NOTE:

Plate with 3" valve installed in casing flange. Mud displaced with diesel fuel above Plug #2. Well turned over to the Department of Mines & Technical Surveys, Seismology Division, which is responsible for the final abandonment of the well.

SECTION II - Geological Summary

(a) Formation Tops

	E-log Tops Depth	Elevation
Upper Devonian	Surface	+1755
Devonian Carbonates	2663	- 891
Ordovician Dolomite	6187	-4415

(b) Cored Intervals

Core Number	From	To	Rec.	Formation
1	1294	1303	9'	Upper Devonian
2	2050	2059	9'	Upper Devonian
3	2509	2518	9'	Upper Devonian
4	2660	2669	9'	Upper Devonian-Dev. Carbonates
5	3412	3452	40'	Devonian Carbonates
6	3844	3850	6'	Devonian Carbonates
7	4531	4540	9'	Devonian Carbonates
8	5219	5228	9'	Devonian Carbonates
9	5540	5546	3'	Devonian Carbonates
10	6032	6041	9'	Devonian Carbonates
11	6473	6482	2'	Ordovician Dolomite
12	6791	6800	5'	Ordovician Dolomite

(c) Core Description

Diamond Core #1 — Mississippian - Upper Devonian

1294 - 1303' Recovered 9'

Coring times: 1294 - 1303' — 27, 32, 40, 39, 43, 43, 41, 38, 40 minutes per foot.

9' — Shale, dark grey, in bands from 1/8" to 4" thick. Carbonized plant remains scattered throughout (some plant fragments very large). Occasional slickensides with formation of graphite as at 1296, interbedded with shale, grey to brown, slightly siliceous and dolomitic, slightly silty in part, in bands from 1/16" to 1" thick, hard, dense.

Pyrite in lenses as at 1297' and bands as at 1299.5' and fine grains scattered throughout core. Mudstone, brown, slightly sandy, in a 2" band at 1295'. Dolomite, crystals formed in hairline fractures and along some bedding planes.

Dip 25°.

Spathiocarus sp. at 1298 ammonoid or arthropod [illegible] (Norris). suggest Carb [illegible] ([illegible] or M Dev.)

Diamond Core #2 — Upper Devonian

2050 - 2059' Recovered 9'

Coring times: 2050 - 2059' — 27, 15, 15, 19, 18, 17, 18, 22, 22 minutes per foot.

9' — Sandstone and shale interbedded; sandstone contains angular fragments of shale as at 2052 and 2054.

Irregular pods and lenses of sandstone are included in the shale as at 2054.5' and 2055.5'. Microfaults are present at 2055.5' and truncated bedding present at 2059'. The core suggests a marine environment of deposition with moderate to turbulent currents. The sandstone comprises approximately 60% of core. Approximate dip 10°.

Sandstone, grey to brown, quartz - chert, very fine to coarse grained, angular to well rounded, poorly sorted, silty, dolomite infilled, chert "pebbles", grades to grey - brown siltstone. Contains finely disseminated pyrite, hard, dense and tight throughout.

Shale, grey, silty, dense, hard.

Diamond Core #3 Upper Devonian

2509 - 2518' Recovered 9'

Coring times: 65, 22, 22, 26, 26, 24, 23, 23, 17 minutes per foot.

The core consists mainly of shale (98%) with dips between 0° and 10°.

2509 - 2518'

9' Shale, dark grey, slightly silty, slightly dolomitic, hard, dense. Contains thin streaks and lenses of dolomite, white, subhedral crystalline, bitumen coated. Pyrite occurs in thin layers and as fine grains scattered throughout the core. Abundant large carbonized plant imprints along bedding planes. Occasional slickensides

as at 2517'. 1" band of Gypsum?, light brown, granular to crystalline, soft, at 2513'.

Daimond Core #4 Middle Devonian Ramparts formation.

2660 - 2669' Recovered 9'

Coring times: 60, 27, 33, 32, 24, 26, 33, 34, 42 minutes per foot.

2660 - 2669'

9'

Core composed of limestone (90%), light to dark brown, micro to coarsely crystalline, argillaceous, (slightly mottled appearance due to variation in concentrations argillaceous material), extensive recrystallization, with abundant fossils - crinoids, brachiopods, and colonial corals (colony noted at top of core at 2660'), tight, with shale, dark grey to black, greasy luster, bituminous appearance. Shale occurs as thin bands, pods and lenses scattered throughout core. Shale also forms a matrix with large blebs of limestone as at 2667'.

Formats 47

Stylolites with bitumen infill occur throughout core as at 2662' and 2663'.

Fractures with bituminous argillaceous infill as at 2666' and 2667'.

Core emits sulphurous odour when broken.

Calcite, white, crystalline in irregular blebs and veins throughout core.

Diamond Core #5 Devonian

3412 - 3452' Recovered 40'

Coring times: 9, 8, 8, 8, 8, 7, 9, 10, 10, 8, 10, 8, 13, 8, 8, 9, 10, 10, 9, 10, 9, 9, 10, 9, 13, 11, 14, 9, 13, 13, 10, 10, 11, 12, 13, 13, 12, 15, 16, 17, 16 minutes per foot. Flame test not made, air coring.

3412 - 3416'

4' Limestone, brownish grey, very argillaceous, microcrystalline, recrystallized (R9), common organic debris including crinoids (F?), common blebs or zones of very fine dolomite crystals, black granular material along fractures and porosity channels presummed to be a sulfide, logged as pyrite. Fractures transverse to long axis of core and calcite filled. Bedding attitudes not determinable. Strong odour of hydrogen sulfide noted on breaking open the core. Core tight and compact, porosity nil.

3416 - 3420'

4' Limestone, brownish grey, very argillaceous, in part dolomitized (D3), microcrystalline compact, tight. Hairline fractures approximately normal to core axis with fine discrete mesh of dolomite crystals on fracture surface, some fracture porosity indicated.

3420 - 3428'

8' Limestone, brownish grey, as above, selectively dolomitized and in local zones approaches 50%. Partings with brown microcrystalline mesh of dolomite crystal aggregates with petroliferous odour, light green fluorescence with Trichloroethane. (Considered to be contamination). Good stylolitic structures in the interval. Porosity nil.

3428 - 3432'

4' Limestone, brownish grey, as above, strong odour of hydrogen sulfide and black pyritic? material is locally 1 - 3mm in thickness, appears to be replacement material. Porosity nil.

3432 - 3436'

4' Limestone, medium dark grey, argillaceous microcrystalline, recrystallized (R4), abundant organic debris including crinoids (F-6). Fractures more or less normal to core axis are very tight and little or no fracture porosity is indicated.

3436 - 3440'

4' Limestone, medium dark grey, slightly argillaceous but with local streaks of very argillaceous material, microcrystalline, and in part well dolomitized (D6).

Calcite matrix is microcrystalline and recrystallized (R4). Fractures transverse to core axis filled with crystalline calcite, hairline fractures more or less normal to the core. Interval very tight with little or no porosity from fractures.

3440 - 3444'

4' Limestone, medium dark grey, very argillaceous, microcrystalline, tight and compact. Framework of coarse organic debris (F/F-8).

3444 - 3448'

4' Limestone, medium dark grey, similar to above. Very argillaceous, microcrystalline, compact, tight. Framework (F/F-8) of crinoidal debris. Fractures more or less normal to core axis but partially healed; local zones of black pyritic? material.

3448 - 3452'

4' Limestone, greyish black, argillaceous, microcrystalline with crinoidal fragments. Local zones of black pyritic material.

Diamond Core #6 Devonian

3844 - 3850' Recovered 6'

Coring times: 7, 8, 8, 9, 7, 11 minutes per foot.

Flame test not made, air coring.

3844 - 3845'

1' Limestone, greyish black, mottled brownish grey, argillaceous, microcrystalline, dense compact. (R-5) (F/F-4). Disseminated very fine to microcrystalline dolomite crystals in the limestone and as streaks. Zones of black, pyritic? material.

3845 - 3846'

1' Limestone, greyish black to medium dark grey microcrystalline to very finely crystalline, in part with relict organic texture (R-C) (/F-?) some hairline fractures more or less normal to core axis, porosity nil.

3846 - 3847'

1' Limestone, greyish black, as above, but with slight fracture porosity as indicated by microcrystalline dolomite mesh along fracture planes. Microcrystalline dolomite disseminated in the limestone.

3847 - 3848'

1' Limestone, greyish black, as above.

3848 - 3849'

1' Limestone, greyish black, as above but with seams and zones of black pyritic? material, bioclastic debris largely recrystallized, crinoids noted but bioclastic framework is not visible (F/F 1-2)

Alveolites sp. common in Dev. (in Orange!)

3849 - 3850'

1' Limestone, greyish black, as above, core badly broken.

Diamond Core #7 Devonian

4531 - 4540' Recoverd 9'

Coring times: 15, 13, 27, 7, 6, 5, 5, 5, 5 minutes per foot.

Flame test not made, air coring.

4531 - 4532'

1' Dolomite, brownish grey, with seams and fossil replacement of calcite, some calcite masses which may be altered crinoidal fragments, microcrystalline, appears to be thin bedded, has poorly defined platy fracture with fractures transverse to bedding planes are infilled with clear and white calcite, core badly broken. Porosity nil.

4532 - 4533'

1' Dolomite, dark grey, interval is largely cryptocrystalline dense limestone which has been dolomitized. Very finely granular dolomite texture, seams of black pyrite?. Limestone contains fine calcite seams and calcite replaced fossils and blebs.

4533 - 4534'

1' Dolomite, light grey, very finely crystalline to granular associated with limestone, dark grey, cryptocrystalline, hard and dense. Seams transverse to core axis are filled with calcite, irregular patches and seams of black pyritic? material.

4534 - 4535'

1' Dolomite, medium dark grey, very finely crystalline, compact, tight, dense with calcite seams and crinoidal fragments, fractures and seams as above.

4535 - 4536'

1' Dolomite, similar to above, brachiopods, noted on broken surface.

4536 - 4537'

1' Dolomite, medium dark grey and dark grey microcrystalline to very finely crystalline dolomite, calcite in seams transverse to core long axis, some black patches and areas of black pyritic? infill. Compact, dense and with fracture lines sub-parallel to bedding planes, possible slight fracture porosity.

4537 - 4538'

1' Dolomite, dark grey and greyish black, very finely crystalline to granular, argillaceous with calcite in seams and as biogenic debris hard compact, fractures nearly normal to core axis with some (negligible) porosity. In part dark grey cryptocrystalline limestone with some partial dolomitization.

4538 - 4539'

1' Limestone, dark grey, cryptocrystalline associated with brownish grey microcrystalline to very fine crystalline to granular dolomite, fractures sub-parallel to bedding and possibly slight porosity. Seams and sports (1-2mm) of black earthy pyritic? material.

4539 - 4540'

1' Dolomite, greyish black, very finely crystalline and associated with dark grey cryptocrystalline limestone. Core fractures and drilling behavoir suggests fractured formation.

Diamond Core #8 Devonian

5219 - 5228' Recovered 9'

Coring times: 6, 8, 7, 6, 8, 6, 6, 6, 8 minutes per foot.

Flame test not made, air (mist) coring.

5219 - 5228'

9' Dolomite, dark grey, microcrystalline to very finely crystalline, local irregular masses of algal (?) origin of cream coarsely crystalline dolomite comprise in places 60% of the core. Core is hard, compact, and without intercrystalline porosity.

Fractures more or less parallel to the core axis are infilled with calcite. Stylolitic seams contain black

pyritic (?) material, fractures subnormal to the core axis appear to be open, and on broken surface show a mesh of fine dolomite crystals.

Hydrogen sulfide odour was strong when the core was fractured.

Diamond Core #9 — Devonian

5540 - 5546' Cut 6' Recovered 3' (50%) Core barrel

Coring times: 10, 7, 5, 8, 7, 12 minutes per foot.

5540 - 5541'

1' — Dolomite, brownish grey and subordinate greyish black, very finely crystalline to microcrystalline. Very coarse crystals line vugs and fractures. Most vugular openings are small, one however, is approximately one inch wide.

Core blotchy in appearance, owing probably to the argillaceous content of the rocks and the effect of the pyritization(?). Crinoidal and algal debris still retain their identity.

5541 - 5543'

2' — Siltstone, black, hard, compact, pyritic, with abundant fragments of organic (Crinoidal?) debris, sub-conchoidal fracture, very fine dolomite crystals disseminated locally pyritization has taken place along minute fractures.

Dip in Core 7° (questionable).

Diamond Core #10 Devonian KK

6032 - 6041' Cut 9' Recovered 9' (100%)

Coring times: 8, 9, 7, 7, 7, 5, 5, 6, 6 minutes per foot.

Flame test not made, air (mist) coring.

6032 - 6033'

1' Limestone, brownish black, massive and without apparent bedding. Framework of poorly sorted organic trash, in part recrystallized (FF? to F/F8) including crinoidal debris. Matrix finely crystalline to microcrystalline, very argillaceous, and in part dolomitized (d1-D6), and pyritic. Impressions of brachiopod and trilobite (?) fragments.

6033 - 6034'

1' Limestone, as above, one 5mm band dips approximately 18 degrees with the core axis, streaks of black pyritized siltstone, but without definite bedding planes, local zones of dolomitization with very fine crystals. Fine disseminated crystals of pyrite.

6034 - 6035'

1' Limestone, as above, containing silty layers with molds and casts of indeterminate fossils. Core dip of 17 degrees, one large Amphipora(?) structure. Framework of 8, in part recrystallized. Matrix very argillaceous, in part dolomitized (D5).

6035 - 6036'

1' Limestone, brownish black and greyish black, finely crystalline to microcrystalline, organic framework, poorly sorted, in part recrystallized, hard, dense, slightly argillaceous, but with streaks of pyritic, earthy material with abundant indeterminate molds of small fossils.

6036 - 6039'

3' Limestone brownish black, very argillaceous, local zones of dolomitization (D7), some non-dolomitized and are recrystallized limestone. Alteration zones indicated by colour contrasts on outer surface of core, Stromatoporoids(?), chiton fragments, and crinoidal debris.

6039 - 6041'

2' Siltstone, black, silty, slightly calcareous, pyritic, well indurated, abundant graptolites. At base of interval, approximately 4 inches of very finely crystalline, black pyritic, argillaceous limestone.

monograptids (R.K.)

Diamond Core #11 Ordovician

6473 - 6482' Cut 9' Recovered 2'

Coring times: 10, 12, 23, 15, 22, 29, 24, 27, 13 minutes per foot.

6473.0 - 6473.2'

0.2' Siltstone, greyish black, very hard, dense, slightly

dolomitic with microcrystalline dolomite crystals, pyrite as seams and disseminated crystals.

6473.2 - 6475.0'

1.8' Dolomite, light grey, microcrystalline, dense, hard, in part with black, very finely crystalline pyritic(?) and argillaceous infill. Veinlets transverse to core axis filled with white crystalline dolomite, vugs, partly filled with medium crystals of white dolomite, range from pin-point to 1/4" size. Larger openings may have been present as indicated by dark broken surfaces and crystal growths on core fragments. Drilling operations indicate water entry between 6465 and 6473 feet.

Bright green fluorescence noted on <u>outer</u> surfaces of the core, considered to be contamination.

Strong hydrogen sulfide odour from fractured core.

Core broken and jammed in barrel.

Diamond Core #12 Ordovician

6791 - 6800' Cut 9' Recovered 5'

Coring times: 9, 7, 7, 9, 14, 18, 20, 9 minutes per foot.

6791 - 6792'

1' Dolomite, dark grey with patches of light grey, compact, hard, medium crystalline with seams of black, pyritic(?) infill. Core broken in barrel. Dolomitization complete.

6792 - 6793'

1' Dolomite, medium grey, finely crystalline to very finely crystalline, compact, dense, hard. Common seams and vugular openings lined with very coarse crystals of dolomite. Open fractures and vugs.

6793 - 6794'

1' Dolomite, medium grey and medium dark grey with common fine vugular openings, finely crystalline but with local zones of coarse dolomite crystals, fractures and seams with black pyritic(?) infill.

6794 - 6796'

2' Dolomite, as above, but with fewer fractures and vugs.

(d) Sample Description

0 - 30'	Shales, gravels and ice.
30 - 50'	Shale, dark grey, micromicaceous.
50 - 225'	Sandstone, light grey, quartz and chert grains, fine to coarse grained, subangular to rounded, poor sorting, kaolin infill, ironstain, and minor siderite nodules, pyritic in lower part, trace intergranular porosity.
225 - 420'	Shale, dark grey, silty, micromicaceous in part, pyritic, occasional fossil imprints.
420 - 440'	No sample.
440 - 590'	Sandstone, grey, quartz and chert grains, very fine to coarse grained, medium to poorly sorted, kaolin infill, slightly calcareous, siderite nodules, trace intergranular porosity, minor siltstone, grey in basal 60'.
590 - 880'	Shale, dark grey, slightly silty, micromicaceous in part, rare sandstone stringers, pyritic and slickensided.
880 - 910'	Shale, dark grey, sandstone increasing.
910 - 1140'	Shale, dark grey with minor sandstone.
1140 - 1303'	Shales banded; dark grey and grey to brown, slightly siliceous, silty, pyritic, minor fossils.

1303 - 1540'	Shale, grey and shale brown.
1540 - 1800'	Shale, grey to brown, silty.
1800 - 2005'	Silty shale, grey to brown.
2005 - 2046'	Shale, silty, grey to brown.
2046 - 2110'	Sandstone, quartz and chert, silty, dolomitic infill, tight, with shale interbeds.
2110 - 2146'	Shale, dark grey, minor sandstone.
2146 - 2147'	Sandstone, as above.
2147 - 2185'	Sandstone and shale interbedded.
2185 - 2210'	Shale.
2210 - 2332'	Sandstone and shale interbedded.
2332 - 2372'	Shale.
2372 - 2400'	Shale with minor sandstone.
2400 - 2509'	Shale, grey, with minor brown siltstone.
2509 - 2518'	Shale, dark grey, slightly silty, bituminous, minor pyrite and plant fragments.
2518 - 2614'	Shale, dark grey, slightly silty.
2614 - 2648'	Shale, as above.

2648 - 2660'	Limestone, brown, argillaceous, tight, crinoids. Interbedded grey shale.
2660 - 2669'	Limestone, brown, argillaceous, micro to cryptocrystalline, crinoids, minor shale.
2669 - 2690'	Limestone, as above.
2690 - 2730'	Limestone, brown, micro to cryptocrystalline.
2730 - 2820'	Limestone, brown, micro to cryptocrystalline.
2820 - 2881'	Limestone, brown, micro to medium crystalline.
2881 - 2965'	Limestone, brown, micro to medium crystalline.
2965 - 3077'	Limestone, light to dark brown, micro to medium crystalline, argillaceous, chalky in part, minor dolomite streaks with trace bitumen, tight.
3077 - 3220'	Limestone, medium brown, microcrystalline.
3220 - 3370'	Limestone, compact, micro to cryptocrystalline.
3370 - 3412'	Limestone, as above, with streaks finely crystalline dolomite.
3412 - 3452'	Limestone, dark grey to black, argillaceous, micro to cryptocrystalline, partly recrystallized, in part bioclastic, in part dolomitic, pyritic, fractures, some open and some calcite infilled.

3452 - 3844'	Limestone, dark grey, micro to cryptocrystalline, argillaceous, in part slightly dolomitic, very fine scattered crystals, trace bioclastic, medium grained bioclasts in argillaceous matrix, compact, tight.
3844 - 3850'	Limestone, black, grey to black, argillaceous, pyritic, recrystallized, in part bioclastic, fragmental, crinoids, earthy matrix, micro to cryptocrystalline, dolomite infilled fractures 3846 - 3849 feet.
3850 - 4200'	Limestone, grey-black, brown-black, in part mottled, argillaceous, recrystallized, in part dolomitic.
4200 - 4531'	Dolomite, brown - grey, very finely crystalline, tight, interbedded with limestone, brown-grey, micro to cryptocrystalline, secondary calcite, fossiliferous, infilled fractures, sulphurous.
4531 - 4540'	Dolomite, brown-grey, very finely crystalline, very silty, argillaceous, tight.
4540 - 4980'	Dolomite, as above, less argillaceous.
4980 - 5219'	Dolomite, brown-grey, brown-black, light brown-grey, very finely crystalline, tight, pyritic, with limestone, brown-grey, micro to cryptocrystalline, tight; 10% shale in interval 5080 - 5190'.

5219 - 5228'	Dolomite, dark grey, microcrystalline to very finely crystalline, tight, pyritic, calcite blebs, infilled fractures.
5228 - 5490'	Dolomite, brown-grey, dark grey, white, in part silty, in part argillaceous, generally tight, 10 - 20% of dolomite with poor pin point, vuggy porosity, maximum 5%, slightly salty sulphurous water recovery while mist drilling.
5490 - 5540'	Shale, black, pyritic, with interbedded dolomite.
5540 - 5546'	Dolomite, brown-grey, very finely crystalline, in part argillaceous, tight, some porous, with siltstone, black, dolomitic, tight, pyritic, crinoids.
5546 - 5742'	Siltstone, black, tight, with dolomite, light brown-grey, finely crystalline, interbedded intercrystalline and vuggy porosity.
5742 - 6032'	Siltstone, black, pyritic, in part fissile, in part interbedded with argillaceous limestone, chert.
6032 - 6039'	Limestone, brown-black, fossiliferous, tight, pyritic, in part dolomitic.
6039 - 6220'	Shale and limestone, argillaceous, graptolitic.

6220 - 6370'	Dolomite, very finely crystalline to microcrystalline, argillaceous, tight.
6370 - 6482'	Dolomite, grey, very fine to finely crystalline, tight.
6482 - 6791'	Dolomite, medium crystalline, scattered porosity, made 300 bbls water while drilling with aerated water.
6791 - 6992'	Dolomite, dark grey, medium crystalline, dense, with small vugs and fractures.
6992 - 7016'	Dolomite, dark grey, medium crystalline, tight.

SECTION III - Engineering Summary

(a) Report of Drill Stem Tests

None.

(b) Casing Record

Casing Size	Weight	Amount	Set At	Cement
18"		85'	87'	102 ∕ 3% $CaCl_2$
13 5/8"	54.5#	807.49'	806.19'	232 ∕ 3% $CaCl_2$
				166 sax added from top.
9 5/8"	36#	103 Jnts.	3220	215 sax; Recemented xxx with 300 sax neat

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WELL FILE

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SOCONY MOBIL OIL OF CANADA, LTD.

BIT RECORD

Well CATH K-T B-12 Date Spudded APRIL 16, 1965

Area _____ Date Completed _____

RUN	BIT No.	BIT SIZE	TYPE	SERIAL No.	JET SIZE	DEPTH FROM	DEPTH TO	FOOTAGE	TIME HRS.	ACCUMULATED DRILLING TIME	ACCUMULATED REAMING TIME	CONDITION	REMARKS
[illegible]	[illegible]	8 5/8	W7R	44366	CON	0	70	70	5 3/4	5 3/4		221	
[illegible]	2	8 5/8	W7R	36490		70	110	40	1 1/2	6 1/2		221	
17	3	9 5/8	W7R	45008		110	140	30	[illegible]	5 1/4		221	
18	4	9 5/8	VEC	RR 1341		171	430	259	9 1/2	9 1/2		111	
18	5	12 1/4	REAMER	—		0	295	295	7 1/2	[illegible]	7 1/2		
19	6	17 1/4	REAMER	—		0	160	160	16 1/2	[illegible]	16 1/2		
19	7	24 1/2	REAMER	—		0	85	85	4		4		
21	8	8 5/8	OSC	42066		0	430		6	—	—	← CLEAN OUT	
22	9	8 5/8	OSC	42066		430	540	110	5 1/4	5 1/4		333	SAME BIT
23	10	8 5/8	VHWG	E74403		540	727	187	9 3/4	9 3/4	-	321	
24	11	8 5/8	VHWG	E04486		727	813	65	2 1/4	2 1/4			
25	12	12 1/4	REAMER	883R		353	425	72	7		7		
26	13	12 1/4	REAMER	856R		425	526	101	11 1/2	[illegible]	11 1/2		
27	14	12 1/4	REAMER	—		525	810	285	8 3/4		8 3/4		
27	15	17 1/4	REAMER	129		164	378	[illegible]	12		12		
27	16	17 1/4	REAMER	19030		378	544	166	7		10 3/4		
25	17	17 1/4	REAMER	—		544	648	104	8		8		
25	18	17 1/4	REAMER	—		648	806	158	14 1/4		14 1/4		
29	19	12 1/4	OWSV	122430		792	803	[illegible]	1 1/2		CLEAN OUT STG CSG & DRILL OUT SHOE		
29	20	8 5/8	VHWG	74406		803	911	108	1 1/2	1 1/2	[illegible]		
30	21	8 5/8	VHWGR	E74408		911	1072	161	4 1/4	4 1/4	[illegible]	232	
30	22	9 5/8	VHWG	E34372		1072	1173	101	7 1/4	7 1/4		442	
30	23	8 5/8	W7R	70104		1173	1300	127	4 1/2	4 1/2			
[illegible]	1	6 1/4	DIAMOND			1294	1303	9	6	6			
[illegible]	6	8 5/8	W7R2	3308		[illegible]	1303	9	2		2		
1	6	8 5/8	W7R2	3308		1303	1396	93	6	6			

DISTRIBUTION: WHITE - TO CALGARY OFFICE: YELLOW - TO FIELD OFFICE: BLUE - FOR FILE

SOCONY MOBIL OIL OF CANADA, LTD.

BIT RECORD

Well [illegible] B-62 Date Spudded April 16, 1965

Area Date Completed

E	BIT No.	BIT SIZE	TYPE	SERIAL No.	JET SIZE	DEPTH FROM	DEPTH TO	FOOT AGE	TIME HRS.	ACCUMULATED DRILLING TIME	ACCUMULATED REAMING TIME	CONDITION	REMARKS
[illegible]	7	8 5/8	W7R2	57053		[illegible]	150[illegible]	121	5 3/4	5 3/4		221	
2	8	8 5/8	YHW6	F84427		15[illegible]	[illegible]	[illegible]	10	10		221	
2	9	8 5/8	YHW6	E5408		[illegible]	17[illegible]	31	2	2		240	
2	10	8 5/8	YHW6	[illegible]		[illegible]	17[illegible]	8	1 1/4	1 1/4			
3	11	8 5/8	R677S	[illegible]		[illegible]	[illegible]	225	40	40			
5	12	6 1/8	Diamond	EC3513		[illegible]	[illegible]	9	3	3			
5	13	8 5/8	R67X5	83456		[illegible]	[illegible]	9	3 3/4		3 3/4		
5	13	8 5/8	"	"		2059	2146	87	34 1/2	34 1/2	[illegible]	111	
7	14	8 5/8	W7	76309		2146	2177	31	9 3/4	9 3/4		221	
7	15	8 5/8	W7	67355		2177	2182	5	3 3/4	3 3/4			
[illegible]	16	8 5/8	R67XJ	83456RR		2182	2378	196	69 1/4	69 1/4		111	
[illegible]	17	8 5/8	R67XJ	57087RR		2378	2406	29	18 1/2	18 1/2			
12	18	8 5/8	W7	63920		2406	2509	103	19 1/4	19 1/4		211	
13	19	6 1/8	Diamond	EC3513		2509	2518	9	4 1/4	7 1/4			
[illegible]	20	8 5/8	W7	63916		[illegible]	2518	9	2 1/2		2 1/2		
14	20	8 5/8	W7	63916		[illegible]	2609	91	20 1/4	20 1/4		221	
15	21	8 5/8	OWC	55222		[illegible]	2660	51	17 1/2	17 1/2			
16	22	6 1/8	Diamond	EC3513		[illegible]	[illegible]	9	5 1/4	12 1/2			
[illegible]	23	8 5/8	W7	44402		2660	2669	9	3		3		
16	23	8 5/8	W7	4402		2669	2715	46	9 3/4	9 3/4		221	
17	24	8 5/8	W7	63918		2715	2799	84	19	19		221	
18	25	8 5/8	W7	66601		2799	2881	82	24 1/2	24 1/2		211	
19	26	8 5/8	OWV	1109		[illegible]	3008	127	24 3/4	24 3/4		221	
[illegible]	[illegible]	8 5/8	W46	742766		[illegible]	3141	[illegible]	26 1/4	26 1/4		221	
[illegible]	[illegible]	8 5/8	S6	719766		3141	3220	79	16 1/2	16 1/2		221	
23	1	12 1/4	Opener	229		806	1333	527	12		12		
24	2	12 1/4	Opener	229		[illegible]	[illegible]	107	5 3/4		5 3/4	330	

[illegible]UTION: WHITE - TO CALGARY OFFICE: YELLOW - TO FIELD OFFICE: BLUE - FOR FILE

SOCONY MOBIL OIL OF CANADA, LTD.

BIT RECORD

Well CATH PT B-12 Date Spudded APRIL 14, 1965

Area _____ Date Completed JULY 8, 1965

DATE	BIT No.	BIT SIZE	TYPE	SERIAL No.	JET SIZE	DEPTH FROM	DEPTH TO	FOOTAGE	TIME HRS.	ACCUMULATED DRILLING TIME	ACCUMULATED REAMING TIME	CONDITION	REMARKS
[illegible]	3	12¼	[illegible]	239		[illegible]	[illegible]	50	2			RERAN UNDER CASING HOLE	
24	4	12¼	[illegible]	239		[illegible]	[illegible]	94	4¾			232	
24	5	12¼	[illegible]	239		1539	[illegible]	72	4½			232	
25	6	13¼	[illegible]	—		[illegible]	[illegible]	125	5½				
25	7	12¼	[illegible]	25834		1771	1951	180	7½			121	
26	8	12¼	W7	80688		1951	1910	59	5	—	5	131	
26	9	12¼	RR2	25685		[illegible]	[illegible]	127	9½		9½	121	
27	10	12¼	RR 2	14736		[illegible]	[illegible]	109	11¾		11¾	121	
27	11	12¼	[illegible]	89IR		2114	2201	55	6¼		6¼	333	
28	12	12¼	[illegible]	95R		[illegible]	[illegible]	66	6		6		
28	13	12¼	RR 2	31443		2263	2403	141	7½		7½		
28	14	12¼	RR 2	37351		2403	2495	92	9		9		
29	15	12¼	[illegible]	394R		[illegible]	[illegible]	123	7¾		7¾		
30	16	12¼	W7	122536		[illegible]	[illegible]	100	7		7	111	
30	17	12¼	[illegible]	887R		[illegible]	[illegible]	120	9½		9½	230	
1	18	12¼	[illegible]	—		[illegible]	[illegible]	58	6½		6½	333	
1	19	12¼	[illegible]	—		[illegible]	[illegible]	105	10		10	330	
1	20	12¼	[illegible]	884R		[illegible]	[illegible]	105	9¼		9¼	322	
1	21	12¼	[illegible]	—		[illegible]	[illegible]	73	6¼		6¼	330	
6	29	5⅞	SEC	437575		3220	3235	15	1¾	1¾			
6	30	5⅞	RG7XS	57090		3235	3413	178	10¾	10¾			
7	31	5⅞	DIAMOND	FC3513		3413	3452	39	7¼	17¾	[illegible]		
9	32	5⅞	[illegible]	[illegible] 57090		3452	[illegible]	392	32½	32¼			
7	33	5⅞	Diamond	FC3513		[illegible]	3850	6	1½	21¼	[illegible]		
9	34	5⅞	RG7XS	[illegible]		[illegible]	[illegible]	[illegible]	31	63¼			
11	35	6⅜	Diamond	FC3513		[illegible]	[illegible]	9	1½	22¾			

SOCONY MOBIL OIL OF CANADA, LTD.

BIT RECORD

Well: CATHY [illegible] Date Spudded: APRIL 16, 1965

Area: Date Completed: JULY 8, 1965

[illegible]	BIT No.	BIT SIZE	TYPE	SERIAL No.	JET SIZE	DEPTH FROM	DEPTH TO	FOOTAGE	TIME HRS.	ACCUMULATED DRILLING TIME	ACCUMULATED REAMING TIME	CONDITION	REMARKS
	36	8 5/8	R67X5	83454		[illegible]	[illegible]	9	1/2		1/2		
	36	8 5/8	R67X5	83454		[illegible]	5219	679	24	26		321	
13	37	[illegible]	Diamond	EC3513		5219	5228	7	1 1/4	24			
13	38	8 5/8	R67X5	83418		5219	[illegible]	9	3/4		3/4		
13	38	8 5/8	R67X5	83418		5228	5540	312	14	14			
14	39	6 5/8	Diamond	EC3513		5540	5546	6	1	25			
14	40	8 5/8	R67X5	83418RR		5540	5546	6	1 1/4		1 [illegible]		
14	40	8 5/8	R67X5	83418RR		5546	6032	486	31 1/4		45 1/4		
16	41	6 5/8	Diamond	EC3513		6032	6041	9	1	26			
16	42	8 5/8	R67X5	57095		6032	6041	9	1/4		1/4		
16	42	8 5/8	R67X5	57095		[illegible]	6473	432	21 3/4	21 3/4			
16	43	8 5/8	R67X5	57095		[illegible]	[illegible]	9	1/4		1/4		
18	43	6 5/8	Diamond ~~EC3513~~	EC3513		[illegible]	6482	9	3	29			
	44	8 5/8	R67X5	57095		[illegible]	[illegible]	9	1/2		1/2		
18	44	8 5/8	R67X5	57095		6482	6791	[illegible]	20	41 3/4		341	
19	45	6 5/8	Diamond	EC3513		6791	6800	9	1 3/4			Good	
19	46	8 5/8	R67X5	57096		6791	6800	9	1/2		1/2		
	46	8 5/8	R67X5	57096		6800	6992	192	8	8			Stuck in hole
	47	8 5/8	R67XJ	4298		6992	7016	24	3 1/4	3 1/4			Stuck in hole
							Total Depth						

(d) Mud Record

Bentonite	2246 sx.	Sawdust	581 sx.
Aquagel	234 sx.	Saltex	337 sx.
Bisard	29 sx.	Tannex	68 sx.
Barites	1856 sx.	Tuff Plug Walnut (Medium)	27 sx.
Baroid	1977 sx.	Tuff Plug Walnut (Fine)	28 sx.
Caustic	172 sx.	Tuff Plug Walnut (Coarse)	359 sx.
Cellophone Flake	520 sx.		
C.M.C.	100 sx.		
Carbonox	214 sx.		
Calcium Chloride	43 sx.		
Cement (Sacks)	1722 sx.		
Cellex (Reg.)	66 sx.		
Cellex (Hi-Visc.)	107 sx.		
Driscose	31 sx.		
Dextrial	80 sx.		
Fibertex	842 sx.		
Leather Floc	100 sx.		
Microcel "E"	26 sx.		
Peltex	210 sx.		
Plug Grit	158 sx.		
Q-Broxin	26 sx.		
Salt-Gel	126 sx.		
Sylvacel	114 sx.		

(e) Deviation Record

DEPTH	DEGREE	DEPTH	DEGREE	DEPTH	DEGREE
60'	1/4°	2145'	6°	2770'	6 1/8°
90'	0°	2170'	5 3/4°	2799'	6 1/4°
473'	1/8°	2180'	6°	2832'	6°
535'	0°	2198'	6°	2863'	5 3/4°
566'	0°	2260'	6 3/4°	2881'	5 3/4°
597'	1/8°	2300	7°	2915'	5 1/2°
629'	1/8°	2326'	7°	2946'	5 1/4°
659'	1/16°	2358'	NR	2977'	5 1/4°
970'	3/4°	2378'	7 3/4°	3008'	5°
1090'	3/4°	2390'	8°	3039'	5 1/4°
1298'	1 3/4°	2406'	8°	3068'	5°
1374'	1 3/4°	2425'	7 3/4°	3101'	5 1/4°
1500'	2°	2453'	7 5/8°	3132'	5 1/4°
1683'	2 1/4°	2483'	7°	3168'	5 3/4°
1839'	3 3/4°	2509'	7 1/8°	3196'	5 3/4°
1933'	4°	2550'	6 3/4°	3220'	NR
1990'	5°	2581'	6 1/2°	3320'	5 1/4°
2026'	5°	2608'	7°	3474'	5 1/2°
2050'	5 3/4°	2644'	6 3/4°	3813'	6 1/4°
2058'	5 1/8°	2676'	6 3/4°	4030'	6°
2090'	5 3/4°	2706'	6 1/2°	4155'	6°
2109'	5 3/4°	2715'	6 3/4°	4312'	6°
2138'	6°	2735'	6 1/2°	4468'	6 1/4°

DEPTH	DEGREE
4696'	6°
4843'	6 1/2°
4969'	6 3/4°
5180'	6 3/4°
5408'	7°
5676'	7°
6211'	7 3/4°
6496'	7 1/4°
6786'	7°

(f) Cementing Record

Plug #1 6909 - 6800 with 90 sacks, not felt

Plug #2 3300 - 3150 with 70 sacks, plus 2% $CaCl_2$ felt after 8 hours @ 3166'

(g) Lost Circulation Zones

Slight loss of circulation while drilling surface hole. Sawdust and fibrous materials were used for control.

(h) Report of Blowouts

None.

SECTION IV - Logs

Run No.	Type of Log	From	To
1	IES	305	3220
1	BHCSGR-C	305	3220
1	ML-C	305	3220
1	CDM	305	3218
1	SRS	500	2660
1	DIL	3220	6903
2	BHCSGR-C	50	6909
2	ML-C	3220	6909
2	SRS	2660	6880

SECTION V - Analysis

(a) Core Analysis

None.

(b) Water Analysis

None.

(c) Gas Analysis

None.

(d) Oil Analysis

None.

SECTION VI - Completion Summary

None.