

WELL HISTORY REPORT

CHEVRON SOBC WM N. PARKIN YT D-61

JUNE 1, 1972



R. C. RICHARDSON, P. ENG.
PROJECT MANAGER



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SECTION I - SUMMARY OF WELL DATA

a) Well Name and Number

Chevron SOBC WM N. Parkin YT D-61.

b) Permittee, Licencee or Lessee

Western Minerals Limited

c) Name of Operator

Chevron Standard Limited
400 Fifth Avenue S.W.
Calgary, Alberta
T2P 0L7

d) Location

Unit D, Section 61, Grid 66-30-137-00.

e) Coordinates

Latitude: $66^{\circ}20'12''$ N; Longitude: $137^{\circ}13'01''$ W

f) Permit or Lease Number

Permit No. 3345.

g) Drilling Contractor

Nabors Drilling Ltd., Rotary Rig #1.

h) Drilling Authority

No. 565 issued December 9, 1971.

i) Classification

Wildcat.

j) Elevations

Ground elevation - 1,585'; K.B. elevation - 1,605'.

k) Spudded

22:15 hours, January 4, 1972.

l) Completed Drilling

06:30 hours, April 17, 1972.

m) T.D. and P.B.T.D.

T.D. - 11,000'; P.B.T.D. - Surface

n) Well Status

Dry and permanently abandoned.

o) Rig Release Date

12:00 hours, May 6, 1972.

p) Hole Sizes to Total Depth

30" Hole from surface to 87' K.B.
17-1/2" Hole from 92' to 1,208' K.B.
8-3/4" Hole from 1,208' to 11,000' K.B.

q) Casing

19" O.D. conductor pipe set at 87' K.B.
13-3/8" K-55, 54.5# casing set at 1,204' K.B.

r) Engineers

H. J. Bakker
L. F. Grumbly
R. K. Connon
N. W. Bentsen
M. Rajicic

Geologist

D. Clark

SECTION II - GEOLOGICAL SUMMARY

a) Formation Tops

<u>Formation</u>	<u>Samples</u>	<u>Depth</u>	<u>Elevation</u> K.B. 1605'
Blackie	-	440'	1165'
L. Cretaceous Shale	-	732'	873'
Orange Marker	-	1066'	539'
U. Mississippian	-	1225'	380'
Tuttle	4220'	4254'	-2649'
Imperial	5070'	5264'	-3659'
Mid. Devonian Reef	7563'	7476'	-5871'
Crinoidal Platform	-	9808'	-8203'

Para. Coll. in

Total Depth 11,000'

b) Cored Intervals

<u>Core No.</u>	<u>Interval</u>	<u>Formation</u>	<u>Recovery</u>
1	995-1023'	L. Cretaceous	28'
2	1024'-1075'	L. Cretaceous	51'
3	1076'-1101'	L. Cretaceous	25'
4	7560'-7620'	Devonian	60'
5	7620'-7680'	Devonian	60'
6	7681'-7721'	Devonian	40'
7	7870'-7930'	Devonian	60'
8	8002'-8062'	Devonian	60'

c) Core Description

Core #1 995'-1023' Cut 28' Recovered 28'

Coring Times

995'	15	16	16	13	14	22	15	20	35	30
	30	40	32	50	73	14	16	17	13	19
	24	28	22	19	27	11	22	13	-	1023'

Core Description

995 -1023' Shale, dark grey, micromicaceous, with a trace of plant
28' fragments. Bedding is flat.

Core #2 1024'-1075' Cut 51' Recovered 51'

Coring Times

1024'	42	15	11	14	10	14	18	14	11	11
	15	12	11	14	11	11	11	9	9	9
	11	8	10	9	9	9	9	9	9	32
	20	37	37	23	25	10	9	10	8	14
	15	28	13	22	17	15	19	12	30	17
	30	-								1075'

Core Description

- 1024.0-1065.5 Shale, dark grey, mic-mica, fissile
41.5'
- 1065.5-1065.7 Conglomerate, one-inch chert pebbles in sandy dark-grey
0.2' shale matrix. Tight.
- 1065.7-1075.0 Sandstone, quartzose, mottled grey-brown yellow, fine
9.3' grained patchy good porosity and permeability. No hydro-
carbon show. Layers and lenses (1") of pyrite. Glauconite
common.

Core #3 1076'-1101' Cut 25' Recovered 25'

Coring Times

1076'	7	7	10	10	11	9	8	10	11	9
	9	15	8	11	13	13	14	17	10	15
	19	25	16	37	-					1101'

Core Description

- 1076.0-1101.0 Sandstone, fine grained quartzose, mottled grey-brown-
25' yellow, silty argillaceous. In part fair porosity and
permeability. Glauconite common.

Core #4 7560'-7620' Cut 60' Recovered 60'

Coring Times

7560'	9	15	14	14	10	8	11	9	12	9
	12	6	8	8	9	12	11	8	10	11
	8	9	10	9	8	10	9	11	9	8
	8	10	8	10	8	8	9	10	8	11
	10	8	11	10	10	8	12	11	11	11
	9	9	11	8	8	8	8	8	8	8 - 7620'

Core Description

- 7560.0-7560.1 Limestone, dark brown, micro-crystalline, argillaceous
0.1'
- 7560.1-7561.0 Limestone, light colored amphipora in dark brown micro-
0.9' crystalline matrix. Amphipora are white crystalline
calcite. Tight.
- 7561.0-7563.4 Limestone, dark brown micro-crystalline. Algal?
2.4'
- 7563.4-7572.5 Limestone, medium and dark brown, fine crystalline.
9.1' Fossiliferous. Thick and thin-walled brachiopod common.
- 7572.5-7574.3 Limestone, dark-brown. Amphipora limestone as above.
1.8'
- 7574.3-7576.9 Limestone, dark-brown, micro-crystalline.
2.6'
- 7576.9-7578.8 Limestone, light-brown. Amphipora limestone as above.
1.9'
- 7578.8-7580.6 Limestone, dark-brown micro-crystalline. Black shale
1.8' partings.
- 7580.6-7596.0 Limestone, dark-brown, micro-crystalline matrix with
15.4' light colored amphipora of crystalline calcite, with
occasional interbeds lacking amphipora. Occasional
stylolite partings.
- 7596.0-7601.2 Limestone, soft-rock breccia with penecontemporaneous
5.2' fracturing. Brachiopod, thick-wall.
- 7601.2-7602.2 Limestone, dark-brown amphipora limestone as above.
1.0'
- 7602.2-7607.8 Limestone, dark-brown micro-crystalline, with a 0.5'
5.6' zone of thick-wall brachiopod.
- 7607.8-7620.0 Limestone, light-brown, micro-crystalline, with scattered
12.2' thick-wall brachiopod and occasional amphipora and
solitary coral, and unidentified fragments.

Note: No porosity, oil stain, nor fluorescence in entire core.

Core #5 7620'-7680' Cut 60' Recovered 60'

Coring Times

7620'	15	16	16	14	12	13	12	11	12	12	
	12	12	13	9	12	12	12	14	11	11	
	11	12	13	16	8	9	10	9	10	10	
	8	9	7	9	8	8	10	9	8	8	
	8	8	8	8	9	10	8	10	8	8	
	9	8	7	9	9	8	10	11	10	12	- 7680'

Core Description

- 7620.0-7632.7 Limestone, light brown, micro-crystalline, with beds
12.7' variously containing scattered brachiopod and coral,
abundant amphipora, and possible algal mats.
- 7632.7-7634.1 Shale, black, sandy.
1.4'
- 7634.1-7643.7 Limestone, light brown and dark brown micro-crystalline,
9.6' with beds variously containing abundant amphipora, or
scattered coral and brachiopod.
- 7643.7-7662.7 Limestone, light brown, micro-crystalline, with amphipora
19.0' beds and brachiopod, coral, and stromatopora bearing beds.
- 7662.7-7670.4 Limestone, very light brown, micro-crystalline, with
7.7' abundant large (up to 1 foot) stromatopora.
- 7670.4-7680.0 Limestone, light brown, micro-crystalline, with amphipora,
9.6' corals, and thick-wall brachiopod.

Entire core tight; no oil stain; no fluorescence.

Core #6 7681'-7721' Cut 40' Recovered 40'

Coring Times

7681'	15	15	15	11	18	11	14	14	13	12		
	11	12	11	10	10	9	8	7	7	10		
	9	9	8	7	6	7	9	9	7	8		
	8	8	7	7	10	8	8	10	9	40	-	7721'

Core Description

- 7681.0-7690.6 Limestone, dark brown, micro-crystalline. Algal? and
9.6' amphipora.
- 7690.6-7696.9 Limestone, dark brown micro-crystalline. Large thick-
6.3' wall brachiopod, small stromatopora; gastropod.
- 7696.9-7698.2 Limestone, light brown, micro-crystalline. Amphipora 80%.
1.3'
- 7698.2-7704.0 Limestone, dark brown, micro-crystalline. Brachiopod.
5.8'
- 7704.0-7706.6 Limestone, light brown, micro-crystalline. Amphipora.
2.6'

- 7706.6-7709.8 Limestone, dark brown micro-crystalline. Brachiopod.
2.2'
- 7709.8-7712.0 Limestone, light brown micro-crystalline. Amphipora and
2.2' brachiopod.
- 7712.0-7718.0 Limestone, light brown, micro-crystalline. Very heavy
6.0' brachiopod and amphipora.
- 7718.0-7720.2 Limestone, light brown micro-crystalline. Amphipora
2.2' and stromatopora and brachiopoda.

Entire core tight; no oil stain; no fluorescence.

Core #7 7870'-7930' Cut 60' Recovered 60'

Coring Times

7870'	12	13	12	12	13	12	13	12	12	10		
	12	11	12	11	11	12	11	12	11	11		
	11	14	12	11	11	11	11	11	11	12		
	11	11	10	12	12	10	10	12	11	11		
	11	11	11	10	12	10	12	11	11	10		
	12	11	9	10	9	8	9	9	8	13	-	7930'

Core Description

7870-7930 Limestone, light brown-grey and dark brown-grey,
60' micro-crystalline. Abundant stromatopora and numerous solitary corals.

Entire core dense and tight. No oil stain, no porosity, no fluorescence.

Core #8 8002'-8062' Cut 60' Recovered 60'

Coring Times

8002'	21	16	19	18	15	14	16	15	14	14		
	12	13	13	14	12	16	15	16	14	12		
	13	11	15	15	11	14	15	13	15	17		
	17	18	16	17	16	15	18	16	18	15		
	15	16	14	15	13	12	13	15	16	21		
	19	17	16	13	14	12	13	13	14	13	-	8062'

Core Description

Entire core is dark grey micro-crystalline limestone, dense and tight with abundant white fossils. Reef. No shows. Fossil zonation is shown below.

8002.0-8005.0 barren
3.0'

8005.0-8008.0 Stromatopora, corals and brachiopod
3.0'

- 8008.0-8008.5 Colonial coral
0.5'
- 8008.5-8013.2 Amphipora
4.7'
- 8013.2-8014.5 Brachiopod
1.3'
- 8014.5-8019.1 Brachiopod, thick-wall
4.6'
- 8019.1-8019.5 Amphipora
0.4'
- 8019.5-8023.5 Brachiopod
4.0'
- 8023.5-8028.2 Amphipora
4.7'
- 8028.2-8048.1 Corals
19.9'
- 8048.1-8051.8 Amphipora, possible tabular stromatopora
3.7'
- 8051.8-8053.8 Amphipora
2.0'
- 8053.8-8055.0 Stromatopora and corals
1.2'
- 8055.0-8057.4 Amphipora
2.4'
- 8057.4-8062.0 Stromatopora and corals with overgrowing stromatopora
4.6'
- 8048.1-8051.8 Limestone, as above, with amphipora and possible
tabular stromatopora.
3.7'
- 8051.8-8053.8 Limestone, dark grey micro-crystalline with abundant
light grey amphipora.
2.0'
- 8053.8-8055.0 Limestone as above with stromatopora and corals.
1.2'
- 8055.0-8057.4 Limestone as above with amphipora
2.4'
- 8057.4-8062.0 Limestone, as above with stromatopora, and corals with
overgrowing stromatopora.
4.6'

Entire core is dense, tight. No shows.

d) Sample Description

0-100	No sample. This part of hole dug by rathole rig previously.
100-120	Shale, medium grey, micromicaceous, with trace of carbonaceous partings.
120-140	No sample.
140-170	Shale, as above. In part firm; in part weathered and soft.
170-190	Sandstone, very fine grained, poorly sorted, silty, brown tight. Slightly glauconitic.
190-200	Sandstone, as above, with clay balls.
200-210	Siltstone, argillaceous, brown. Trace of ironstone.
210-250	Siltstone and shale, as above, interbedded. Trace of sandstone, fine grained, 50% dark minerals.
250-330	Shale, dark grey, micromicaceous, with minor siltstone and very fine grained sandstone stringers.
330-370	Siltstone, salt-and-pepper, argillaceous, with dark grey shale interbeds.
370-430	Shale, dark grey, micromicaceous, with coal partings and trace of ironstone.
430-440	Sandstone, medium grained, salt-and-pepper, good porosity and permeability. Quartz grains show considerable recrystallization. No oil stain.
440-470	Sandstone, as above, fine grained, silty, fair porosity, fair permeability.
470-480	Sandstone, as above, tight.
480-490	Siltstone, clean, grey-brown, in part sandstone, salt-and-pepper.
490-520	Siltstone, grey-brown, argillaceous.
520-530	Shale, dark grey, micromicaceous.
530-540	No sample.
540-550	Shale, as above.

550-560 No sample.

560-570 Siltstone, clean quartz with tripolitic chert and trace of glauconite. Fair porosity, trace of permeability.

570-590 Shale, dark grey, micromicaceous.

590-650 Shale, as above, with siltstone interbeds.

650-690 Shale, as above.

690-720 Siltstone, brown, argillaceous, tight, micromicaceous. Visible laminar bedding.

720-800 Shale, dark grey, micromicaceous, with siltstone interbeds.

800-940 Shale, dark grey, micromicaceous, very uniform.

940-995 Shale, as above, but silty.

995-1023 Core #1 - shale, dark grey, micromicaceous.

1023-1075 Core #2 - shale, sandstone.

1076-1101 Core #3 - sandstone.

1101-1140 Sandstone, fine grained, poorly sorted, argillaceous, glauconitic. Scattered fair porosity. Some quartz recrystallization.

1140-1200 Conglomerate, chert pebbles, clear to black, in matrix of poorly sorted glauconitic sandstone. Scattered fair porosity. Trace pyrobitumen.

1200-1210 Sandstone, fine grained, well sorted, with scattered floating chert pebbles.

End of surface hole.

1210-1230 Sandstone as above.

1230-1240 No sample.

1240-1250 Indeterminate.

1250-1260 Shale, grey, poor sample.

1260-1300 No sample.

1310-1440 Shale, in part medium grey, in part dark grey, faintly micromicaceous.

- 1440-1450 Sandstone, fine grained, subangular, moderately sorted in part conglomeratic, slightly calcareous. Dry bituminous material. Trace of porosity.
- 1450-1460 Shale, medium grey.
- 1460-1470 Sandstone, as above. Trace of light colored chert conglomerate.
- 1470-1480 No sample.
- 1480-1530 Sandstone, as above. Spots of viscous tar.
- 1530-1600 Shale, medium grey.
- 1600-1650 Shale, dark grey. Ironstone common.
- 1650-1730 Shale, as above, pyritic, with floating chert pebbles. Trace coal at 1700-1730.
- 1730-4220 Shale, dark grey, pyritic, in part slickensided. Ironstone common. 3100-3160 - thin interbeds of fine sandstone. 3550-3620 - thin interbeds of fine sandstone. 4050-4100 - trace of chert conglomerate, siliceous, tight very thin bedded.
- 4220-4270 Conglomerate, chert pebbles 60%, angular. Siliceous cement. Trace of porosity; no oil stain.
- 4270-4300 Sandstone, fine grained, poorly sorted, tight.
- 4300-4730 Conglomerate, chert pebble, with varying amount of chert in range 20% to 80%. Large pieces are rounded, but general impression is angular. Scattered traces of porosity. No show of hydrocarbon.
- 4730-4770 Missed samples and 30' depth correction.
- 4770-5070 Conglomerate, as above.
- 5070-5090 Shale, dark grey.
- 5090-5120 Sandstone, fine grained, siliceous, tight, with floating chert grains.
- 5120-5140 Sandstone, as above, medium grained.
- 5140-5270 Siltstone, brown-grey, argillaceous, with sandstone and shale interbeds. 5230-5240 - fine salt-and-pepper sandstone, argillaceous, silty.
- 5270-5380 Shale, light grey and dark grey, micromicaceous, with siltstone interbeds.

- 5380-5450 Shale, dark grey and black, with siltstone, fine sandstone, interbeds, with traces of siliceous chert conglomerate.
- 5450-5810 Shale, medium and light grey, with siltstone interbeds. Micromicaceous.
- 5810-5870 Siltstone, brown grey, faintly calcareous with interbedded grey shale and fine grained sandstone.
- 5870-5900 Sandstone, fine grained, siliceous, tight with stringers of chert conglomerate.
- 5900-6040 Sandstone, brown-grey, silty and argillaceous. Tight. Stringers of siliceous chert conglomerate.
- 6040-6050 Shale, grey.
- 6050-6100 Siltstone, with shale and sandstone interbeds.
- 6100-6110 Shale, medium grey.
- 6110-6130 Siltstone, as above.
- 6130-6140 Shale, as above.
- 6140-6190 Shale and siltstone interbedded.
- 6190-6200 Sandstone, fine grained, tight, salt-and-pepper, silty and sandy.
- 6200-6220 Shale, medium grey, micromicaceous.
- 6220-6230 Sandstone, fine grained, salt-and-pepper, tight, silty, and sandy.
- 6230-6240 Shale, medium grey.
- 6240-6280 Siltstone, with sandstone stringers and a trace of chert conglomerate. Trace of dolomite cement.
- 6280-6290 Shale, dark grey, micromicaceous.
- 6290-6300 Siltstone, as above.
- 6300-6310 Shale, as above.
- 6310-6320 Sample missing.
- 6320-6380 Shale, dark grey, micromicaceous, with siltstone and fine sandstone interbeds.

- 6380-6400 Siltstone, with scattered chert pebbles.
- 6400-6410 Sandstone, fine grained, greywacke, with scattered chert pebbles.
- 6410-6450 Siltstone, argillaceous, slightly dolomitic, with shale interbeds. Scattered chert pebbles.
- 6450-6510 Sandstone, fine grained, greywacke, argillaceous, with shale and fine sandstone interbeds.
- 6510-6600 Shale, dark grey, micromicaceous, siltstone stringers. Siltstone has dolomitic cement.
- 6600-6610 Siltstone, argillaceous, with shale interbedded.
- 6610-6690 Shale, dark grey micromicaceous, with interbedded siltstone.
- 6690-6700 Sandstone, as above.
- 6700-6870 Shale, dark grey with minor siltstone stringers.
- 6870-6880 Sandstone, very poorly sorted, chert pebbles, argillaceous, tight, with dolomite cement.
- 6880-6900 Sandstone, as above, trace of porosity, no cement. No show of hydrocarbon.
- 6900-7050 Siltstone, brown-grey, with scattered chert pebbles. Trace of dolomitic cement. Shale stringers.
- 7050-7110 Shale, medium grey, micromicaceous.
- 7110-7190 Siltstone, dark grey, with scattered chert pebbles. Trace of dolomitic cement.
- 7190-7210 Shale, medium grey, micromicaceous.
- 7210-7250 Siltstone, as above.
- 7250-7300 Sandstone, medium grained, black, argillaceous, poorly sorted, with occasional shale interbeds. Trace of dolomitic cement.
- 7300-7410 Shale, dark grey, silty and sandy. Occasional abundant pyrite.
- 7410-7480 Shale, dark grey to black, occasionally abundant pyrite.
- 7480-7510 Shale, as above, with stringers of dark brown pelletal, micro-crystalline limestone.

- 7510-7530 Limestone, dark brown, micro-crystalline, faintly pelletal, with some light brown to white sparry calcite.
- 7530-7560 Limestone, dark brown micro-crystalline and light-brown earthy, suggestion of organic structures (algal? amphipora?)
- 7560-7721 See core description.
- 7720-7870 Limestone, light brown, micro-crystalline, very fossiliferous.
- 7870-7930 See core description.
- 7930-7950 Limestone, light brown-grey, micro-crystalline, very fossiliferous.
- 7950-7980 Limestone, as above. 1% primary porosity filled with pyrobitumen.
- 7980-8000 Limestone, as above, tight.
- 8002-8062 See core description.
- 8062-8190 Limestone, light grey and dark grey, micro-crystalline, very fossiliferous stroms, amphipora.
- 8190-8250 Limestone, as above, decreasing fossil concentration, trace of chert from 8220.
- 8250-8350 Limestone, light brown crypto-crystalline, nonfossiliferous, trace chert 8050-8060.
- 8350-9590 Limestone, light brown, micro-crystalline and dark brown, crypto-crystalline, slightly argillaceous and bituminous. Varying amounts of brown, nonsoluble organic residue. Rare crinoid including two-holer.
- 9590-9830 Limestone, medium brown, micro and crypto-crystalline. In part (up to 30%) dolomitized, fine crystalline. Increased drilling rate indicates possibly minor fracture porosity.
- 9830-10,620 Limestone, medium brown, varying from light to very dark brown. Much insoluble organic residue, some argillaceous material. Rare crinoid.
- 10,620-10,720 Dolomite, light brown micro-crystalline, with a trace of intercrystalline porosity which is plugged with pyrobitumen. Slightly limey.
- 10,720-10,880 Dolomite, as above, no porosity.

10,880-11,000 Dolomite, light brown, micro-crystalline, with trace of intercrystalline porosity, mostly plugged with pyrobitumen, but in part open. Permeability poor.

TD - 11,000'

e) Paleontological Determinations

Surface to 1,032 - Upper Albian
1,190 to 1,210 - ?Lower to Middle Albian
1,224 to 1,706 - Upper Mississippian (cf. Meramec)
5,083 to 5,089 - Late Devonian or Early Mississippian

c) Bit Record

See attached Bit Record Sheet.

d) Mud Report

Surface Hole: the 17-1/2" surface hole was drilled from 87' K.B. to 1,101' K.B. using stable foam. At this time the hole was displaced to mud and the surface hole was deepened to 1,210' using a 12-1/4" pilot bit. The hole was reamed to 17-1/2" from 1,101' to 1,208' K.B. The following materials were used on surface:

Sulfotex Sal	14 drums
Gel	236 sax
Caustic	4 sax
Bicarbonate of Soda	1 sax
Fibertex	14 sax
Aluminum Stearate	2 boxes
Sawdust (rig floor)	70 sax

Main Hole: the 8-3/4" main hole was drilled from 1,204' to 11,000' K.B. using an XC polymer mud system. The following materials were used on the main hole:

Gel	2,034 sax
Wt. Material	2,336 sax
Caustic	155 sax
Bicarbonate of Soda	13 sax
Kelzan	293 sax
Dowicide "B"	1,200 lbs.
CMC	102 sax
Chrome Alum	19 sax
Sawdust (rig floor)	100 sax
Plaster	15 sax
Spersene	26 sax

e) Deviation Record

165-1/8°	910-0°	1522-1°	2747-1-1/2°	3909-1°	5190-1-1/4°
196-0°	995-3/8°	1612-1°	2804-1°	4033-1-3/4°	5385-1°
444-1/4°	1024-1/4°	1710-1°	2895-1°	4148-1-1/2°	5411-2-1/4°
507-7/8°	1073-1/8°	1800-1/2°	2987-2°	4336-2°	5434-1-1/2°
538-1/2°	1100-7/8°	1896-1/2°	3055-2°	4426-1°	5479-1-1/2°
570-7/8°	1130-1/2°	2051-1°	3141-1-1/2°	4470-1-1/2°	5545-3°
600-1/2°	1161-1°	2208-1°	3260-1°	4610-1-1/4°	5569-3-1/4°
660-1/4°	1192-1/2°	2360-1-1/2°	3385-0°	4737-1-1/2°	5600-4°
724-1/4°	1210-3/4°	2451-1°	3539-3/4°	4917-1-1/2°	5628-3-1/2°
790-0°	1304-1°	2621-1-1/2°	3692-1-3/4°	5040-2-1/2°	5660-2-1/2°
853-1/8°	1366-1/4°	2682-2°	3885-1-1/4°	5080-2°	5722-3°

e) Deviation Record Continued:

5787-2-1/8°	6442-2-1/4°	7159-3°	7681-1°	8915-1°
5849-1-3/4°	6501-1°	7189-2-3/4°	7870-2°	9106-1/2°
5929-1/2°	6613-2-1/2°	7221-3°	8002-1°	9168-7/8°
6003-2°	6690-1/2°	7284-3°	8093-1°	9670-1-1/4°
6046-1/2°	6784-1/4°	7327-2-1/4°	8228-1°	9790-3/4°
6126-7/8°	6853-1/2°	7413-2°	8351-1-3/8°	10254-1/2°
6222-1/4°	7000-1°	7507-2°	8590-1/2°	10740-3°
6300-1-1/4°	7125-2-3/4°	7620-1-1/2°	8757-1°	11000-4°

f) Abandonment Plugs

Plug #1 (11,000'-10,750') 135 sax Type I cement + 1% retarder.
Plug #2 (7,922'-7,700') 130 sax Type I cement.
Plug #2A (7,700'-7,558') 80 sax Type I cement.
Plug #3 (4,380'-4,280') 75 sax Type I cement.
Plug #4 (1,280'-1,150') 125 sax Type I cement plus 3% CaCl₂.
Plug #5 (Surface Casing) 5 sax Type I cement.

g) Lost Circulation Zones

No lost circulation.

h) Report of Blowouts

No kicks or blowouts on this well.

SECTION IV - LOGS

The following Schlumberger logs were run on surface hole on January 19, 1972.

Dual Induction Laterolog	(0' - 1,201')
BHC/GR	(0' - 1,201')
FDC/GR	(0' - 1,202')
Microlog Caliper	(0' - 1,202')

The following Schlumberger logs were run on main hole on April 29-30, 1972.

Dual Induction Laterolog	(1,200' - 11,000')
BHC Sonic/Gamma Ray/Caliper	(1,200' - 11,000')
SNP	(4,200' - 5,300') (7,500' - 11,001')
Formation Density Compensated	(4,200' - 5,300') (7,450' - 10,999')

Ran sidewall cores 15 shots. Recovered 13 as follows:

7,469'	1,552'
5,089'	1,405'
5,083'	1,342'
1,706'	1,282'
1,683'	1,240'
1,681'	1,224'
1,605'	

SECTION V - ANALYSIS

a) Core Analysis

Core analysis enclosed in back folder.

b) Water Analysis

Water analysis enclosed in back folder.

c) Gas Analysis

No gas analysis.

d) Oil Analysis

No oil analysis.

SECTION VI - COMPLETION SUMMARY

a) Tubing Record

No tubing run.

b) Perforation Record

No perforations.

c) Cementation Record

Abandonment Plug #1 (11,000'-10,750')

Cemented with 135 sax Type I cement plus 1% retarder. Cement in place at 14:50 hours, May 3, 1972. No feel on Plug #1.

Abandonment Plug #2 (7,922'-7,700')

Cemented with 130 sax Type I cement. Cement in place at 19:25 hours, May 3, 1972. Felt Plug #2 at 7,675' at 04:00 hours, May 4, 1972.

Abandonment Plug #2A (7,675'-7,558')

Cemented with 80 sax Type I cement. Cement in place at 05:45 hours, May 4, 1972. No feel on Plug #2A.

Abandonment Plug #3 (4,380'-4,280')

Cemented with 75 sax Type I cement. Cement in place at 08:45 hours, May 4, 1972. Felt Plug #3 at 4,260' at 17:45 hours, May 4, 1972.

Abandonment Plug #4 (1,280'-1,150')

Cemented with 125 sax Type I cement plus 3% CaCl₂. Cement in place at 18:45 hours, May 5, 1972. Felt Plug #4 at 1,120' at 03:15 hours, May 6, 1972.

Abandonment Plug #5 (Surface Casing)

Cemented 5 sax Type I cement in the top of the 13-3/8" casing. Welded on steel plate and installed well sign.

d) Acidization and Fracturing Record

No acidizing or fracturing operations.

e) Back Pressure and Production Tests

No back pressure or production tests.