

SYNTANA Drill Hole 5YN1
 Location SEC 16 T9S R25E Lindero Co UT
WELL 845FEL

Collar Elevation 5890'
 Total Depth 1372.6
 Drilled 1070' - 1100'

Page 4 of 14

Logged By CRB

Recovery				Core Run		Depth	Yield			Spent Shale	Description	REMARKS: A - NAT. FRAC.
RQD		Total		Ft	Min		g/t					
%	Ft. ≥ 4"	%	Ft								%	
						1070.0	0.1	ENT	H ₂ O		START RUN #1 (10')	
						1071.0	19.2	1.0	1.9	90.1	Oil SHALE - natural beds platted -	
						1072.0	13.7	1.0	1.4	92.9	thinly - laminated	
						1073.0	10.1	1.0	1.4	94.5	90° to CIA -	
						1074.5	8.2	1.5	1.2	94.5	(USED SPLIT INNER BARREL)	
						1075.5	9.1	1.0	1.7	95.0	4 - in. (.1 - .4" tuff stringers) 1075.4 - 76.0 (oil)	
						1076.3	18.0	0.8	2.2	90.2	tuff and oil shale (WAVY ZONE) 1075.3 - 79.1 (oil)	
						1077.7	12.6	1.4	6.7	91.3		
						1079.2	12.0	1.5	7.7	90.5	laminations 70° to CIA	
97.0	9.7	100	10'	10	60						2 short vertical perfect fractures 4.5" STOP RUN #1	
						1080.4	12.6	1.2	2.9	93.2	2 1/2' of natural bedded oil shale 80°-90° to CA	START RUN #2
						1081.7	12.3	1.3	2.9	93.4	dk yellowish br thinly laminated oil shale	
						1082.7	15.8	1.0	2.4	91.5	dk greenish br " " " 85°-90° to CA	
						1083.7	16.6	1.0	1.9	91.6	" " " " " 85°-90° to CA	
						1084.7	15.1	1.0	1.7	91.8	dusky " " " " " do CA (split inner barrel used)	
						1085.5	27.0	0.8	2.2	86.9	" " " " " " (No breaks in barrel)	
						1086.5	14.2	1.0	1.7	92.5	1/2" tuff block 1086.1 " " " " " "	
						1088.0	11.1	1.5	1.7	94.0	1/2" tuff bed 1087.2 " " " " " "	
						1089.1	9.1	1.1	1.7	95.3	" " " " " " " "	
						1090.5	5.8	1.4	1.0	95.7	dk " " " " " " " "	
						1091.6	12.8	1.1	1.4	93.4		START RUN #3 (20')
						1092.7	14.8	1.1	1.7	92.7	Dusky brown - grayish brown - to well below (No parting)	
						1093.8	11.0	1.1	1.9	93.7	oil shale 1093.2 to 90° to CA	
						1094.8	6.9	1.0	1.9	96.1		
						1096.4	9.0	1.6	1.7	94.9		
						1097.2	8.0	0.8	2.4	94.8		
						1098.4	5.0	1.2	1.9	96.6		
						1099.7	16.2	1.3	2.2	91.8		

START RUN #1 (10')

OIL SHALE - natural breaks plotted -
 thinly - laminated
 90° & CIA
 (USED SPLIT INNER BARREL)

4 - 1/2" (1 - 1/4" tuff stringers) 1075.4 - 76.0 (oil)
 tuff and oil shale (WAVY ZONE) 1075.3 - 79.1 (oil)

laminations 70° & CIA

2 short vertical cracks for core 4.5' STOP RUN #1

dk yellowish br thinly laminated oil shale 80°-90° to CA START RUN #2

dk yellowish br " " " 85°-90° to CA

" " " " " 85°-90° to CA

dk " " " " " to CA (split inner barrel used)

" " " " " " (No breaks in core)

1/2" tuff blob 1076.1 " " " " "

3/4" tuff bed 1077.2 " " " " "

" " " " " " "

dk " " " " " " "

" " " " " " "

" " " " " " "

dk " " " " " " "

" " " " " " "

" " " " " " "

Dusky brown - grayish brown - to 100° to CA (No breaks in core)

thinly laminated oil shale 1090° to CA

SYNTANA Drill Hole SYN-1Collar Elevation 5390Page 5 of 14Location SEC 16 T9S R25E Uintah Co, UTTotal Depth 1372.6400' FILL 845 FELDrilled 1100 - 1130Logged By CWB

Recovery				Core Run		Depth	Yield			Spent Shale	Description
RQD		Total		Ft	Min		g/t				
%	Ft	%	Ft				Oil	INT	H ₂ O	%	
						1101.5	13.9	1.8	1.7	92.9	Dusty brown - gray, brown - dk yellowish brown thinly laminated oil shale 85°-90° local
						1102.9	8.7	1.4	1.2	95.3	
						1104.3	10.2	1.4	1.2	93.7	
						1104.8	23.1	0.5	1.4	97.5	
						1105.8	35.9	1.0	4.3	80.6	
						1106.5	16.0	0.7	1.2	91.6	
						1107.5	10.4	1.0	1.7	93.8	
						1108.6	14.1	1.1	1.9	92.2	
17.6		17.6		20	76	1110.0	15.3	1.4	1.9	91.8	END RUN#3 (20')
						1111.3	14.4	1.3	1.4	92.0	dark to dusky yellowish brown oil shale thinly laminated 85°-90° local 1/2" thin streaks at 1112.5
						1112.3	15.3	1.0	1.4	91.4	
						1112.9	23.2	0.6	1.9	88.6	
						1113.9	23.9	1.0	1.9	88.1	
						1114.9	14.8	1.0	1.2	92.3	pale yellowish orange oil shale thinly laminated 85°-90° local dusky brown dark yellowish brown pale yellowish brown
						1116.3	16.6	1.4	1.2	91.1	
						1117.7	39.1	1.0	2.9	79.9	
						1118.1	17.1	1.0	1.0	93.7	
						1119.1	22.1	1.0	1.0	95.0	3 1/4" zone of 1/2" thin streaks dk yellowish brown to red END RUN#4 (20')
						1120.1	1.1	1.0	1.0	95.9	
						1121.1	1.1	1.0	1.0	95.0	
						1122.6	3.1	1.0	1.7	95.3	
						1123.6	6.1	1.0	1.7	94.3	
						1124.6	9.6	1.0	1.7	96.8	
						1125.5	2.9	1.2	1.0	96.8	
						1126.8	5.8	1.0	1.0	96.9	
						1127.8	4.1	1.0	1.2	97.4	
							0.9	1.0	0.7	97.5	

SYNTANA Drill Hole SYN-1Collar Elevation 5890'Page 6 of 14Location 4 1/2 mi. E 845 FEL SEC 16, T9S, R2SETotal Depth 1372.6Drilled 1130' - 1160'Logged By CRB

Recovery				Core Run		Depth	Yield			Spent Shale	SAMPLES for ROCK PROPERTIES TESTING 'X' for Brigham Description 'Q' for Compression	
RQD		Total		Ft	Min		g/t					
%	Ft	%	Ft				0.1	INT	H ₂ O	%		
						X	1130.8	3.3	1.0	1.2	96.9	START RUN 115 Bottom A groove dusky brown oil shale thinly laminated 85°-90° to CH,
						X	1131.8	4.6	1.0	1.4	96.7	
						X	1133.0	16.0	1.2	1.9	91.7	
						X	1134.3	13.2	1.3	2.4	92.7	end of bedding 1136.8-1135.3 Tuff 1136.8-1137.2 False Tuff marker
						X	1134.8	19.3	0.5	3.7	89.4	
						X	1135.8	38.5	1.0	3.6	80.5	
						X	1136.6	16.8	0.8	2.4	91.2	start of bedding 1137.2-1140.7 tuff 1140.7-1140.9 oil 1140.4-1141.5 1141.5-1142.8 thin tuff beds (oil)
						X	1137.3	9.7	0.7	6.2	92.2	
						X	1138.4	15.3	1.1	3.1	91.2	
						X	1139.5	12.3	1.1	2.6	93.2	Tuff 1144.9-1145.4, 1145.4-1146.1 tuff 1146.1-1146.3
						X	1140.5	14.6	1.0	2.9	90.2	
						X	1141.6	25.1	1.1	3.8	86.6	
						DX	1142.6	30.4	1.0	3.1	84.5	vert. section fracture 1153.3-1153.6 tuff bed (oil shale) 1155.2-1155.3 thin tuff bed 1155.4-1155.7 (oil shale) open
						DX	1143.6	21.6	1.0	1.9	89.4	
						DX	1144.6	30.6	1.0	2.2	85.6	
						DX	1145.3	34.1	0.7	3.6	82.7	
						DX	1145.8	44.7	0.5	4.3	77.8	
						DX	1146.9	28.8	1.1	2.4	86.4	
						X	1148.1	22.3	1.2	2.2	89.1	
						X	1149.2	19.6	1.1	2.4	89.9	
						X	1150.0	11.2	0.8	2.2	93.7	
						DX	1150.9	12.9	0.9	1.9	93.1	
						DX	1151.8	23.6	0.9	2.4	87.4	
						DX	1152.7	19.9	0.9	2.4	89.6	
						X	1154.0	11.6	1.3	2.6	93.5	
						MM	1155.4	14.7	1.4	2.2	92.2	
						MM	1155.8	17.7	0.4	2.6	88.2	
						X	1156.8	12.8	1.0	1.2	93.5	
						X	1158.0	10.8	1.2	1.9	94.2	
						X	1159.4	15.0	1.4	1.0	92.9	

SYNTANA Drill Hole

54H-1

Collar Elevation

5890'

Page

7

of 14

Location

Loc 16, T9S R25E Uindob Co. W

4.5 FNL 345 FCL

Total Depth

1372.6

Drilled

1160' - 1190'

Logged By

CMB

Recovery				Core Run		Depth	Yield			Spent Shale	Description
RQD		Total		Ft	Min		g/t				
%	Ft	%	Ft				O.I	INT	H ₂ O		
						1160.4	20.5	1.0	1.7	90.3	Brown oil shale, thinly laminated 85°-90°-beds (1160.0-214" of interval at 400')
						1161.4	45.2	1.0	3.4	77.5	
						1162.6	23.9	1.2	2.2	87.4	
						1163.8	22.6	1.2	1.2	89.1	1/4" to 1" beds @ 1164.2-3
						1164.8	15.1	1.0	1.2	91.5	
						1165.3	24.3	0.5	1.2	88.1	
						1166.4	28.0	1.1	1.4	86.6	0.1' thick to 1/4" @ 1166.2-1166.3 1/2" thick to 1/4" @ 1167.4-1167.44 contorted bedding 1167.4-1167.1
						1167.4	39.6	1.0	3.6	80.1	
						1168.5	31.2	1.1	2.2	85.1	
						1169.7	62.7	1.2	2.6	70.6	END RUN
						1170.7	35.7	1.0	4.1	81.0	
						1172.2	64.7	1.5	2.6	68.7	
						1173.2	54.6	1.0	2.4	73.2	Brown oil shale, thinly laminated 85°-90° 1170.7-1172 thin to 1/4" beds mostly 1/4" thick 1170.7-1173.0 contorted bedding 1176.7-1176.1 Very fine (spn)
						1174.2	46.5	1.0	1.7	77.6	
						1174.8	28.6	0.6	1.4	85.7	
						1175.8	48.8	1.0	1.4	77.1	1176.7-1176.8' to 1/4" bed (oil)
						1176.8	39.5	1.0	1.0	80.4	
						1177.8	21.3	1.0	1.2	89.3	
						1178.9	17.8	1.1	1.7	91.0	

1181.0	19.0	1.0	1.7	91.1
1183.0	50.7	1.0	1.7	89.5
1184.0	18.5	1.0	1.9	89.7
1185.0	20.0	1.0	1.7	78.0
1186.0	46.4	1.2	1.4	84.3
1187.2	32.9	1.0	1.0	81.2
1188.2	27.1	1.0	1.0	81.2

1188.4 - 1188.5' to 1/4" bed (oil)

YNTANA Drill Hole SYN-1

Collar Elevation 5890

Page 9 of 14

Location 4000 L. 3000 E. 3000 N. 3000 W. 3000 S. 3000 E.

Total Depth 1372.6'

Drilled 1190 - 1220'

Logged By C.B.

Recovery				Core Run		Depth	Yield			Spent Shale	Description
RQD		Total		Ft	Min		g/t				
%	Ft	%	Ft				O.I	INT	H ₂ O		
						1190.5	21.0	1.3	1.0	90.0	BROWN THINLY LAMINATED 55-60% to CA OIL SHALE 1" to 1 1/2" bed
						1191.7	24.1	1.2	1.2	89.1	
						1192.7	38.4	1.0	1.9	81.7	
						1193.8	16.3	1.1	1.4	91.6	
						1194.8	16.0	1.0	1.2	91.6	1194.8: 1/2" to 1" bed
						1195.8	14.6	1.0	1.2	92.3	
						1196.4	25.1	0.6	1.2	87.6	
						1197.6	45.0	1.2	2.9	78.0	1197.6: 1" to 1 1/2" bed
						1198.6	20.6	1.0	1.9	89.3	1197.9: 1/2" to 1" bed
						1199.6	12.0	1.0	2.4	93.0	
						1200.6	11.8	1.0	1.4	93.8	
						1201.6	10.0	1.0	1.2	94.1	
						1202.6	18.8	1.0	1.4	90.7	
						1203.6	34.4	1.0	1.9	83.7	
						1204.6	37.0	1.0	1.7	82.7	
						1205.6	30.2	1.0	1.7	85.8	
						1206.6	24.3	1.0	1.7	88.1	
						1207.9	22.5	1.2	1.7	88.6	
						1208.4	26.1	0.6	2.2	87.0	
						1209.3	34.5	0.9	2.6	83.2	
						1210.7	21.1	1.4	2.6	89.0	
						1211.6	19.9	0.9	2.2	89.2	
						1212.6	14.1	1.0	1.9	92.5	BROWN oil shale, thinly laminated 55-60% to CA, 1/4" to 1/2" bed @ 1213.1
						1213.7	9.8	1.1	1.7	94.5	
						1214.9	16.5	1.2	1.9	91.3	1/2" to 1" bed @ 1215.3 & 1215.4 (oil)
						1215.7	25.8	0.8	3.6	86.7	
						1216.7	25.7	0.8	3.6	86.7	
						1217.7	25.7	0.8	3.6	86.7	
						1218.7	25.7	0.8	3.6	86.7	
						1219.7	25.7	0.8	3.6	86.7	
						1220.7	25.7	0.8	3.6	86.7	

SYNTANA Drill Hole

SYN - 1

Collar Elevation

5890'

Page 9

of 14

Location

Sec 16, T4S R25E

Total Depth

1372.6

Drilled

1220 - 50'

Logged By

CRB

Recovery				Core Run		Depth	Yield			Spent Shale	Description
RQD		Total		Ft	Min		g/t				
%	Ft	%	Ft				O.I	INT	H ₂ O	%	
						1220.9	12.0	1.0	1.7	92.9	1/4" tuff bed @ 1220.7'
						1221.5	19.5	0.6	1.2	89.6	1/4" tuff bed @ 1221.7'
						1223.0	8.2	1.5	3.8	94.5	1/5" tuff bed @ 1222.2-1222.5 (oil) LINTY Tuff Marker
						1224.4	13.1	1.4	2.2	92.6	3/4" tuff bed @ 1224.1
						1225.4	26.9	1.0	1.7	86.7	1/2" tuff blobs @ 1224.3 (oil) 1/3" bed @ 1225 (oil)
						1226.4	11.9	1.0	0.7	93.3	1/5" tuff bed @ 1226. (oil)
						1227.6	10.0	1.2	1.0	94.6	
						1229.1	7.7	1.5	1.0	96.1	1/4" tuff bed @ 1229'
						1229.5	1.5	1.9		88.8	two Vert forst frags @ 1228.7-1229.2
18.1		20.6		20.0	70	1231.6	42.4	1.0	2.9	80.0	
						1232.6	14.4	1.0	2.2	92.4	@ 1232.0 1/4" tuff
						1233.8	8.3	1.2	2.6	94.8	@ 1232.5 2 1/8" tuffs
						1235.4	4.0	1.2	2.6	96.6	@ 1235.4 1/4" tuff bed
						1236.0	4.7	1.0	3.1	96.3	BROWN L SILICE THINLT LUMINATE ~85°-90° to CA,
						1237.0	5.6	1.0	3.1	95.7	
						1238.1	17.6	1.1	2.6	90.3	
						1238.8	31.9	0.7	4.1	83.6	
						1239.8	1.6	1.0	6.7	94.3	
						1240.5	26.5	0.7	2.4	86.4	
						1241.6	15.5	1.1	2.6	91.4	
						1242.7	23.7	1.1	3.6	86.8	
						1243.5	5.6	1.0	2.6	95.0	
						1244.2	7.2	1.4	2.6	95.0	
						1250.1					

SYNTANA Drill Hole SYN-1Collar Elevation 5880Page 11 of 14Location Sec 16 T9S R25ETotal Depth 1372.6Drilled 1280-1310'Logged By CRB

Recovery				Core Run		Depth	Yield			Spent Shale	Description
RQD		Total		Ft	Min		Oil	INT	H ₂ O		
%	Ft	%	Ft								
						1279.6					
						1281.1	2.6	1.1	2.2	97.7	
						1282.2	2.2	1.1	2.9	97.8	
						1283.3	1.5	1.1	2.6	97.8	
						1284.3	2.4	1.0	3.1	97.3	
						1285.3	3.3	1.3	2.2	97.3	contorted bedding @ 1285.5
						1286.7	2.9	1.1	2.6	97.2	
						1287.8	1.9	1.1	2.9	97.8	
						1288.8	3.0	1.0	3.6	96.9	@ 1285.5 45° to CH Frac (dies out in core)
						1289.8	2.2	1.0	1.4	98.1	@ 1287.3 45° to CH Frac
						1290.1					@ 1290.1 & @ 1291.1 white mineral-filled vugs
						1291.1	7.6	1.3	1.2	95.4	1290 Bottom B groove
16.7		17.6		70	80	1292.1	5.7	1.0	1.7	96.3	END RETURN AT CORE RUN 1292.3' END RUN
						1293.1	7.3	1.0	2.2	95.6	1290-1300 OIL SHALE thinly laminated 85-90% oil
						1294.1	19.0	1.0	1.7	90.3	1292.1: 1/2" tuff bed @ 1292.2: 3/4" tuff bed
						1295	15.2	1.0	1.7	92.0	vugs in tuff with white mineral (1/16" vugs)
						1296.4	42.5	1.3	3.6	98.2	tuff bed @ 1292.9-93.0 contorted bedding 1292.1-4
						1297.7	13.3	1.3	2.2	93.0	1/4" tuff bed @ 1295.4 1/4" bleb @ 1295.3
											1/3" bleb @ 1296.0 3/4" tuff bed @ 1300.8
						1299.0	9.4	1.3	1.7	94.1	Contorted bedding 1300.4-.8.
						1300	15.7	1.3	1.7	91.6	
						1301.7	39.2	1.4	4.1	80.5	
						1302.7	22.8	1.0	1.9	88.7	2" tuff bed @ 1303.0-.15 (oil)
						1303.7	13.5	1.0	3.4	92.3	
						1304.8	9.8	1.1	2.2	94.8	
						1305					@ 1305.1 1/2" tuff @ 1305.8-1306 is pinkish tuff
						1306.0	10.1	1.2	2.4	94.2	
						1307.0	15.7	1.0	2.2	91.5	
						1308.1	12.6	1.1	1.2	93.6	
						1309.1	8.0	1.0	1.2	95.7	
						1310	4.6	1.1	3.1	96.1	@ 1310.0-.1 tuff bed (oil)

SYNTANA Drill Hole SYN-1

Collar Elevation 5890'

Page 12 of 14

Location S-16 T9S R25E Uintah Co, UT

Total Depth 1372.6

Drilled 1310 - 40'

Logged By CRB

Recovery				Core Run		Depth	Yield			Spent Shale	Description
RQD		Total		Ft	Min		g/t				
%	Ft	%	Ft				Oil	Int	H ₂ O		
						1310	0.1	Int	H ₂ O	0%	
	19.2		20.5	20.1	130	1311.2	3.0	1.0	1.7	97.6	contorted bedding 1310.2-1311
						1312.3	4.9	1.1	2.2	96.5	END OF RUN 13 @ 1312.4
						1313.6	14.2	1.3	2.4	91.8	
						1315	8.3	1.5	2.4	94.5	BROWN OIL SHALE THINLY LAMINATED 25°-90° to CA
						1316.3	16.5	1.2	4.1	90.3	@ 1312.7: 1/3" tuff bed (oil & frags)
						1317.3	30.0	1.0	4.3	83.5	@ 1313.8: 1/2" tuff bed (oil)
						1318.3	11.4	1.0	1.7	92.9	@ 1314.1: 1/8" tuff bed (oil) @ 1315.5: 1/8" tuff bed (oil)
						1319.6	8.3	1.3	1.4	94.9	@ 1317: two 1/8" tuff blebs (oil) @ 1317.1: 1" tuff bed (oil)
						1320					
						1321.0	18.4	1.4	2.2	90.3	@ 1322.2 contorted bedding
						1322.4	11.4	1.4	3.1	91.8	
						1323.1	7.6	0.7	2.2	94.8	
						1324.2	11.7	1.1	2.6	93.0	@ 1325.5: 1/4" tuff bed (oil)
						1325	13.8	1.2	2.9	91.6	@ 1326.5 - 1327.3: block tuff breccia (oil)
						1326.5	19.3	1.1	5.3	87.8	FRACS @ 70°-90° to CA @ 1326.6 & 1327.2
						1327.3	4.2	0.8	16.3	89.7	contorted bedding above & below frags
						1327.7	30.1	0.4	4.3	83.8	@ 1328.6: 1/4" tuff bed (oil)
						1329.0	8.3	1.3	2.9	94.2	
						1330	14.3	1.1	2.9	91.5	1330.6 - 1331.0: zone of thin tuff beds & blebs
						1331.0	48.7	0.9	3.8	75.9	largest is 1/2"
						1331.5	20.8	0.5	5.3	88.2	1331.0 - 1331.4: tuff @ 1332.4 END RUN 14
						1332.5	82.0	1.0	2.4	86.7	
						1333.5	17.6	1.0	2.9	90.4	BROWN THINLY LAMINATED OIL SHALE 25°-70° to CA
						1334.8	38.1	1.3	3.4	80.6	1" tuff bed (oil) @ 1334.8
						1335					FRACURE (11 to CA) @ 1335.6 - 1335.7
						1336.2	2.0	1.4	2.2	95.4	@ 1335.2: 1/4" tuff bed (oil)
						1336.9	24.4	0.9	3.4	86.7	@ 1337.7: 1/4" tuff bed
						1337.8	11.2	0.9	3.1	92.8	
						1338.7	34.1	1.1	4.1	82.4	1338.0 - 38.8 contorted bedding 1338.7-1338.8: thin tuff beds
						1339.9	2.9	1.0	2.9	97.2	
						1340	20.1	1.0	2.9	84.7	

WYNTANA Drill Hole SYN-1
 Location Sec 16 T9S R25E 400' FNL 845' ECL

Collar Elevation 5890'

Page 13 of 14

Total Depth 1372.6

Drilled 1340' - 1370'

Logged By CRB

Recovery				Core Run		Depth	Yield			Spent Shale	Description
RQD		Total		Ft	Min		Oil	INT	H ₂ O		
%	Ft	%	Ft								
						1340				0%	
						1342.3	13.9	1.4	4.1	91.2	@ 1340.4' 1/4" tuff bed
						1343.8	32.6	1.5	4.3	82.5	@ 1341.7' 1/8" tuff bed
						1344.5	9.1	0.7	3.4	93.5	@ 1342.7' 1/4" tuff bed (oil)
						1345	12.5	0.6	4.8	91.8	
						1346.0	4.1	0.9	2.4	96.2	@ 1346.3' 3/8" tuff bed (oil)
						1346.7	18.2	0.7	3.6	89.6	
						1347.7	28.4	1.0	3.8	85.3	
						1348.7	20.9	1.0	5.8	82.6	
						1349.8	18.1	1.1	3.8	90.2	
						1350	28.9	1.0	4.6	84.6	
						1351.9	11.6	1.1	3.6	93.0	
14.8		20.2		20.2	90	1352.6	8.2	0.7	3.1	94.4	END RUN #15 @ 1352.6'
						1353.2	5.4	0.6	3.8	95.7	
						1354.2	2.8	1.0	5.0	96.4	BROWN OIL SHALE THINLY LAMINATED, 85°-90° to CA
						1355	2.9	1.1	5.8	95.1	
						1356.3	2.3	1.0	5.0	95.2	From 1352.6 - 1358.0 numerous microfractures
						1357.3	2.4	1.0	5.5	94.6	at orientations from horiz. to vertical filled
						1358.4	3.3	1.1	4.8	95.6	with black hydrocarbon solids.
						1359.4	3.7	1.0	2.9	96.9	@ 1356.4: black hydrocarbon blob ~ 1/2" thick
						1359.8	11.0	0.4	4.3	92.3	
						1361.0	2.2	1.2	3.1	97.1	
						1362.1	3.9	1.1	4.1	96.0	
						1363.1	12.7	1.0	4.8	89.3	FRIC 70° to CA @ 1363.0
						1364.4	29.9	1.3	5.0	84.1	
						1365	16.2	1.0	4.3	89.0	
						1367.0	8.3	1.6	1.7	94.8	
						1368.2	4.3	1.2	2.9	96.0	
						1369.2	23.2	1.0	6.0	86.4	@ 1370.8 - 1371.0 (tuff bed oil) central bedded abn. / is. l.
						1370	16.8	1.0	6.2	89.6	(END of Run #16 @ 1372.6')

THANA D.H. SYN-1

TD 1372.6

ATION SEC 16 T9S R2SE 400' FNL 845' FEB Drilled 1370-1372.6

Logged by CKB

COVERY			CORE RUN		Depth	YIELD			SPENT SHALE	DESCRIPTION
TOTAL						g/t				
FT	%	FT	FT	MIN						
					1370	0.1	INT	H ₂ O	5%	
					1370.8	26.9	0.6	5.0	85.4	
					1371.7	18.7	0.9	6.2	89.0	@1371.4: 1" buff bed (oil)
1.1		20.0	20.0	90	1372.6	3.1	0.9	2.6	92.4	END RUN #16 @ TD = 1372.6'

DRILLING SUMMARY:

NOV 3 1200-1700 Set up. Drilled 0-40'. installed 20' surface PIPE
 NOV 4 0700-1700 Drilled 5 1/8" 40' - 580' (new bit @ 360') All air drilling.
 NOV 5 0700-1700 Drilled 5 1/8" 580' - 870' (new bit @ 755'; water @ 700'; started foam @ 755')
 NOV 6 0700-1255 Drilled 5 1/8" 870-1070'
 1255-1648 Cored 1070-1090' (NX, two 10-ft runs).
 NOV 7 0700-1700 Cored 1090-1150'
 NOV 8 0700-1715 Cored 1150'-1210.9' (CABLES BROKE ON LAST CORE RUN)
 NOV 9 0700-1445 Repairing rig.
 1445-1715 Cored 1210.9'-1252.0'
 NOV 10 0700-1000 Shut down for commo installation
 1000-1700 Cored 1252.0-1292.3
 NOV 11 0700-1700 Cored 1292.3-1352.6
 NOV 12 0700-0830 Cored 1352.6- TD (1372.6)
 0830- Reamed 1070- TD

GEOLOGIC NOTES

	Depth	ELEV
BASE UINTA	400	5490
TOP OIL SHALE	540	5350
WATER	700	5190
VOIDS ZONE	771	5119
WAVY ZONE	1076	5014
MAJOR ANY MARKER	1155	4735
RICHEST BED	1170	4720

THICKNESS

5
2.8
0.4

1238-C
1155-M
183