



Discipline Quality Standard	Shell Standard Legend	Unrestricted
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Shell Standard Legend

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DISCIPLINE QUALITY STANDARD

OIL=RED VERSION

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01.11.2012	1	First reviewed issue, based on revision of the SSL95 and SSL2002. Created from the Shell Standard Symbol table.
01.09.2016	2	Updates & restructuring of chapter 3 Topography and chapter 7 Wells.

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This document may set requirements supplemental to applicable law. However, nothing herein is intended to replace, amend, supersede or otherwise depart from any applicable law relating to the subject matter of this document. In the event of any conflict or contradiction between the provisions of this document and applicable law as to the implementation and governance of this document, the provisions of applicable law shall prevail.

This document shall be subject to formal adoption by regions, functions and legal entities.

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1.0 INTRODUCTION

The Shell Standard Legend is the Shell standard for symbols applied in hydrocarbon exploration and petroleum engineering. The beginnings of the document can be traced back for some 95 years with the publication of Dr. Erb's report *Uniformity in Geological Reports* in 1917 and consequently its contents reflect both long established and recently introduced practices, as well as international conventions.

The aim of this document is to promote a standard for communication within Shell's worldwide operating organisation, and within industry and academia.

This standard legend has been generated from the online SSL symbol table, which is available from the Shell intranet, <https://eu007-sp.shell.com/sites/SSL/SitePages/Home.aspx> where it is maintained. The standard legend is based on the SSL 1995 and the addendum for wells 2002. The symbol sets from both publications have been completely reviewed and all elements in the SSL 1995 not pertaining to map symbology have been removed.

During the 2002 review of the SSL in preparation for use in ArcGIS all symbols were given a unique number. This number is partly based on the section number as found in SSL 1995, conform the numbering that was already in use for that edition. To keep the logic of that numbering system the chapter and section definitions of the SSL 1995 have been kept and are still used today.

The Shell Standard Legend is classed as an unrestricted document.

Earlier publications (1976, 1995) supported the convention that oil is red and gas is green. To support mapping for different regions or government requirements, 2 versions of this document have been created: an **oil=green** and an **oil=red** version. Each version consistently uses one colour convention throughout the document.

A short history of the SSL (document references found through EP Catalog)

1917	Uniformity in Geological Reports
1932	Standard legend for field sections
1934	Fourth edition published by the BPM production department (copy available)
1954	Standard legend production department
1958	Not found, but referenced in 1976 edition
1976	Referenced in 1995 edition (front page available)
1995	Widely published edition, supplemented with tapeworm and CD
2002	Addendum wells and codes for all symbols (ArcGIS version)
2012	Updated publication generated from a symbol database
2016	Revision of 2012 publication with updates to topography and wells chapters

2.0 HYDROCARBONS

2.4 Hydrocarbon Fields and Prospects




















2.5.1 Surface Hydrocarbon and Water Seeps (Shows) - gas




















2.5.2 Surface Hydrocarbon and Water Seeps (Shows) - oil

2.5.3 Solid Hydrocarbons

2.5.4 Surface Water Springs, Seepages

2.5.5 Mud Volcanoes

Code	Description	Image
2401	Subsurface resource/Prospect	
2402	Oil field	
2403	Gas field	
2404	Wet gas, gas condensate field	
2405	Water filled structure	
2406	Oil and gas field	
2407	Prospective/undeveloped oil field	
2408	Prospective/undeveloped gas field	
2409	Prospective/undeveloped oil field wet gas, gas condensate field	
2410	Oil field, post production	
2411	Gas field, post production	
2412	Oil field with gas cap, post production	
2425	Subsurface resource/Lead	
2426	Gas Oil Discovery	
2427	Oil Gas Discovery	
2430	Gas Up To (GUT)	
2431	Gas Down To (GDT)	
2432	Gas Oil Contact (GOC)	
2433	Estimated Gas Oil Contact (Est. GOC)	

Code	Description	Image
2434	Estimated Original Gas Oil Contact (Est. OGOC)	
2435	Estimated Gas Water Contact (Est. GWC)	
2436	Original Gas Oil Contact (OGOC)	
2437	Gas Water Contact (GWC)	
2438	Original Gas Water Contact (OGWC)	
2439	Oil Up To (OUT)	
2440	Oil Down To (ODT)	
2441	Estimated Oil Water Contact (Est. OWC)	
2442	Estimated Original Oil Water Contact (Est. OOWC)	
2443	Oil Water Contact (OWC)	
2444	Original Oil Water Contact (OOWC)	
2445	Water Up To (WUT)	
2446	Free Water Level (FWL)	
2447	Prospect, Lowest Closing Contour (LCC)	
25101a	Smell in general (group of indications)	
25101b	Smell in general (single indication)	
25102	Faint smell (single indication)	
25103	Strong smell (single indication)	
25104	Smell of hydrogen sulphide (single indication)	

Code	Description	Image
25105a	Gas seepage, gas show (group of indications)	
25105b	Gas seepage, gas show (single indication)	
25106a	Weak seepage (group of indications)	
25106b	Weak seepage (single indication)	
25107a	Strong seepage, show (group of indications)	
25107b	Strong seepage, show (single indication)	
25108a	Inflammable gas (group of indications)	
25108b	Inflammable gas (single indication)	
25109a	Non-inflammable gas (group of indications)	
25109b	Non-inflammable gas (single indication)	
25110	Gas CO2 (CH4, H2S, etc.) (single indication)	
ws0129301	ws0129301	
25201a	Smell in general (group of indications)	
25201b	Smell in general (single indication)	
25202a	Seepage in general (group of indications)	
25202b	Seepage in general (single indication)	
25203a	Poor seepage in general (group of indications)	
25203b	Poor seepage in general (single indication)	
25204a	Strong seepage in general (group of indications)	

Code	Description	Image
25204b	Strong seepage in general (single indication)	
25205	Oil seepage reported by Geologist R, could not be relocated (single indication)	
25206a	Heavy, tarry and dead oil. In outcrops: impregnation without free oil (group of indications)	
25206b	Heavy, tarry and dead oil. In outcrops: impregnation without free oil (single indication)	
25301a	Asphalt (group of indications)	
25301b	Asphalt (single indication)	
25302	Large asphalt seepage, asphalt lake (group of indications)	
25303a	Mineral wax (ozokerite, etc.) (group of indications)	
25303b	Mineral wax (ozokerite, etc.) (single indication)	
25304a	Asphalite (gilsonite, etc.) (group of indications)	
25304b	Asphalite (gilsonite, etc.) (single indication)	
25401a	Salt water (group of indications)	
25401b	Salt water (single indication)	
25402a	Fresh water (group of indications)	
25402b	Fresh water (single indication)	
25501a	Mud volcano without indications of hydrocarbons (group of indications)	
25501b	Mud volcano without indications of hydrocarbons (single indication)	

3.0 TOPOGRAPHY




















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





Code	Description	Image
32202	Spot elevation	
32301	Boundary marker	
32302	Control point of aerial photo, satellite imagery and number	
32303	Position from which photo or sketch was made	
32304	Topographical position uncertain	
321001	Primary road	
321002	Secondary road	
321003	Access road	
321004	Track	
321005	Footpath, trail	
321006	Railroad dual track	
321007	Railroad single track	
321008	Tunnel	
321009	Fence	
321010	Hedge	
321011	Stone wall	
321012	Limit of built-up area	
321013	Bridge for pedestrians	
321014	Bridge for general traffic	




















Code	Description	Image
321015	Ferry for pedestrians	
321016	Ferry for general traffic	
321017	Dam	
321018	Sluice	
322001	Cable (power, telecom)	
322002	Cable (power, telecom) buried	
322003	Cable proposed	
322004	Cable (not in use)	
322005	Pipeline proposed	
322006	Pipeline oil	
322007	Pipeline condensate	
322008	Pipeline gas	
322009	Pipeline water	
322010	Sewage line	
322011	Pipeline chemical	
322012	Pipeline gas water condensate	
322013	Pipeline other	
322014	Pipeline oil (buried)	
322015	Pipeline condensate (buried)	



















Code	Description	Image
322016	Pipeline gas (buried)	
322017	Pipeline water (buried)	
322018	Sewage line (buried)	
322019	Pipeline chemical (buried)	
322020	Pipeline gas water condensate (buried)	
322021	Pipeline oil (not in use)	
322022	Pipeline condensate (not in use)	
322023	Pipeline gas (not in use)	
322024	Pipeline water (not in use)	
322025	Pipeline chemical (not in use)	
322026	Pipeline water condensate (not in use)	
322027	Pipeline other (not in use)	
322028	Pipeline not in use	
323001	Town	
323002	Town	
323003	Buildings	
323004	Buildings	
323005	Hospital	
323006	Hospital	




















Code	Description	Image
323007	Church, temple	
323008	Mosque	
323009	Post, telephone, telegraph office	
323010	Military (police) post	
323011	Motor fuel station	
323012	Monument	
323013	Water tower	
323014	Windmill	
323015	Lighthouse	
323016	Radar station	Ra
323017	Radio (television or telecommunication transmitter station)	Ro
323018	Radio beacon	Ro Bn
323019	Bridge for pedestrians	
323020	Bridge for general traffic	
323021	Ferry for pedestrians	
323022	Ferry for general traffic	
323023	Dam	
323024	Sluice	
323025	Refinery	




















Code	Description	Image
323026	Tankfarm	
323027	Pumping Station	
323028	Quarry (Lst = Limestone)	
323029	Mine (C = Coal)	
323030	Airport, airstrip	
323031	Helicopter	
323032	Jetty	
323033	Christian cemetery	
323034	Islamic cemetery	
323035	Chinese cemetery	
323036	Park	
323037	Sportsground, playground	
323038	Artesian well	
323039	Historic site, ruins	
332001	Platform, installation	
332002	Platform, installation (planned)	
332003	Subsea cluster, template	
332004	Subsea cluster, template (planned)	
332005	Floating installation	




















Code	Description	Image
332006	Floating installation (planned)	
332007	Lightship	
332008	Navigation light	
332009	Navigation beacon (no light)	
332010	Buoy with light	
332011	Buoy without light	
332012	Metoccean buoy without light	
332013	Metoccean buoy with light	
332014	Metoccean buoy with light and data transmission	
332015	Metoccean buoy - others	
332016	Metoccean station (on fixed structure)	
332017	Wreck, visible	
332018	Wreck, submerged	
332019	Wreck (minimum depth)	
333001	Navigable limit on a river for : (S) = seagoing vessel, (L) = launch, (C) = canoe; minimum depth of river in dry season two metres	
333002	Tidal range	
341001	Coastline	
341002	High-water line	
341003	Low-water line	




















Code	Description	Image
341004	Shore line of lake	
341005	River (single line), with direction of flow	
341006	River banks, with direction of flow	
341007	Braided stream	
341008	Drainage pattern, wadi	
341009	Vegetation boundary	
341010	Soil type/characteristic boundary (marsh, dunes)	
341011	Limit of reefs	
341012	Fill, dyke, embankment	
341013	Cut	
341014	Valley with steep walls, canyon	
342001	Spring	
342002	Waterfall (with height)	
342003	Rapids	
342004	River disappears	
342005	River reappears	
342006	Rock	
342007	Volcano, active	
342008	Volcano, inactive	



















Code	Description	Image
343001	Swamps, marshy country	
343002	Tidal swamp	
343003	Swamp with palms	
343004	Mangrove swamp	
343005	Wood, forest, trees	
343006	Wood with high trees	
343007	Wood with low trees, shrub	
343008	Palm Trees (Palm grove, oasis)	
343009	Natural grassland (Savannah, pampas, llanos, alang-alang)	
343010	Dunes	
343011	Drift sand	
343012	Lake with beach	
343013	Salt water lake	
343014	Salt flat	
343015	Sandbank or Mud-flats	
343016	Reef (Coral)	
343017	Reef (Algae)	
350001	Major elevation contours	
350002	Minor elevation contours	



















Code	Description	Image
350003	Major bathymetry contours	
350004	Minor bathymetry contours	
OGP1001	Coral Pinnacle	
OGP1002	Coral spotheight	
OGP1003	Seabed Mound	
OGP1004	Sonar Contact - High Backscatter	
OGP1005	Isolated Depression or Pockmark	
OGP1006	Sonar Contact - Water Column	
OGP1008	Shallow Gas	
OGP1021	Debris/Suspected Debris	
OGP1022	Wreck	
OGP1023	Fish Trap	
OGP1031	Post Drill Well	
OGP2001	Anchor scar/Plough mark	
OGP2002	Linear debris	
OGP2003	Spud Can Drag Scar	
OGP2004	Trawl Scar	
OGP2005	Possible wreck	
OGP3001	Isolated pockmark	




















Code	Description	Image
OGP3002	Pockmark Cluster	
OGP3003	Coalesced/Combined Pockmark	
OGP3004	Sand Ripples	
OGP3005	High Backscatter Sonar Area	
OGP3006	Jack-up rig / Spudcan Footprint	
OGP3007	Mound Cluster Area	
OGP3008	Pitted Area	
OGP3009	Sonar/Hard Contact	
OGP3010	Coral Area	
OGP3021	Rock Dump	
OGP3022	Soil Dump	
OGP3023	Dredged Area - Trench	
OGP3024	Dredged Area - Borrow	
OGP3025	Debris	
OGP3026	Disturbed Sediment Area	
OGP3027	Depression	
OGP3028	Mound - Mud/Mud Lumps	
OGP3029	Eroded/Thinned drape	
OGP3030	Shoal Area/Shallow Water Hazard	




















Code	Description	Image
OGP3031	Fish Traps	
OGP32202	Spot Elevation	
OGP2051	Fault Scarp	
OGP2055	Erosional/Mud Flow	
OGP2059	Ridge	
OGP2111	Normal Fault	
OGP2112	Thrust Fault	
OGP2121	Palaeo-Channel R1	
OGP2122	Palaeo-Channel R2	
OGP2123	Palaeo-Channel R3	
OGP2124	Palaeo-Channel R4	
OGP2201	Major Isopach Contours to base of Unit A	
OGP2202	Minor Isopach Contours to base of Unit A	
OGP2203	Major Isopach Contours to base of Unit B	
OGP2204	Minor Isopach Contours to base of Unit B	
OGP2205	Major Isopach Contours to base of Unit C	
OGP2206	Minor Isopach Contours to base of Unit C	
OGP2207	Major Isopach Contours to base of Unit D	
OGP2208	Minor Isopach Contours to base of Unit D	













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OGP3701	Anomaly 1 High Amplitude	
OGP3702	Anomaly 2 High Amplitude	
OGP3703	Anomaly 3 High Amplitude	
OGP3704	Anomaly 4 High Amplitude	
OGP3705	Anomaly 5 High Amplitude	
OGP3706	Anomaly 6 High Amplitude	
OGP3707	Anomaly 7 High Amplitude	
OGP3708	Anomaly 8 High Amplitude	
OGP3709	Anomaly 9 High Amplitude	
OGP3710	Anomaly 10 High Amplitude	
OGP3721	Acoustic Blanking Zone	
OGP3722	Blanking Area	
OGP3723	Cross Bedding	
OGP3724	Shallow Gas Zone	
OGP2301	Navigation Track at Antenna Position	
OGP2302	Navigation Track at Boomer Position	
OGP2303	Navigation Track at CDP Position	
OGP2304	Navigation Track at Echo-Sounder Position	
OGP2305	Navigation Track at Receiver Group Position	

Code	Description	Image
OGP2306	Navigation Track at Pinger Position	
OGP2307	Navigation Track at Bin Centre Position	
OGP2308	Navigation Track at SSS Position/Centre of Source	
OGP2309	Navigation Track at Towfish/Tailbuoy Position	
OGP2310	Navigation Track at USBL Position	
OGP2311	Navigation Track at Vessel Reference Point	
OGP3301	Limit of Survey Area	
OGP3302	Limit of Analogue and Digital Coverage	
OGP3303	Limit of Analogue Survey Coverage	
OGP3304	Limit of Digital Survey Coverage	
OGP1201	Sound Velocity sample - SVP/Tsdip	
OGP1101	Soil Sample	
OGP1102	Pilot Hole	
OGP1103	Insitu Borehole	
OGP1104	Combi Borehole	
OGP3101	Gravel	
OGP3102	Sand	
OGP3103	Silt	
OGP3104	Clay	

Code	Description	Image
OGP3201	Silty-Sand	
OGP3202	Clayey-Sand	
OGP3203	Silty Clay	
OGP3204	Sandy-clay	
OGP3205	Rocky	
370001	Animal Warning	
370002	Bad Road Service	
370003	Black Spot	
370004	Dangerous point	
370005	Dangerous Crossing	
370006	Flag hazard for removal	
370007	Explosion Danger	
370008	Flooding danger	
370009	Grounding danger	
370010	Hill top; poor visibility	
370011	Landslide danger	
370012	Narrow Road	
370013	Overhead Cable	
370014	Crossing pedestrians or school children	

Code	Description	Image
370015	Poor visibility possible	
370016	Road Works	
370017	Roundabout	
370018	Sand Dunes	
370019	Sharp Bend	
370020	Road can be slippery	
370021	Soft Verges	
370022	Steep Hill	
370023	Train Crossing	
370024	Tunnel	
370025	No U-Turn beyond this point	
370026	Winding Road	
381001	Well Location - Bottom Hole	
381002	Well Location - Turn	
381003	Well Location - Heel	
381004	Well Status - Preplanned	
381005	Well Status - Planned	
381006	Well Status - Licensed	
381007	Well Status - Drilled	

Code	Description	Image
381008	Well Path	
382001	Legal Boundary - Road	
382002	Legal Boundary - Pipeline	
382003	Legal Boundary - Camp	
382004	Legal Boundary - Air Strip	
382005	Legal Boundary - Helipad	
382006	Legal Boundary - Utility Line	
382007	Infrastructure Status - Preplanned	
382008	Infrastructure Status - Planned	
382009	Infrastructure Status - Licensed	
382010	Infrastructure Status - Built	
382011	Infrastructure Status - On Hold	
382012	Infrastructure Status - Decommissioned	
382013	Well Pad	
382014	Processing Plant	
382015	Fresh Water Pit	
382016	Produced Water Pit	
382017	Pumping Station	
382018	Compressor Station	



















Code	Description	Image
382019	Water Treatment Plant	
382020	Power Plant	
383001	Drainage Area	
383002	Drainage Area - Partially Drainable	
383003	Drainage Area - Not Drainable	
383004	Block	
384001	Discount Area - No Go	
384002	Discount Area - Not Suitable	
385001	Area - Common Value Area	
385002	Area - Common Risk Segment	
385003	Area - Maximum Value Area	
385004	Area - Minimum Developable Area	


















4.0 GEOLOGY




















- 4.1.1 Morphological Features
- 4.1.2 Geological Features
- 4.2.2.2 Siliciclastic Lithotypes
- 4.2.3.2 Carbonate Lithotypes
- 4.2.4 Mixed Siliciclastics-Carbonates
- 4.2.5 Evaporites
- 4.2.6 Organic-rich Rocks
- 4.2.7 Miscellaneous Sediments
- 4.2.8.1 Intrusive (Plutonic) Rocks
- 4.2.8.2 Dykes, Sills
- 4.2.8.3 Extrusive (Volcanic) Rocks
- 4.2.8.4 Ophiolites
- 4.2.9 Metamorphic Rocks
- 4.2.10 Lithological Colour Symbols
- 4.3.1.6 Non-skeletal Particles
- 4.3.1.7 Non-skeletal Particle Texture and Size
- 4.3.1.8 Pellets and Coated Grains
- 4.3.1.9 Skeletal Particles
- 4.3.2.1 Fabric Selective Porosity
- 4.3.2.2 Non-fabric Selective Porosity
- 4.3.2.7 Archie Porosity Types
- 4.3.5.1 Fossils, General
- 4.3.5.2 Fossils, Specific
- 4.3.5.3 Ichnofossils
- 4.3.5.4 Organogenic Structures
- 4.3.6.3 Character of Base of Bed
- 4.3.6.5 Large Sedimentary Features
- 4.3.6.6 Cross-bedding
- 4.3.6.7 Ripplemarks on Bedding Planes
- 4.3.6.9 Wavy/Irregular/Lenticular Stratification
- 4.3.6.10 Graded Beds
- 4.3.6.11 Lineations on Bedding Planes
- 4.3.6.12 Soft Sediment Deformation
- 4.3.6.13 Syndepositional Marks and Miscellaneous Structures
- 4.3.7.2 Diagenetic Structures
- 4.3.7.3 Nodules/Concretions
- 4.4 Chronostratigraphy and Geochronology
- 4.4.4 Sequence Stratigraphy
- 4.4.6.2 Gaps on Layer Maps
- 4.5.1.2 Depositional Environments a
- 4.5.2 Depositional Environments b
- 4.6.1 Basin Scale Maps
- 4.6.2 Continental/Global Scale Maps
- 4.7.2.1 Symbols for Fault Types
- 4.7.2.2 Re-activated Faults
- 4.7.2.3 Fault Reliability and Heave
- 4.7.3 Folds and Flexures




















Code	Description	Image
41101a	Outer edge of terrace or declivity (teeth away from edge). The letter a may be used to distinguish accumulation or erosion terraces	
41101c	Outer edge of terrace or declivity (teeth away from edge). The letter c may be used to distinguish accumulation or erosion terraces	
41102	Scree Slope	
41103	Karst solution hollows (sink-holes, uvalas, poljes, dolines)	
41104	Volcanic cone	
41105	Abrupt change of relief, e.g. foot of hills	
41106	Major divide or crestline	
41107	Minor divide or crestline	
41108	Linear feature of unknown origin	
41109	Wind direction	
41110	Direction of morphological dip (dip of surface, plain, terrace etc) Use symbols from 4.1.2, combined with letter M, for added precision, if desired.	
41201	Lithostratigraphical boundary	
41202	Edge of stratum, whether expressed as scarp, scarplet or otherwise deduced	
41203	Joint	
41204	Dike	
41205	Strike line (general symbol)	
41206	Horizontal bedding	
41207	Subhorizontal (<2 o) bedding (slight southerly dip)	
41208	Outcropping layer with dip slope in general. The arrow should be extended over the full length of the visible slope.	

Code	Description	Image
41209a	Gentle dip slope (2 deg - 5 deg)	
41209b	Gentle dip slope (2 degr. -5 degr.). Symbols without arrows: b) may be used when space problems prohibit the arrow symbology of a).	
41210a	Moderate dip slope (6 deg - 20 deg)	
41210b	Moderate dip slope (6 degr. -20 degr.) Symbols without arrows: b) may be used when space problems prohibit the arrow symbology of a).	
41211a	Steep dip slope (>20 deg)	
41211b	Steep dip slope (>20 degr.) Symbols without arrows: b) may be used when space problems prohibit the arrow symbology of a).	
41212	Direction of dip, regional	
41213	Direction of dip, local	
41214	Axis of major regional high, culmination, geanticline	
41215	Axis of high, anticline	
41216	Axis of low, syncline	
41217	Bedding of strike and dip	
421001	Gravel, conglomerate, breccia	
421002	Sand, sandstone	
421003	Silt, siltstone	
421004	Clay, claystone, shale	
421005	Diamictite	
421006	Marl(stone), calcareous clay (/shale)	
421007	Limestone, chalk	

Code	Description	Image
421008	Dolomite	
421009	Gypsum, anhydrite	
421010	Rock salt	
421011	Coal	
421012	Plutonic rocks	
421013	Volcanic rocks	
421014	Ophiolites	
421015	Metamorphic rocks	
422201	Breccia (Brc)	
422202	Gravel (Grv)	
422203	Conglomerate (Cgl)	
422204a	Sand (S) (very sandy = s , slightly sandy = (s))	
422204b	Sandstone (Sst)	
422205a	Silt (Slt)	
422205b	Siltstone (Sltst)	
422206a	Clay (Cl)	
422206b	Claystone (Clst)	
422206c	Claystone (Clst)	
422207a	Shale (Sh)	




















Code	Description	Image
422207b	Shale (Sh)	
422208	Diamictite, tillite (Tilt)	
422209	Greywacke (Gwke)	
422210	Arkose (Ark)	
423201	Limestone (Lst) (calcareous) (calc)	
423202	Limestone, dolomitic (Lst, dol)	
423203	Dolomite (Dol) (dolomitic) (dol)	
423204	Dolomite-Limestone (Dol-Lst) (mixture approximately equal or not determined)	
423205	Dolomite, calcareous (Dol, calc)	
423206	Chalk (Chk)	
423207	Unconsolidated lime mud (L mud, uncons)	
42401	Marl (Mrl)	
42402	Argillaceous limestone (Lst, arg)	
42403	(Marlstone) (Mrlst)	
42404	Sandy limestone (Lst, s)	
42501	Gypsum (Gyp)	
42502	Anhydrite (Anhd)	
42503a	Salt in general	
42503b	Halite, rock salt s.s.	




















Code	Description	Image
42504	Potassium and magnesium salts in general	
42601	Peat	
42602	Coal, general (carbonaceous)	
42603	Bituminous	
42604	Plant remains	
42605	Coal conglomerate	
42606	Root bed	
42701	Chert (Cht)	
42702	Silicilite, silicilith (Sct)	
42703	Glauconite (Glc)	
42704	Ironstone (ferruginous) (Fest fe)	
42705	Phosphate (Phos)	
428101	Intrusive (plutonic) rocks, general (Plut, In)	
428201	Dyke, sill (Dy)	
428301	Extrusive rocks, general (Vo, Ex)	
428302	Tuff (Tf)	
428303	Welded tuff, ignimbrite	
428304	Agglomerate, volcanic breccia	
428401	Ophiolites	




















Code	Description	Image
42901	Metamorphic rocks, general (Metam)	
429011	Slate phyllite	
429012	Quartzite	
429013	Marble	
42902	Schist (Sch)	
429021	Gneiss	
429022	Amphibolite	
431601	Angular fragment, lithoclast (Lcl)	
431602	Lithoclasts, aggregated (Lcl, aggr)	
431603	Rounded particles (Psoo) (not determined further)	
431604	Rounded aggregated particles (Gpst) (grapestone)	
431701	1/16 - 4 mm Muddy internal texture	
431702	> 4 mm Muddy internal texture	
431703	1/16 - 4 mm Muddy internal texture	
431704	> 4 mm Muddy internal texture	
431705	1/16 - 4 mm Composite internal texture	
431706	> 4 mm Composite internal texture	
431707	1/16 - 4 Composite internal texture	
431708	> 4 mm Composite internal texture	




















Code	Description	Image
431801	Faecal pellet, coprolite (Pel, fae)	
431802	Micropelletoid (<1/16 mm) (Micrpeld)	
431803	Pelletoid (1/16 - 2 mm) (Peld)	
431804	Superficial ooid (single layer) (Oo, spf) (single-layer coating of particles is indicated by adding horizontal bars to the appropriate symbol.)	
431805	Ooid (1/16 - 2 mm) (OO)	
431806	Pisoid (>2 mm) (Piso)	
431807	Onkoid (1/16 mm - 2 mm) (Onkd)	
431808	Onkoid (>2 mm) (Onkd)	
431901	Whole fossils, unspecified (Foss)	
431902	Bioclasts (unspecified broken fossils), angular (Bcl, ang)	
431903	Bioclasts (unspecified broken fossils), rounded (Bcl, rnd)	
431904	Larger foraminifera, coated	
431905	Pelagic foraminifera, broken	
432101	Intergranular (particle size > 20m)	
432102	Fine interparticle (particle size < 20m)	
432103	Intercrystalline (interxln Por)	
432104	Intragranular (Intragran Por)	
432105	Intrasketal (Intraskel Por)	
432106	Intracrystalline (Intraxln Por)	

Code	Description	Image
432107	Mouldic (mld Por)	
432108	Fenestral (fnstr Por)	
432109	Shelter (shelt Por)	
432110	Framework (frmwk Por)	
432201	Fracture (frac Por)	
432202	Stylolitic (stltc Por)	
432203	Replacement (repl Por)	
432204	Solution (sol Por)	
432205	Vuggy, vugular (vug, vug Por)	
432206	Channel (chnl Por)	
432207	Cavernous (person-sized pore) (cav, cav Por)	
432701	Vugs, disconnected < 10%	
432702	Vugs, disconnected > 10%	
432703	Vugs, connected < 10%	
432704	Vugs, connected > 10%	
435101	Fossils in general (Foss)	
435102	Fossils, benthonic (Foss, bent)	
435103	Fossils, pelagic (Foss, pelg)	
435104	Crossing out of a fossil symbol indicates broken fragments of that fossil	

Code	Description	Image
435201	Acritarchs (Acrt)	
435202	Algae (Alg)	
435203	Ammonites (Amm)	
435204	Belemnites (Blm)	
435205	Brachiopods (Brac)	
435206	Bryozoa (Bry)	
435207	Charophytes (Char)	
435208	Chitinozoa (Chtz)	
435209	Conodonts (Con)	
435210	Corals (Cor)	
435211	Crinoids (Crin)	
435212	Diatoms (Diat)	
435213	Dinoflagellates (Dinfl)	
435214	Echinoderms (Ech)	
435215	Fish remains (Fish Rem) Fish scales (Fish Sc)	
435216	Foraminifera, general (Foram)	
435217	Foraminifera, larger (Foram, sm)	
435218	Foraminifera, smaller (Foram, sm)	
435219	Foraminifera, smaller, benthonic (Foram, sm, bnt)	




















Code	Description	Image
435220	Foraminifera, pelagic, planktonic (Foram, pelg/plk)	
435221	Gastropods (Gast)	
435222	Graptolites (Grap)	
435223	Lamellibranchs (Lbr) Pelecypods (Pelcp) Bivalves (Biv)	
435224	Lamellibranchs, pelagic (Lbr, pelg)	
435225	Microplankton (Mpl)	
435226	Molluscs (Mol)	
435227	Nannoplankton, calcareous (Nanplk)	
435228	Oligostegina (Oligst) (Calcspheres) (Calsph)	
435229	Ostracods (Ost)	
435230	Plant remains (Plt Rem)	
435231	Radiolaria (Rad)	
435232	Rudists (Rud)	
435233	Spicules (Spic)	
435234	Sporomorphs (Spr)	
435235	Stromatoporoids (Strom)	
435236	Tintinnids (Tin)	
435237	Trilobites (Tril)	
435238	Vertebrates (Vrtb)	




















Code	Description	Image
435239	Woob, silicified (Wd, si)	
435301	Trails, "wormtracks", trace fossils	
435302	Vertebrate tracks	
435303a	Burrows vertical (Bur)	
435303b	Burrows horizontal (Bur)	
435304	Churned, bioturbated	
435305	Boring and animal tubes (Bor)	
435306	Bored surface (srf, bor)	
435401	Algal mats, stromatolites (Alg Mat)	
435402	Plant root tubes, rootlets (Plt Rt)	
4361001a	Graded bedding (grd-bd)	
4361002	Normal grading/fining upward	
4361003	Inverse grading/coarsening upward	
4361101	Parting lineation, Primary current lineation (part-Lin)	
4361102	Streaming lineation, Primary current lineation (strm-Lin)	
4361103	Shell, fossil lineation (foss-Lin)	
4361104	Plant fragment lineation (plt-Lin)	
4361105	Sand grain lineation (grain-Lin)	
4361106	Pebble lineation (pbl-Lin)	




















Code	Description	Image
4361201	Flame structure	
4361202	Dish (and pillar) structure	
4361203	Load casts (load-Cs)	
4361204	Oversteepening, overturning	
4361205	Ptygmatic fold/entherolithic bedding	
4361206	Convolute bedding (conv-bd)	
4361207	Slumped, contorted bedding (slump, conv-bd)	
4361208	Drag folds (sedimentary) (drgfld, sed)	
4361209	Vein, sedimentary dyke (Vn, Dyke)	
4361301	Clay drape	
4361302	Carbonaceous drape	
4361303	Flute casts (flut-Cs)	
4361304	Striation casts (< 2 mm wide) (stri-Cs)	
4361305	Prod casts; bounce casts (prod-Cs)	
4361306	Raindrop imprints; gas, air or spring pits (rain-Imp)	
4361307	Mudcracks (Mdcrk)	
4361308	Syneresis cracks	
4361309	Salt moulds or hoppers (salt-Mld)	
4361310	Pseudo-nodules; phacoids (Psnod)	




















Code	Description	Image
4361311	Tepee structure	
4361312	Pebble imbrication (pbl-lmb)	
4361313	Geopetal fabric; floored cavities	
4361314	Flute casts, directed N180 E, secondary direction N120 E (flut-Cs, N180E + (N120E))	
4361315	Striation casts directed N25 E (str-Cs, N25E)	
4361316	Prod casts, directed N40 E (prod-Cs, N40E)	
436301	Erosional surface, erosional contact	
436501	Wedge-shaped layer, tongue (wdg)	
436502	Lenticular layer, lens (len)	
436503	Unit with concave bottom and flat top (scour-and-fill, channel, wash-out)	
436504	As above, with horizontal fill	
436505	As above, but with foreset infill	
436506	Unit with convex top and flat bottom (add bedding attitude as above)	
436507	Olistolith, slide, rockfall (olisth)	
436508	Olistostrome, mass flow (olistr)	
436509	Bioherm	
436510	Biostrome	
436511	Reef	
436601	Cross-bedding (non-directional) (xbd)	




















Code	Description	Image
436602	Cross-bedding, chevron or herringbone type (xbd-c)	
436603	Hummocky cross-stratification (xbd-hm)	
436604	Swaley cross-stratification (xbd-s)	
436605	Cross-bedding, directional (azimuth N80 E) (xbd-N80E)	
436701	Adhesion ripples (adh-Rpl)	
436702	Asymmetrical ripples in general (asym-Rpl)	
436703	Symmetrical ripples (sym-Rpl)	
436901	Parallel wavy	
436902	Flaser	
436903	Irregular, wavy bedding (irg-bd)	
436904	Lenticular, linsen bedding	
436905	Streaky	
436906	Crinkled (chrink-bd)	
437201	Boudinage; ball-and-flow structure	
437202	Pull-apart structure	
437203	Collapse, solution breccia (Bc, sol)	
437204	Boxwork structure, rauhwacke (Rauhw)	
437205	Cone-in-cone	
437206	Stromatactis	




















Code	Description	Image
437207	Stylolites	
437208	Horse-tailing	
437209	Birdseye structure, keystone vugs	
437210	Fenestral structure	
437211	Crystal ghosts	
437212	Fossil ghosts	
437213	Ooid ghosts	
437301	Concretions, nodules, geodes in general (Conc, Nod)	
437302	Calcareous concretions (Calc-Conc)	
437303	Soil pisoids	
437304	Siliceous concretions (Si-Conc)	
437305	Anhydrite concretions (Anhd-Conc)	
437306	Anhydrite concretions compressed (Chicken-wire type)	
44301	Quaternary - Holocene-Pleistocene	
44302	Neogene - Pliocene-Miocene	
44303	Paleogene - Oligocene-Eocene -Paleocene	
44304	Cretaceous Upper	
44305	Cretaceous Lower	
44306	Jurassic Upper	




















Code	Description	Image
44307	Jurassic Middle	
44308	Jurassic Lower	
44309	Triassic Upper	
44310	Triassic Middle	
44311	Triassic Lower	
44312	Permian Upper - Lopingian	
44313	Permian Middle - Guadalupian	
44314	Permian Lower - Cisuralian	
44315	Carboniferous Upper - Pennsylvanian	
44316	Carboniferous Lower - Mississippian	
44317	Devonian Upper	
44318	Devonian Middle	
44319	Devonian Lower	
44320	Silurian	
44322	Ordovician Upper	
44323	Ordovician Middle	
44324	Ordovician Lower	
44325	Cambrian	
44328	Precambrium - Ediacaran-Animikean	






Code	Description	Image
44401	Highstand systems tract (HST)	
44402	Transgressive systems tract (TST)	
44403	Lowstand systems tract (LST)	
44404	Deep water fan system (undifferentiated) (DWF)	
44405	Leveed channel complex (LCC)	
44406	Debris flows/slumps (DF)	
44407	Basin floor fan complex (BFF)	
44408	Condensed systems tract (condensation horizons) (CST)	
44409	Incised valley fill (IVF)	
44410	Forced regressive shoreface wedge (FRW)	
44411	Lowstand wedge (LW)	
44412	Sequence boundary (SB)	
44413	Maximum flooding surface (MFS)	
44414	Transgressive/flooding surfaces (TS/FS)	
44415	Transgressive surface of erosion (TSE) (ravinement surface)	
44416	Regressive surface of erosion (RSE) (sharp-based shoreface erosion surface)	
446201a	Outcrop unit incomplete at top due to erosion	
446201b	Subcrop unit incomplete at top due to erosion	
446202	Subcrop unit incomplete at base due to non-deposition	

Code	Description	Image
446203	Subcrop unit incomplete due to intra-formational erosion and/or non-deposition	
451201	Terrestrial (continental)	
451202	Coastal (transitional marine)	
451203	Neritic (shelf) - undifferentiated	
451204	Inner neritic	
451205	Middle neritic	
451206	Outer neritic	
451207	Bathyal - undifferentiated	
451208	Upper bathyal	
451209	Middle bathyal	
451210	Lower bathyal	
45201	Terrestrial (continental)	
45202	Alluvial	
45203	Coastal plain	
45204	Upper shoreface	
45205	Lower shoreface	
45206	Shallow marine	
45207	Slope	
45208	Deep marine	

Code	Description	Image
45209	Lagoon	
45210	Backreef	
45211	Reef	
45212	Fore-reef	
45213	Carbonate slope	
46101	Sand/sandstone and conglomerate	
46102	Sand/sandstone	
46103	Sand/sandstone and clay/claystone/shale	
46104	Carbonate and sand/sandstone	
46105	Carbonate	
46106	Carbonate and clay/claystone/shale	
46107	Clay/claystone/shale, some carbonate	
46108	Clay/claystone/shale	
46109	Organic shale	
46110	Halite	
46111	Anhydrite, gypsum	
46112	Oolites, shoals	
46113	Coal	
46114	Batholiths	

Code	Description	Image
46115	Volcanics, local	
46116	Major extrusives, plateau basalts	
46117	Cratonic hinterlands (mainly low relief)	
46118	Inactive fold belts (moderate to high relief)	
46119	Active fold belts (high relief)	
46120	Direction of clastic influx	
46121	Direction of marine incursion	
46122	Direction of intra-basinal transport	
46201	Mainly continental clastics	
46202	Deltaic to shallow marine, mainly sands	
46203	Shallow marine, mainly shales	
46204	Shallow marine, clastics and carbonates	
46205	Shallow marine, mainly carbonates	
46206	Evaporites and clastics	
46207	Mainly evaporites	
46208	Evaporites, clastics and carbonates	
46209	Evaporites and carbonates	
46210	Deeper marine clastics and/or carbonates	
46211	Deeper marine, mainly sands	


















Code	Description	Image
46212	Basin floored by oceanic crust	
46213	Uninterpreted areas	
46214	Plateau basalts	
46215	Oceanic - continental crust boundary	
46216	Active sea floor spreading axis	
46217	Transform zone	
46218a	Subduction zone	
46219	Sea mount	
46220a	Continental shelf - slope break	
46221a	Orogenic front	
46222	Centres of seismic activity, earthquake epicentres	
46223	Linear high, anticlinorium, major regional high or axis of uplift	
46224	Linear low, synclinorium, major regional low or basin axis	
46225a	Outline of basin subsidence	
472101a	Fault, dip of fault plane unknown, barbs on downthrown side	
472101c	Alternative fault symbol. Fault, dip of fault plane unknown, barbs on downthrown side	
472102a	Reverse fault, unspecified high dip angle (>30°) (barbs on the upthrown block)	
472103a	Overthrust, unspecified low dip angle (<30°) (barbs on the upthrown block)	
472104	Transcurrent fault - wrench fault	

Code	Description	Image
472201a	Extensional normal fault, re-activated as high angle reverse fault during subsequent phase of compression, i.e. inverted half graben	
472202a	Low angle overthrust, re-activated as normal fault or detachment during subsequent phase of extension or relaxation	
472301a	Fault position approximate, heave unknown	
472301c	Fault position approximate, heave unknown (alternative symbol)	
47301a	Flexure in general, points indicate downdip	

5.0 GEOCHEMISTRY




















5.1.1 Source Rock Type










5.2.1 Maturity Zones

Code	Description	Image
51111	Moderate source rock, Oil prone, I & II, Hio 500	
51112	Good source rock, Oil prone, I & II, Hio 500	
51113	Excellent source rock, Oil prone, I & II, Hio 500	
51114	Moderate source rock, Mixed Oil & Gas, III/II & II/III, Hio 200-500	
51115	Good source rock, Mixed Oil & Gas, III/II & II/III, Hio 200-500	
51116	Excellent source rock, Mixed Oil & Gas, III/II & II/III, Hio 200-500	
51117	Moderate source rock, Gas prone, III, Hio < 200	
51118	Good source rock, Gas prone, III, Hio < 200	
51119	Excellent source rock, Gas prone, III, Hio < 200	
51120	Moderate source rock, Unknown, No HI	
51121	Good source rock, Unknown, No HI	
51122	Excellent source rock, Unknown, No HI	
51123	Barren	
52101	Immature	
52102	Mature for oil generation	
52103	Mature for gas generation/Postmature for oil generation	
52104	Postmature for both oil and gas	

6.0 GEOPHYSICS

6.1.3.3 Seismic Stratigraphy

Code	Description	Image
613301	Sequence boundary	
613302	Maximum flooding surface	
613303	Ravinement/transgressive/flooding surfaces	
613304	Highstand systems tract	
613305	Transgressive systems tract	
613306	Lowstand systems tract	
613307	Topsets, siliciclastics	
613308	Foresets, siliciclastics	
613309	Foresets, siliciclastics (optional)	
613310	Bottomsets, siliciclastics (pelagics, hemipelagics)	
613311	Debris flows/slumps	
613312	Levees (submarine channels)	
613313	Incised valley and submarine canyon fill (undifferentiated)	
613314	Basin floor fan (e.g. amalgamated channel complex, sheet sands and lobes)	
613315	Topsets, carbonates (including lagoonal facies)	
613316	Carbonate platform edge (buildups/shoals)	
613317	Carbonate slope deposits	
613318	Onlap	
613319	Downlap/clinoforms (undifferentiated)	

Code	Description	Image
613320	Toplapping clinoforms	
613321a	Final offlap break (shelf margin)	
613322	Channel/canyon morphology	
613323	Mounded geometries (undifferentiated)	
613324	Levee channel	
613325	Carbonate reef	
613326	Volcanic cone	
613327	Retrogressive/rotational slump	
613328	Chaotic facies	

7.0 WELLS

- 7.1 General Wells
- 7.2 Active Wells
- 7.3 Closed in Wells
- 7.4 Suspended Wells
- 7.5 Plugged & Abandoned
- 7.7 Coal Bed Methane Wells
- 7.7 Injector and Supply Wells

Code	Description	Image
BORHOL	Borehole	
DRILNG	Well Drilling	
DRYHOL	Dry Hole	
FAULTED	Faulted / Shaled out	
GTHRMW	Geothermal Well	
LOCPRO	Planned well	
OBSER	Observation well	
STATUN	Status unknown	
TIGHT	Tight hole	
W000P	Well location	
W00DF	Dump flood well	
WCOND	Conductored	
WRCSD	Well reaching caprock of salt dome	
WTOPH	Top Holed	
ZONTRE	Zone of map not reached	
W010P	Gas shows	
W020P	Gas interpreted productive	
W030P	Gas producing	
W100P	Oil shows	

Code	Description	Image
W110P	Oil and gas shows	
W120P	Oil shows, gas interpreted productive	
W130P	Gas producing, Oil shows	
W200P	Oil interpreted productive	
W210P	Oil interpreted productive, gas shows	
W220P	Oil and gas interpreted productive	
W230P	Gas producing, oil interpreted productive	
W300P	Oil producing	
W310P	Oil producing, gas shows	
W320P	Oil producing, gas interpreted productive	
W330P	Oil and gas producing	
WT00P	Producing tarry oil	
W000S	Closed in	
W010S	Closed in, gas shows	
W020S	Closed in, gas interpreted productive	
W030S	Closed in, gas proven productive	
W100S	Closed in, oil shows	
W110S	Closed in, oil and gas shows	
W120S	Closed in, oil shows, gas interpreted productive	

Code	Description	Image
W130S	Closed in, oil shows, gas proven productive	
W200S	Closed in, oil interpreted productive	
W210S	Closed in, oil interpreted productive, gas shows	
W220S	Closed in, oil and gas interpreted productive	
W230S	Closed in, oil interpreted productive, gas proven productive	
W300S	Closed in, oil proven productive	
W310S	Closed in, oil proven productive, gas shows	
W320S	Closed in, oil proven productive, gas interpreted productive	
W330S	Closed in, oil and gas proven productive	
WT00S	Closed in, tarry oil	
W000X	Suspended	
W010X	Suspended, gas shows	
W020X	Suspended, gas interpreted productive	
W030X	Suspended, gas proven productive	
W100X	Suspended, oil shows	
W110X	Suspended, oil and gas shows	
W120X	Suspended, oil shows, gas interpreted productive	
W130X	Suspended, oil shows, gas proven productive	
W200X	Suspended, oil interpreted productive	

Code	Description	Image
W210X	Suspended, oil interpreted productive, gas shows	
W220X	Suspended, oil and gas interpreted productive	
W230X	Suspended, oil interpreted productive, gas proven productive	
W300X	Suspended, oil proven productive	
W310X	Suspended, oil proven productive, gas shows	
W320X	Suspended, oil proven productive, gas interpreted productive	
W330X	Suspended, oil and gas proven productive	
WT00X	Suspended, tarry oil	
W000A	P and A	
W010A	P and A, gas shows	
W020A	P and A, gas interpreted productive	
W030A	P and A, gas proven productive	
W100A	P and A, oil shows	
W110A	P and A, oil and gas shows	
W120A	P and A, oil shows, gas interpreted productive	
W130A	P and A, oil shows, gas proven productive	
W200A	P and A, oil interpreted productive	
W210A	P and A, oil interpreted productive, gas shows	
W220A	P and A, oil and gas interpreted productive	

Code	Description	Image
W230A	P and A, oil interpreted productive, gas proven productive	
W300A	P and A, oil proven productive	
W310A	P and A, oil proven productive, gas shows	
W320A	P and A, oil proven productive, gas interpreted productive	
W330A	P and A, oil and gas proven productive	
WT00A	P and A, tarry oil	
W000I	Injector	
W000ST	Storage	
W00PI	Planned injector	
WA00I	Injector, air	
WA0PI	Planned injector, air	
WC00I	Injector, CO2	
WC0PI	Planned injector, CO2	
WG00I	Injector, gas	
WG0PI	Planned injector, gas	
WI00A	Injector, Plugged and abandoned	
WI00S	Injector, closed in	
WIA0A	Injector, Plugged and Abandoned, air	
WIA0S	Injector, Closed in, air	

Code	Description	Image
WIC0A	Injector, Plugged and abandoned, CO2	
WIC0S	Injector, Closed in, CO2	
WIG0A	Injector, Plugged and abandoned, gas	
WIG0S	Injector, Closed in, gas	
WIN0A	Injector, Plugged and abandoned, nitrogen	
WIN0S	Injector, Closed in, nitrogen	
WIP0A	Injector, Plugged and abandoned, polymer	
WIP0S	Injector, Closed in, polymer	
WIS0A	Injector, Plugged and abandoned, steam	
WIS0S	Injector, Closed in, steam	
WIW0A	Injector, Plugged and abandoned, water	
WIW0S	Injector, Closed in, water	
WN00I	Injector, nitrogen	
WN0PI	Planned injector, nitrogen	
WP00I	Injector, polymer	
WP0PI	Planned injector, polymer	
WS00I	Injector, steam	
WS0PI	Planned injector, steam	
WSUWA	Supply well, Plugged and Abandoned, water	

Code	Description	Image
WSUWD	Supply well, Formerly productive now exhausted.	
WSUWDA	Supply well, Plugged and Abandoned, Formerly productive now exhausted.	
WSUWS	Supply well, Closed in, water	
WSWDI	Salt water disposal well	
WW00I	Injector, water	
WW0PI	Planned injector, water	
WW0SU	Supply well, water	
WWPSU	Planned supply well, water	
CLOCPRO	Corehole well, planned	CoH
PLOCPRO	Pilot well, planned	Pil
SLOCPRO	Stratigraphic well, planned	Str
WC000A	Corehole well, plugged and abandoned, dry	CoH
WC010A	Corehole well, plugged and abandoned, gas shows	CoH
WC010P	Corehole well, gas shows	CoH
WC020A	Corehole well, plugged and abandoned, gas interpreted productive	CoH
WC020P	Corehole well, gas interpreted productive	CoH
WC030A	Corehole well, plugged and abandoned, gas proven productive	CoH
WC030P	Corehole well, gas proven productive	CoH
WP000A	Pilot well, plugged and abandoned, dry	Pil

Code	Description	Image
WP010A	Pilot well, plugged and abandoned, gas shows	Pil
WP010P	Pilot well, gas shows	Pil
WP020A	Pilot well, plugged and abandoned, gas interpreted productive	Pil
WP020P	Pilot well, gas interpreted productive	Pil
WP030A	Pilot well, plugged and abandoned, gas proven productive	Pil
WP030P	Pilot well, gas proven productive	Pil
WS000A	Stratigraphic well, plugged and abandoned, dry	Str
WS010A	Stratigraphic well, plugged and abandoned, gas shows	Str
WS010P	Stratigraphic well, gas shows	Str
WS020A	Stratigraphic well, plugged and abandoned, gas interpreted productive	Str
WS020P	Stratigraphic well, gas interpreted productive	Str
WS030A	Stratigraphic well, plugged and abandoned, gas proven productive	Str
WS030P	Stratigraphic well, gas proven productive	Str