| ID | Task Mode | Task Name | Work | Duration | Start | Finish |
|---|---|---|---|---|---|---|
| 0 | | **IST345S21A1BChenW** | **1,112 hrs** | **51 days** | **Thu 3/4/21** | **Mon 4/19/21** |
| 1 | | **1 Evaluate needs for new information system** | **22 hrs** | **3 days** | **Thu 3/4/21** | **Mon 3/8/21** |
| 2 | | 1.1 Identify problems with current information system | 9 hrs | 1 day | Thu 3/4/21 | Thu 3/4/21 |
| 3 | | 1.2 Identify necessary changes and needs for new information system | 5 hrs | 1 day | Thu 3/4/21 | Fri 3/5/21 |
| 4 | | 1.3 Introduce Land Information Systems/LandVantage (LIS/LV) to Callon Petroleum (CP) and determine if it meets CP's needs | 8 hrs | 1 day | Fri 3/5/21 | Mon 3/8/21 |
| 5 | | **2 Prepare for LIS demonstration** | **39 hrs** | **4 days** | **Mon 3/8/21** | **Wed 3/10/21** |
| 6 | | 2.1 Create a project charter | 7 hrs | 1 day | Mon 3/8/21 | Mon 3/8/21 |
| 7 | | 2.2 Chater approved by sponsors and top management | 0 hrs | 1 day | Mon 3/8/21 | Tue 3/9/21 |
| 8 | | 2.3 LIS demonstrates LandVantage software | 32 hrs | 1 day | Tue 3/9/21 | Tue 3/9/21 |
| 9 | | 2.4 Approval to move forward with LIS | 0 hrs | 1 day | Wed 3/10/21 | Wed 3/10/21 |
| 10 | | **3 Negotiation Phase** | **37 hrs** | **6 days** | **Wed 3/10/21** | **Tue 3/16/21** |
| 11 | | 3.1 Conduct a meeting with follow up questions for LIS | 12 hrs | 1 day | Wed 3/10/21 | Thu 3/11/21 |
| 12 | | 3.2 Approval of LV software and moving forward with LIS to create the Statement of Work (SOW) | 0 hrs | 1 day | Thu 3/11/21 | Thu 3/11/21 |
| 13 | | 3.3 Create a SOW and have it approved by executives and signed for by LIS | 6 hrs | 1 day | Thu 3/11/21 | Fri 3/12/21 |
| 14 | | **3.4 Draw a contract between LIS and CP** | **19 hrs** | **3 days** | **Fri 3/12/21** | **Tue 3/16/21** |
| 15 | | 3.4.1 Hold a meeting to negotiate contract | 14 hrs | 1 day | Fri 3/12/21 | Mon 3/15/21 |
| 16 | | 3.4.2 Review and finalize/revise negotiated contract | 5 hrs | 1 day | Mon 3/15/21 | Mon 3/15/21 |
| 17 | | 3.4.3 Sign contract with LIS and CP | 0 hrs | 1 day | Mon 3/15/21 | Tue 3/16/21 |
| 18 | | **4 Initiate Project** | **29 hrs** | **4 days** | **Tue 3/16/21** | **Thu 3/18/21** |

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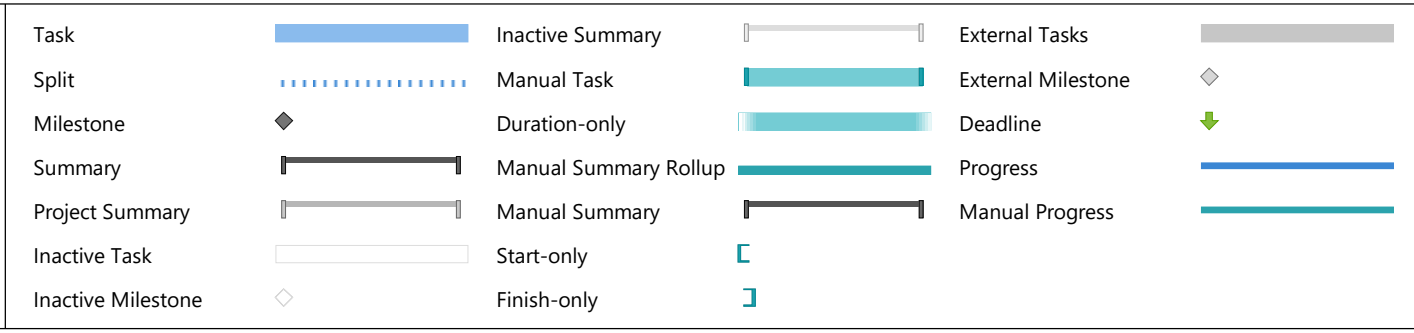
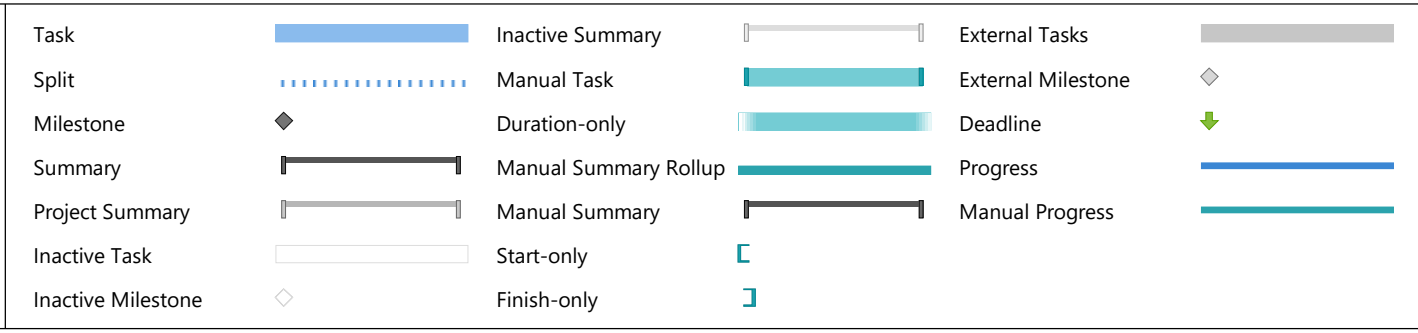


| ID | Task Mode | Task Name | Work | Duration | Start | Finish |
|---|---|---|---|---|---|---|
| 19 | | 4.1 Hold meeting with team to establish roles, expectations, and communication | 13 hrs | 1 day | Tue 3/16/21 | Tue 3/16/21 |
| 20 | | **4.2 Create a Work Breakdown Structure (WBS)** | **16 hrs** | **3 days** | **Wed 3/17/21** | **Thu 3/18/21** |
| 21 | | 4.2.1 Present WBS to project team | 7 hrs | 1 day | Wed 3/17/21 | Wed 3/17/21 |
| 22 | | 4.2.2 Update WBS according to feedback | 9 hrs | 1 day | Wed 3/17/21 | Thu 3/18/21 |
| 23 | | 4.2.3 Project team approves WBS | 0 hrs | 1 day | Thu 3/18/21 | Thu 3/18/21 |
| 24 | | **5 Manage Project** | **421 hrs** | **6 days** | **Thu 3/18/21** | **Wed 3/24/21** |
| 25 | | **5.1 Hold team meetings to discuss project needs** | **333 hrs** | **5 days** | **Thu 3/18/21** | **Tue 3/23/21** |
| 26 | | **5.1.1 Talk to LIS to discuss needs for the project** | **21 hrs** | **4 days** | **Thu 3/18/21** | **Tue 3/23/21** |
| 27 | | 5.1.1.1 Discuss potential risks with implementation | 8 hrs | 1 day | Thu 3/18/21 | Fri 3/19/21 |
| 28 | | 5.1.1.2 Discuss implementation plans | 8 hrs | 1 day | Fri 3/19/21 | Mon 3/22/21 |
| 29 | | 5.1.1.3 Discuss potential last minute changes to the project | 5 hrs | 1 day | Mon 3/22/21 | Mon 3/22/21 |
| 30 | | 5.1.1.4 Get approval from the project team | 0 hrs | 1 day | Mon 3/22/21 | Tue 3/23/21 |
| 31 | | 5.1.2 Conduct bi-weekly meetings with the team, stakeholders, and cross-impacted areas of the organization(s) to discuss progress/status | 312 hrs | 1 day | Tue 3/23/21 | Tue 3/23/21 |
| 32 | | **5.2 Control Scope** | **88 hrs** | **2 days** | **Tue 3/23/21** | **Wed 3/24/21** |
| 33 | | 5.2.1 Develop weekly status reports | 32 hrs | 1 day | Tue 3/23/21 | Tue 3/23/21 |
| 34 | | 5.2.2 Maintain an issues log | 24 hrs | 1 day | Tue 3/23/21 | Tue 3/23/21 |
| 35 | | **5.2.3 Develop and maintain a detailed project plan** | **16 hrs** | **1 day** | **Wed 3/24/21** | **Wed 3/24/21** |
| 36 | | 5.2.3.1 Update the project plan with information from meetings, feedback, executives | 16 hrs | 1 day | Wed 3/24/21 | Wed 3/24/21 |
| 37 | | 5.2.4 Assess risks and control them | 16 hrs | 1 day | Wed 3/24/21 | Wed 3/24/21 |

Project: IST345S21A1BChenW
Date: Mon 3/29/21



| ID | Task Mode | Task Name | Work | Duration | Start | Finish |
|---|---|---|---|---|---|---|
| 38 | | **6 Develop and Implement data to LV** | **241 hrs** | **11 days** | **Thu 3/18/21** | **Mon 3/29/21** |
| 39 | | **6.1 Information Security Setup** | **53 hrs** | **2 days** | **Thu 3/18/21** | **Mon 3/22/21** |
| 40 | | 6.1.1 Determine if CP wants a dedicated AWS (cloud environment) | 6 hrs | 1 day | Thu 3/18/21 | Fri 3/19/21 |
| 41 | | 6.1.2 Proceed with multi-tenant cloud environment | 47 hrs | 1 day | Fri 3/19/21 | Mon 3/22/21 |
| 42 | | **6.2 Conduct agile sprint for data conversion** | **188 hrs** | **9 days** | **Mon 3/22/21** | **Mon 3/29/21** |
| 43 | | **6.2.1 Source Land Data** | **117 hrs** | **7 days** | **Mon 3/22/21** | **Fri 3/26/21** |
| 44 | | 6.2.1.1 Callon Petroleum prepares land data for export | 10 hrs | 1 day | Mon 3/22/21 | Mon 3/22/21 |
| 45 | | 6.2.1.2 LIS downloads land data | 13 hrs | 1 day | Mon 3/22/21 | Tue 3/23/21 |
| 46 | | 6.2.1.3 LIS maps files to LV system | 12 hrs | 1 day | Tue 3/23/21 | Tue 3/23/21 |
| 47 | | 6.2.1.4 LIS finalizes mapping structure | 6 hrs | 1 day | Wed 3/24/21 | Wed 3/24/21 |
| 48 | | 6.2.1.5 LIS develops and load test data to ensure data gets successfully imported | 20 hrs | 1 day | Wed 3/24/21 | Thu 3/25/21 |
| 49 | | 6.2.1.6 CP and LIS review and approve test data | 7 hrs | 1 day | Thu 3/25/21 | Thu 3/25/21 |
| 50 | | 6.2.1.7 LIS imports all land data and validates the integrity of the files | 49 hrs | 1 day | Thu 3/25/21 | Fri 3/26/21 |
| 51 | | **6.2.2 Source Documents (GIS)** | **71 hrs** | **2 days** | **Fri 3/26/21** | **Mon 3/29/21** |
| 52 | | 6.2.2.1 Callon Petroleum prepares drives and other sources for unstructured data for export | 16 hrs | 1 day | Fri 3/26/21 | Mon 3/29/21 |
| 53 | | 6.2.2.2 Repeat tasks 44-49 but alter it for data (LIS downloads data, map structure, test data, approve data, import all data and validate them) | 55 hrs | 1 day | Mon 3/29/21 | Mon 3/29/21 |
| 54 | | **7 Integrations** | **65 hrs** | **8 days** | **Mon 3/29/21** | **Mon 4/5/21** |
| 55 | | **7.1 Integrate RevWorks Accounting System with LV** | **65 hrs** | **8 days** | **Mon 3/29/21** | **Mon 4/5/21** |

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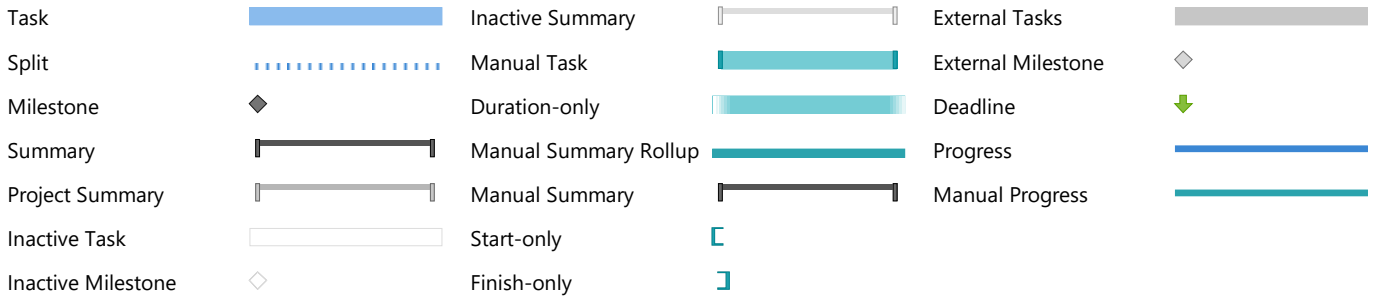
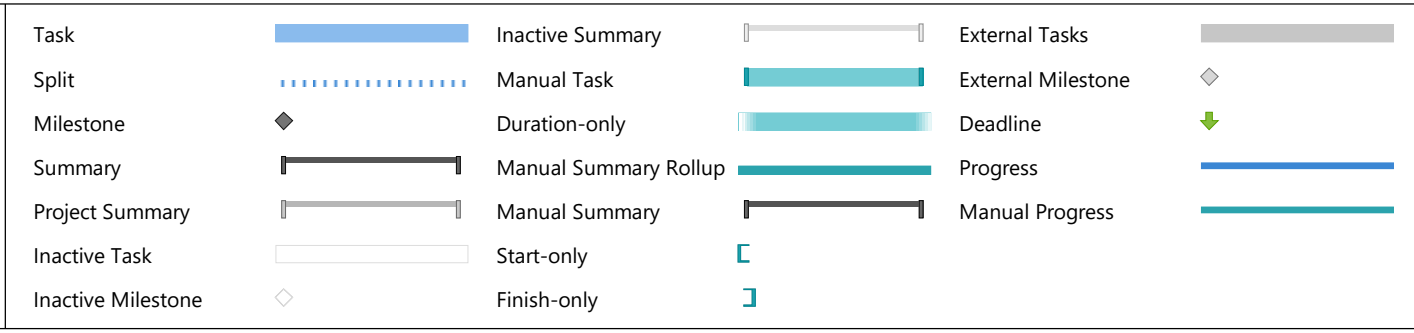


| ID | Task Mode | Task Name | Work | Duration | Start | Finish |
|---|---|---|---|---|---|---|
| 56 | | 7.1.1 Well data integration | 8 hrs | 1 day | Mon 3/29/21 | Tue 3/30/21 |
| 57 | | 7.1.2 Owner data integration | 5 hrs | 1 day | Tue 3/30/21 | Tue 3/30/21 |
| 58 | | 7.1.3 DOI data integration | 7 hrs | 1 day | Wed 3/31/21 | Wed 3/31/21 |
| 59 | | 7.1.4 Revenue Payment History data integration | 6 hrs | 1 day | Wed 3/31/21 | Thu 4/1/21 |
| 60 | | 7.1.5 Accounts Payable (AP) data integration | 6 hrs | 1 day | Thu 4/1/21 | Thu 4/1/21 |
| 61 | | 7.1.6 Transaction log integration | 15 hrs | 1 day | Thu 4/1/21 | Fri 4/2/21 |
| 62 | | 7.1.7 Develop SQL to link LV to InVarus | 8 hrs | 1 day | Fri 4/2/21 | Mon 4/5/21 |
| 63 | | 7.1.8 Test all accounting systems and approval from team | 10 hrs | 1 day | Mon 4/5/21 | Mon 4/5/21 |
| 64 | | **8 Software/System Testing** | **86 hrs** | **6 days** | **Mon 4/5/21** | **Fri 4/9/21** |
| 65 | | 8.1 LIS verifies everything is correct and all data was converted/integrated | 5 hrs | 1 day | Mon 4/5/21 | Tue 4/6/21 |
| 66 | | **8.2 Conduct meeting to present beta access** | **81 hrs** | **5 days** | **Tue 4/6/21** | **Fri 4/9/21** |
| 67 | | **8.2.1 Assign beta testers and system admins** | **81 hrs** | **4 days** | **Tue 4/6/21** | **Thu 4/8/21** |
| 68 | | 8.2.1.1 Beta testers work with internal techs to go through all fields to ensure quality and correctness | 42 hrs | 1 day | Tue 4/6/21 | Tue 4/6/21 |
| 69 | | 8.2.1.2 Stress testing | 19 hrs | 1 day | Wed 4/7/21 | Wed 4/7/21 |
| 70 | | 8.2.1.3 Meet with stakeholders and executives to introduce the beta software and receive feedback | 13 hrs | 1 day | Wed 4/7/21 | Thu 4/8/21 |
| 71 | | 8.2.1.4 Alter/improve system based on feedback from stakeholders and executives | 7 hrs | 1 day | Thu 4/8/21 | Thu 4/8/21 |
| 72 | | 8.2.2 Beta testers approve software/system | 0 hrs | 1 day | Thu 4/8/21 | Fri 4/9/21 |
| 73 | | **9 Training/Go-Live Kickoff** | **154 hrs** | **4 days** | **Fri 4/9/21** | **Tue 4/13/21** |
| 74 | | 9.1 LV team onsite at Callon Petroleum for end-user training | 0 hrs | 1 day | Fri 4/9/21 | Mon 4/12/21 |

Project: IST345S21A1BChenW
Date: Mon 3/29/21

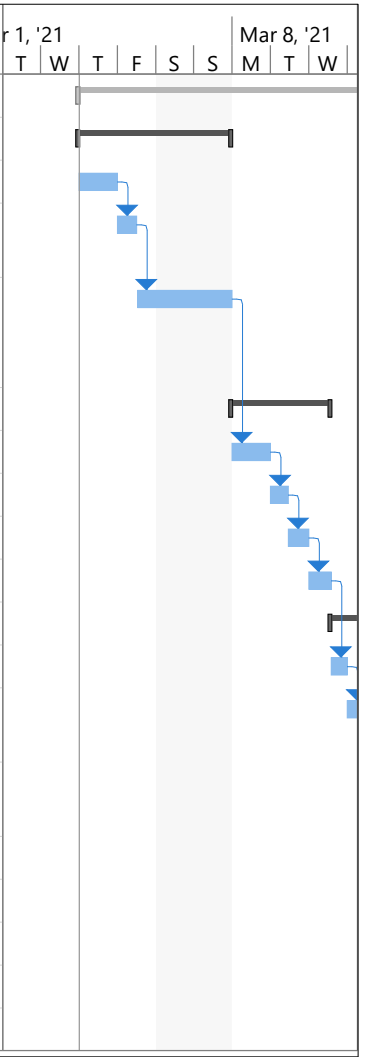


| ID | Task Mode | Task Name | Work | Duration | Start | Finish |
|---|---|---|---|---|---|---|
| 75 | | **9.2 Receive user feedback** | **154 hrs** | **2 days** | **Mon 4/12/21** | **Tue 4/13/21** |
| 76 | | 9.2.1 Meet with stakeholders regarding user feedback | 144 hrs | 1 day | Mon 4/12/21 | Mon 4/12/21 |
| 77 | | 9.2.2 Adjust software based on user feedback | 10 hrs | 1 day | Mon 4/12/21 | Tue 4/13/21 |
| 78 | | 9.3 Conduct Go-Live Kickoff | 0 hrs | 1 day | Tue 4/13/21 | Tue 4/13/21 |
| 79 | | **10 Close out project** | **18 hrs** | **5 days** | **Wed 4/14/21** | **Mon 4/19/21** |
| 80 | | 10.1 Gain stakeholder and executive approval | 0 hrs | 1 day | Wed 4/14/21 | Wed 4/14/21 |
| 81 | | **10.2 Develop final project report** | **18 hrs** | **3 days** | **Wed 4/14/21** | **Fri 4/16/21** |
| 82 | | 10.2.1 Verify all deliverables were delivered | 5 hrs | 1 day | Wed 4/14/21 | Thu 4/15/21 |
| 83 | | **10.2.2 Meet with team to summarize how the process went** | **5 hrs** | **1 day** | **Thu 4/15/21** | **Thu 4/15/21** |
| 84 | | 10.2.2.1 Identify what could've been improved for future projects | 5 hrs | 1 day | Thu 4/15/21 | Thu 4/15/21 |
| 85 | | 10.2.3 Develop plan to maintain system | 8 hrs | 1 day | Thu 4/15/21 | Fri 4/16/21 |
| 86 | | 10.3 Sign project completion contract | 0 hrs | 1 day | Fri 4/16/21 | Mon 4/19/21 |

Project: IST345S21A1BChenW
Date: Mon 3/29/21

| | | |
|---|---|---|
| Task | Inactive Summary | External Tasks |
| Split | Manual Task | External Milestone |
| Milestone | Duration-only | Deadline |
| Summary | Manual Summary Rollup | Progress |
| Project Summary | Manual Summary | Manual Progress |
| Inactive Task | Start-only | |
| Inactive Milestone | Finish-only | |

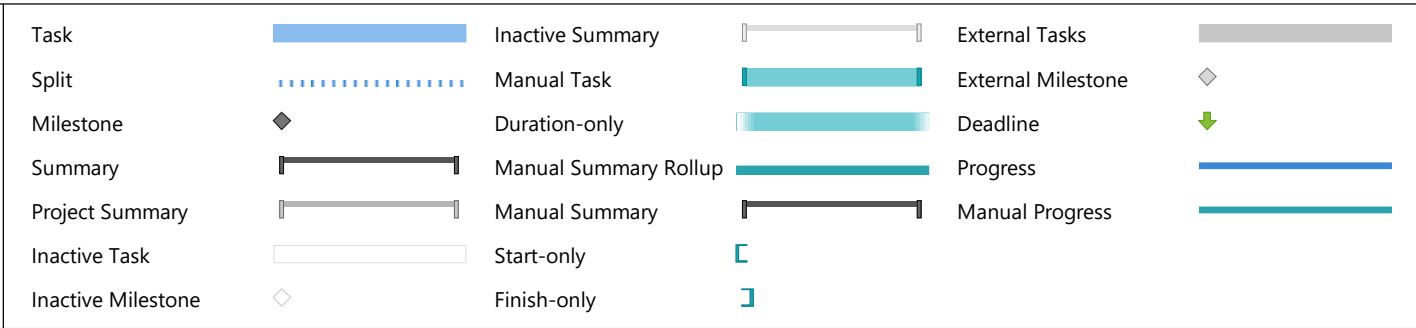
| ID | Task Mode | Task Name | Predecessors | Resource Names |
|---|---|---|---|---|
| 0 | | **IST345S21A1BChenW** | | |
| 1 | | **1 Evaluate needs for new information system** | | |
| 2 | | 1.1 Identify problems with current information system | | |
| 3 | | 1.2 Identify necessary changes and needs for new information system | 2 | |
| 4 | | 1.3 Introduce Land Information Systems/LandVantage (LIS/LV) to Callon Petroleum (CP) and determine if it meets CP's needs | 3 | |
| 5 | | **2 Prepare for LIS demonstration** | | |
| 6 | | 2.1 Create a project charter | 4 | |
| 7 | | 2.2 Chater approved by sponsors and top management | 6 | |
| 8 | | 2.3 LIS demonstrates LandVantage software | 7 | |
| 9 | | 2.4 Approval to move forward with LIS | 8 | |
| 10 | | **3 Negotiation Phase** | | |
| 11 | | 3.1 Conduct a meeting with follow up questions for LIS | 9 | |
| 12 | | 3.2 Approval of LV software and moving forward with LIS to create the Statement of Work (SOW) | 11 | |
| 13 | | 3.3 Create a SOW and have it approved by executives and signed for by LIS | 12 | |
| 14 | | **3.4 Draw a contract between LIS and CP** | | |
| 15 | | 3.4.1 Hold a meeting to negotiate contract | 13 | |
| 16 | | 3.4.2 Review and finalize/revise negotiated contract | 15 | |
| 17 | | 3.4.3 Sign contract with LIS and CP | 16 | |
| 18 | | **4 Initiate Project** | | |




Project: IST345S21A1BChenW
Date: Mon 3/29/21

| | | |
|---|---|---|
| Task | Inactive Summary | External Tasks |
| Split | Manual Task | External Milestone |
| Milestone | Duration-only | Deadline |
| Summary | Manual Summary Rollup | Progress |
| Project Summary | Manual Summary | Manual Progress |
| Inactive Task | Start-only | |
| Inactive Milestone | Finish-only | |

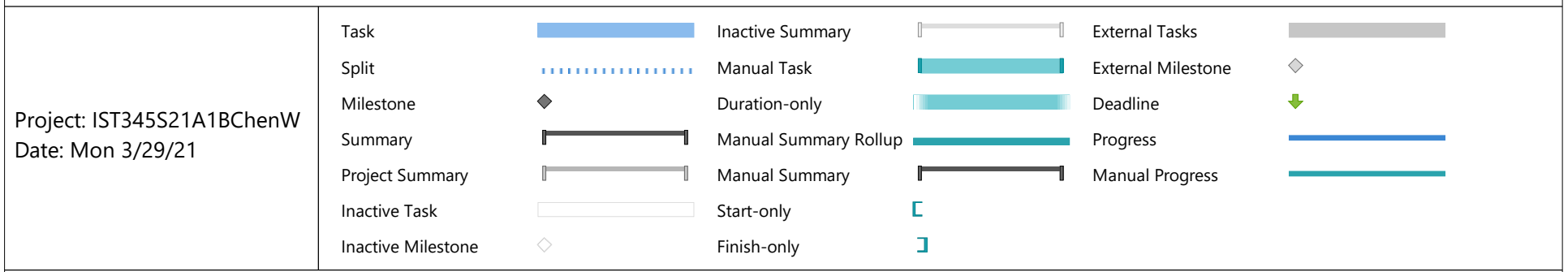
| ID | Task Mode | Task Name | Predecessors | Resource Names |
|---|---|---|---|---|
| 19 | | 4.1 Hold meeting with team to establish roles, expectations, and communication | 17 | |
| 20 | | **4.2 Create a Work Breakdown Structure (WBS)** | | |
| 21 | | 4.2.1 Present WBS to project team | 19 | |
| 22 | | 4.2.2 Update WBS according to feedback | 21 | |
| 23 | | 4.2.3 Project team approves WBS | 22 | |
| 24 | | **5 Manage Project** | | |
| 25 | | **5.1 Hold team meetings to discuss project needs** | | |
| 26 | | **5.1.1 Talk to LIS to discuss needs for the project** | | |
| 27 | | 5.1.1.1 Discuss potential risks with implementation | 23 | |
| 28 | | 5.1.1.2 Discuss implementation plans | 23,27 | |
| 29 | | 5.1.1.3 Discuss potential last minute changes to the project | 23,27,28 | |
| 30 | | 5.1.1.4 Get approval from the project team | 29 | |
| 31 | | 5.1.2 Conduct bi-weekly meetings with the team, stakeholders, and cross-impacted areas of the organization(s) to discuss progress/status | 30 | |
| 32 | | **5.2 Control Scope** | | |
| 33 | | 5.2.1 Develop weekly status reports | 30 | |
| 34 | | 5.2.2 Maintain an issues log | 30 | |
| 35 | | **5.2.3 Develop and maintain a detailed project plan** | | |
| 36 | | 5.2.3.1 Update the project plan with information from meetings, feedback, executives | 31,33,34 | |
| 37 | | 5.2.4 Assess risks and control them | 33,34 | |




Project: IST345S21A1BChenW
Date: Mon 3/29/21

| | | | |
|---|---|---|---|
| Task | Inactive Summary | External Tasks | |
| Split | Manual Task | External Milestone | |
| Milestone | Duration-only | Deadline | |
| Summary | Manual Summary Rollup | Progress | |
| Project Summary | Manual Summary | Manual Progress | |
| Inactive Task | Start-only | | |
| Inactive Milestone | Finish-only | | |

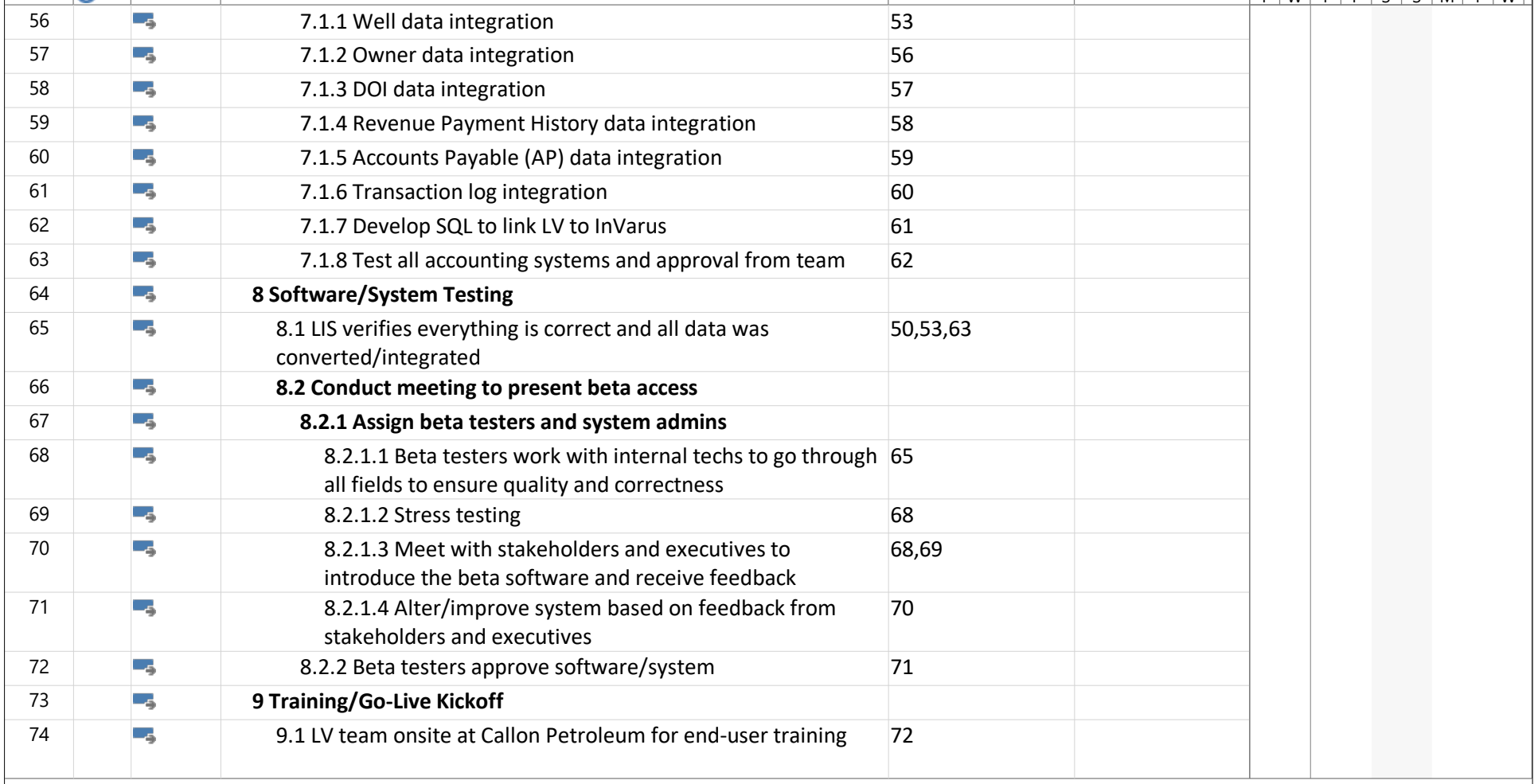
| ID | Task Mode | Task Name | Predecessors | Resource Names |
|---|---|---|---|---|
| 38 | | **6 Develop and Implement data to LV** | | |
| 39 | | **6.1 Information Security Setup** | | |
| 40 | | 6.1.1 Determine if CP wants a dedicated AWS (cloud environment) | 23 | |
| 41 | | 6.1.2 Proceed with multi-tenant cloud environment | 40 | |
| 42 | | **6.2 Conduct agile sprint for data conversion** | | |
| 43 | | **6.2.1 Source Land Data** | | |
| 44 | | 6.2.1.1 Callon Petroleum prepares land data for export | 41 | |
| 45 | | 6.2.1.2 LIS downloads land data | 44 | |
| 46 | | 6.2.1.3 LIS maps files to LV system | 45 | |
| 47 | | 6.2.1.4 LIS finalizes mapping structure | 46 | |
| 48 | | 6.2.1.5 LIS develops and load test data to ensure data gets successfully imported | 47 | |
| 49 | | 6.2.1.6 CP and LIS review and approve test data | 48 | |
| 50 | | 6.2.1.7 LIS imports all land data and validates the integrity of the files | 49 | |
| 51 | | **6.2.2 Source Documents (GIS)** | | |
| 52 | | 6.2.2.1 Callon Petroleum prepares drives and other sources for unstructured data for export | 50 | |
| 53 | | 6.2.2.2 Repeat tasks 44-49 but alter it for data (LIS downloads data, map structure, test data, approve data, import all data and validate them) | 43,52 | |
| 54 | | **7 Integrations** | | |
| 55 | | **7.1 Integrate RevWorks Accounting System with LV** | | |




Project: IST345S21A1BChenW
Date: Mon 3/29/21

Task
Split
Milestone
Summary
Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress

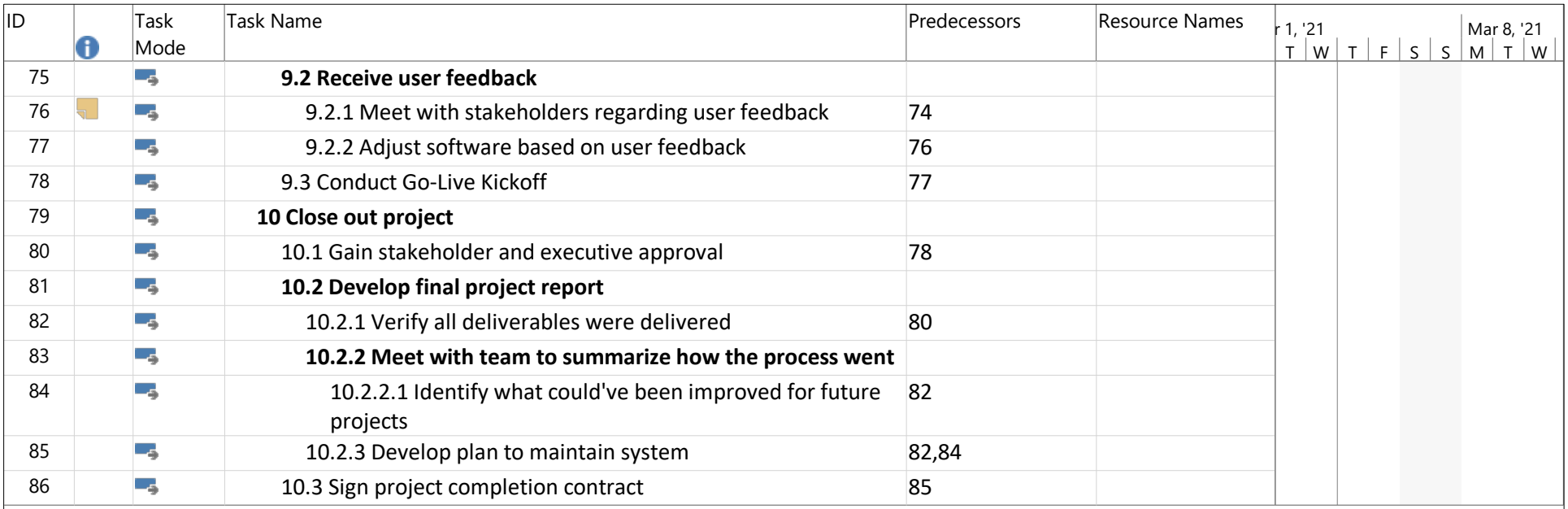
| ID | Task Mode | Task Name | Predecessors | Resource Names |
|---|---|---|---|---|
| 56 | | 7.1.1 Well data integration | 53 | |
| 57 | | 7.1.2 Owner data integration | 56 | |
| 58 | | 7.1.3 DOI data integration | 57 | |
| 59 | | 7.1.4 Revenue Payment History data integration | 58 | |
| 60 | | 7.1.5 Accounts Payable (AP) data integration | 59 | |
| 61 | | 7.1.6 Transaction log integration | 60 | |
| 62 | | 7.1.7 Develop SQL to link LV to InVarus | 61 | |
| 63 | | 7.1.8 Test all accounting systems and approval from team | 62 | |
| 64 | | **8 Software/System Testing** | | |
| 65 | | 8.1 LIS verifies everything is correct and all data was converted/integrated | 50,53,63 | |
| 66 | | **8.2 Conduct meeting to present beta access** | | |
| 67 | | **8.2.1 Assign beta testers and system admins** | | |
| 68 | | 8.2.1.1 Beta testers work with internal techs to go through all fields to ensure quality and correctness | 65 | |
| 69 | | 8.2.1.2 Stress testing | 68 | |
| 70 | | 8.2.1.3 Meet with stakeholders and executives to introduce the beta software and receive feedback | 68,69 | |
| 71 | | 8.2.1.4 Alter/improve system based on feedback from stakeholders and executives | 70 | |
| 72 | | 8.2.2 Beta testers approve software/system | 71 | |
| 73 | | **9 Training/Go-Live Kickoff** | | |
| 74 | | 9.1 LV team onsite at Callon Petroleum for end-user training | 72 | |




Project: IST345S21A1BChenW
Date: Mon 3/29/21

Task
Split
Milestone
Summary
Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress

| ID | Task Mode | Task Name | Predecessors | Resource Names |
|---|---|---|---|---|
| 75 | | **9.2 Receive user feedback** | | |
| 76 | | 9.2.1 Meet with stakeholders regarding user feedback | 74 | |
| 77 | | 9.2.2 Adjust software based on user feedback | 76 | |
| 78 | | 9.3 Conduct Go-Live Kickoff | 77 | |
| 79 | | **10 Close out project** | | |
| 80 | | 10.1 Gain stakeholder and executive approval | 78 | |
| 81 | | **10.2 Develop final project report** | | |
| 82 | | 10.2.1 Verify all deliverables were delivered | 80 | |
| 83 | | **10.2.2 Meet with team to summarize how the process went** | | |
| 84 | | 10.2.2.1 Identify what could've been improved for future projects | 82 | |
| 85 | | 10.2.3 Develop plan to maintain system | 82,84 | |
| 86 | | 10.3 Sign project completion contract | 85 | |




Project: IST345S21A1BChenW
Date: Mon 3/29/21

Task
Split
Milestone
Summary
Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress

| ID | Task Mode | Task Name |
|---|---|---|
| 0 | | **IST345S21A1BChenW** |
| 1 | | **1 Evaluate needs for new information system** |
| 2 | | 1.1 Identify problems with current information system |
| 3 | | 1.2 Identify necessary changes and needs for new information system |
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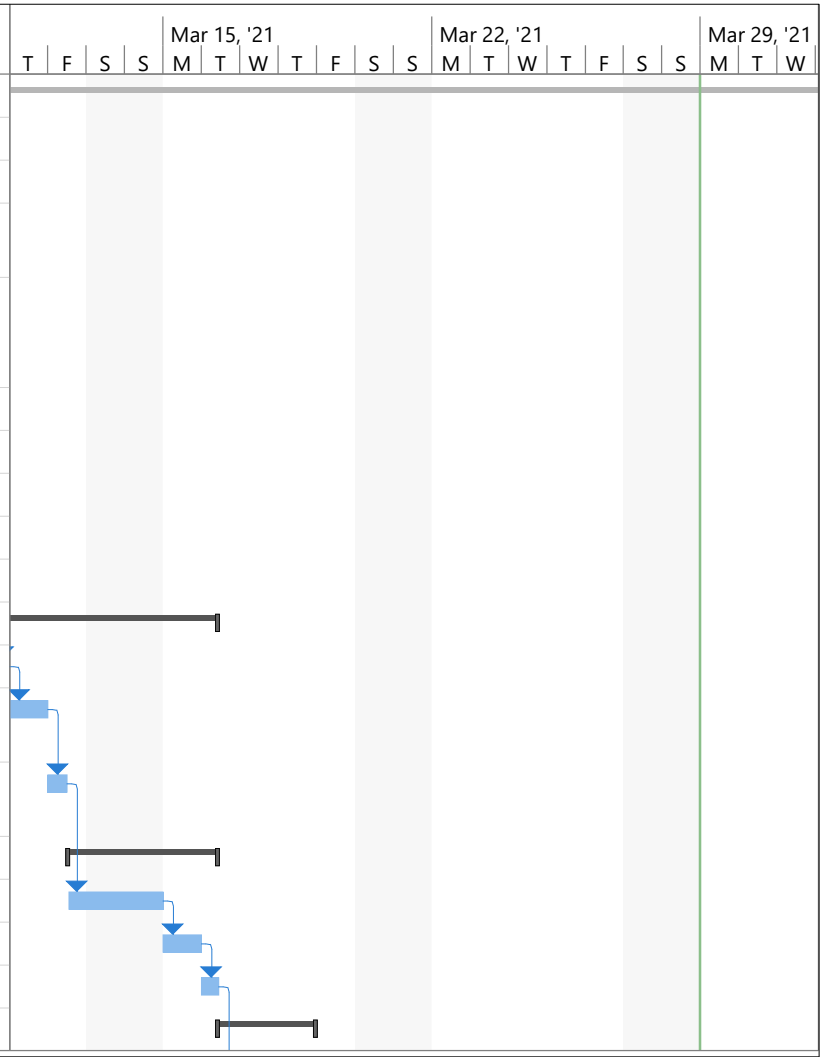


Project: IST345S21A1BChenW
Date: Mon 3/29/21

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| Milestone | Duration-only | Deadline |
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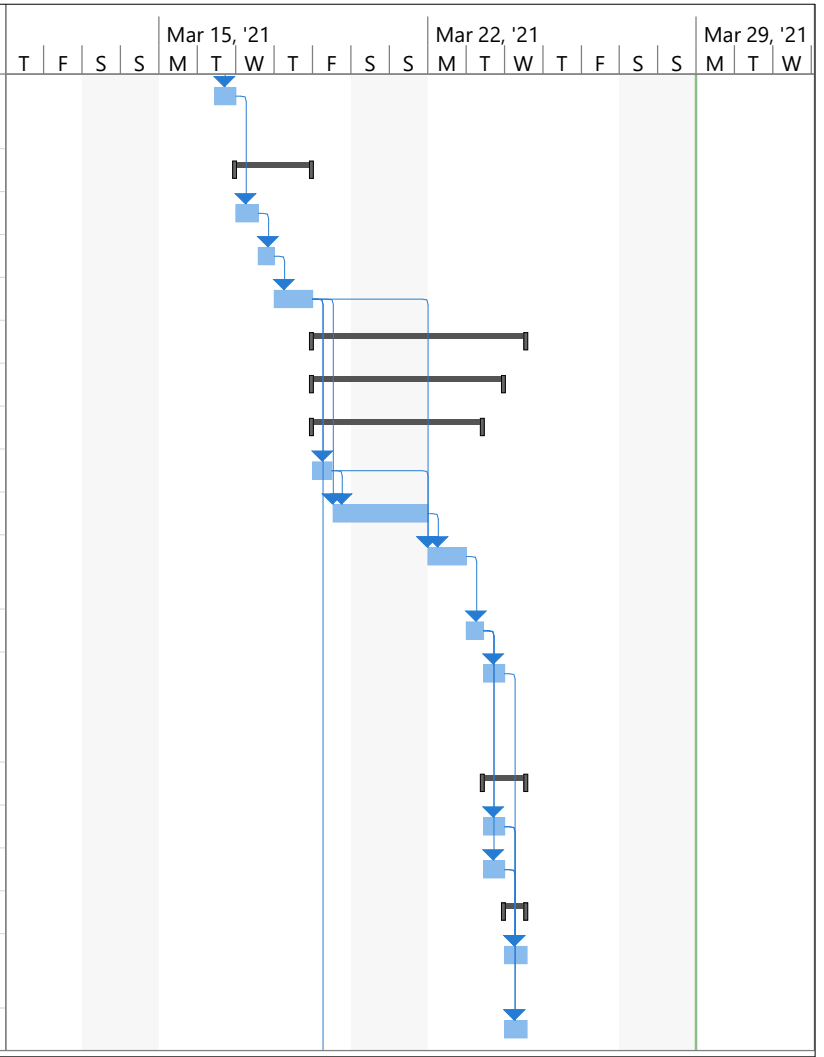


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| ID | Task Mode | Task Name |
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| 39 | | **6.1 Information Security Setup** |
| 40 | | 6.1.1 Determine if CP wants a dedicated AWS (cloud environment) |
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| 43 | | **6.2.1 Source Land Data** |
| 44 | | 6.2.1.1 Callon Petroleum prepares land data for export |
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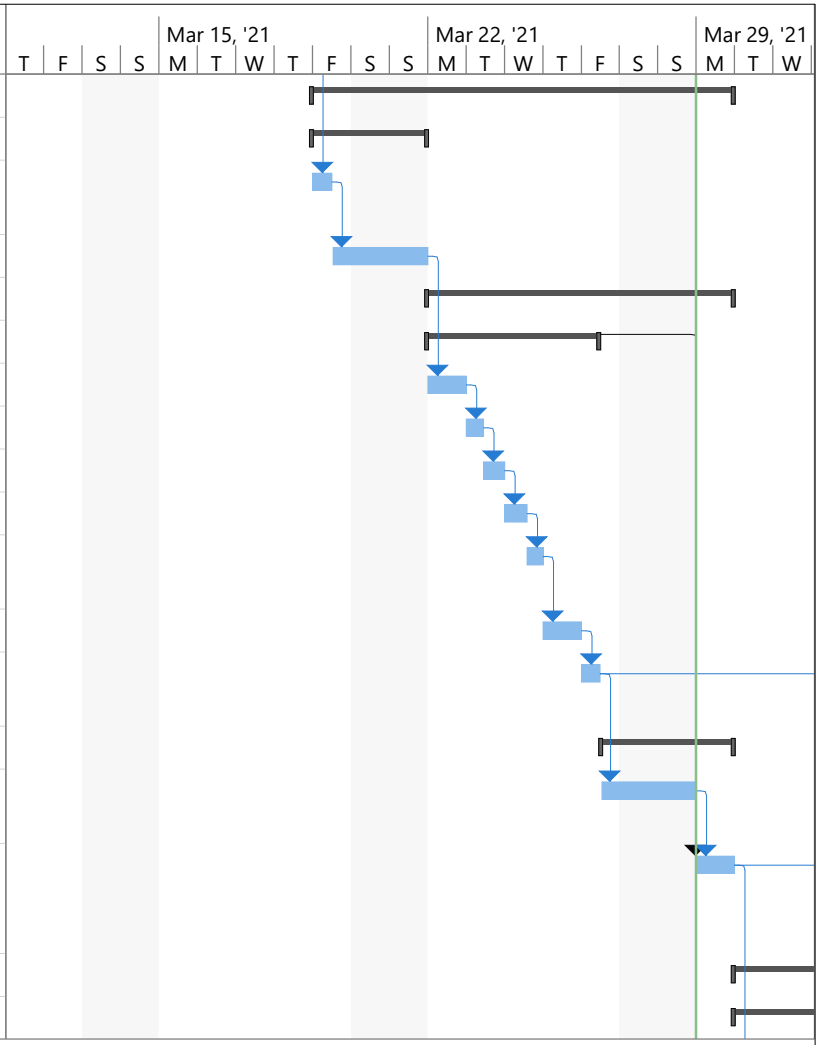


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| Inactive Milestone | | Finish-only | | | |

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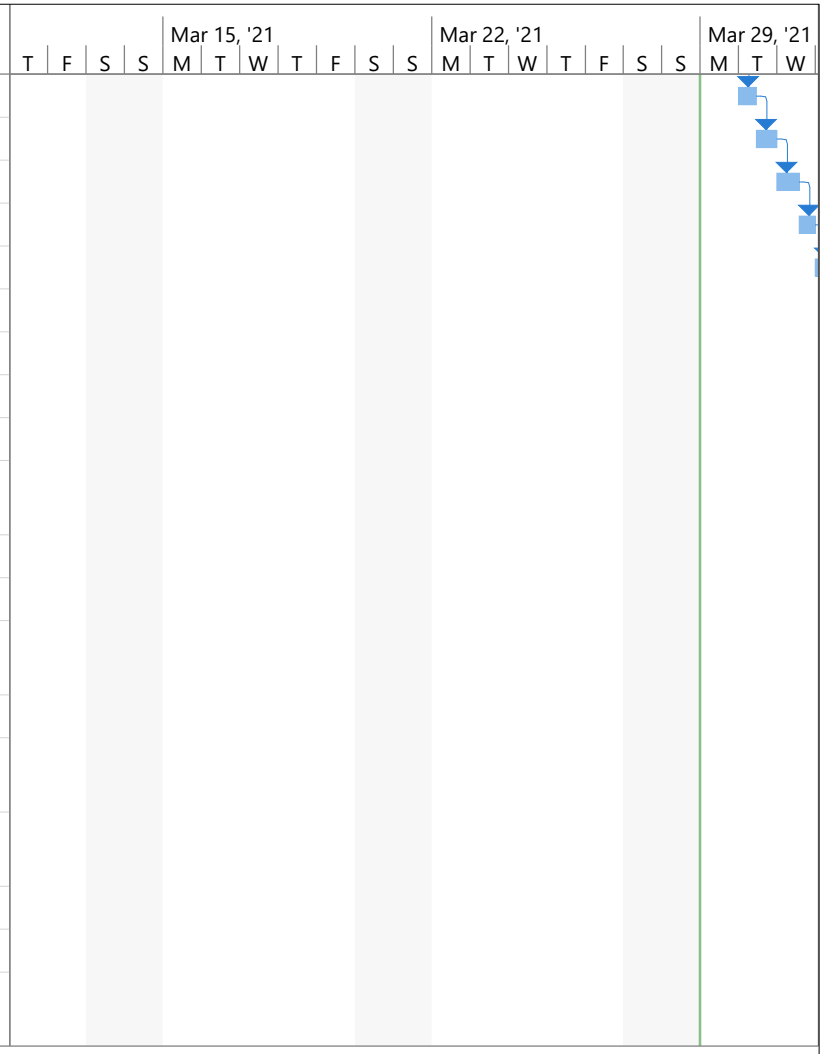


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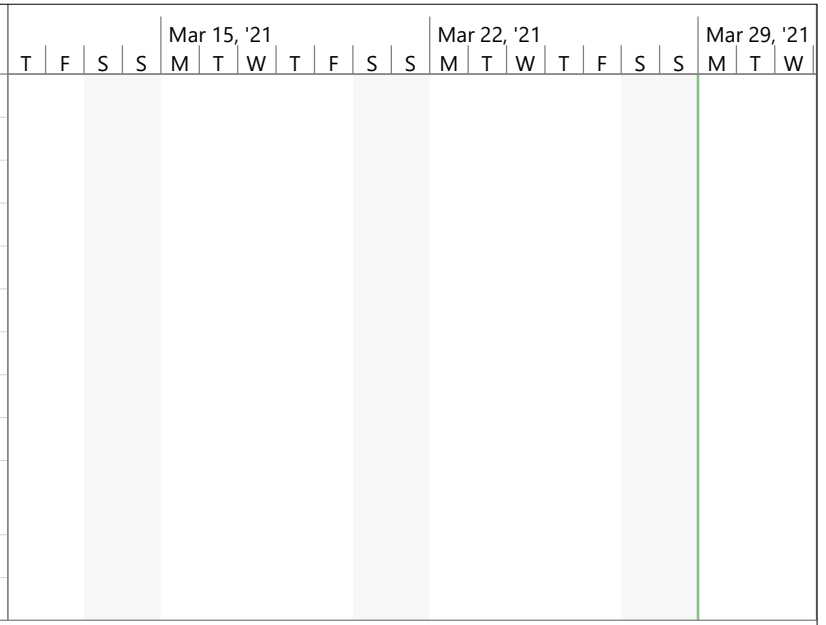


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| ID | Task Mode | Task Name |
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| 0 | | **IST345S21A1BChenW** |
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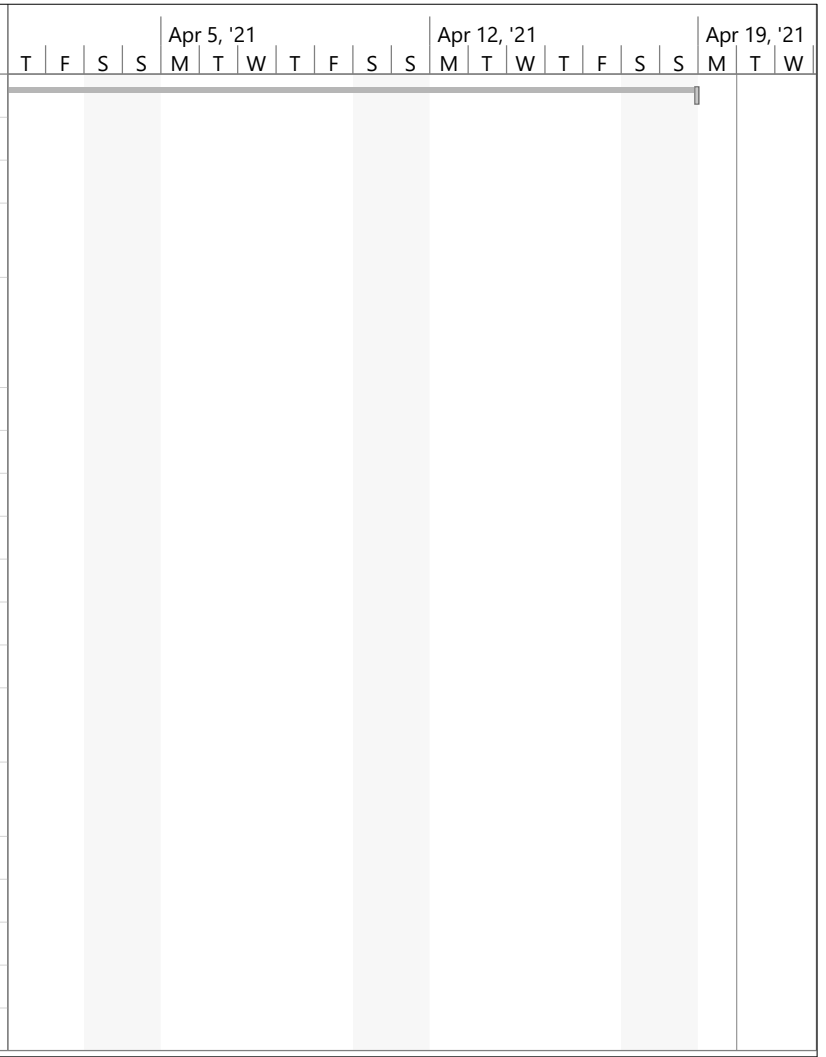


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Task
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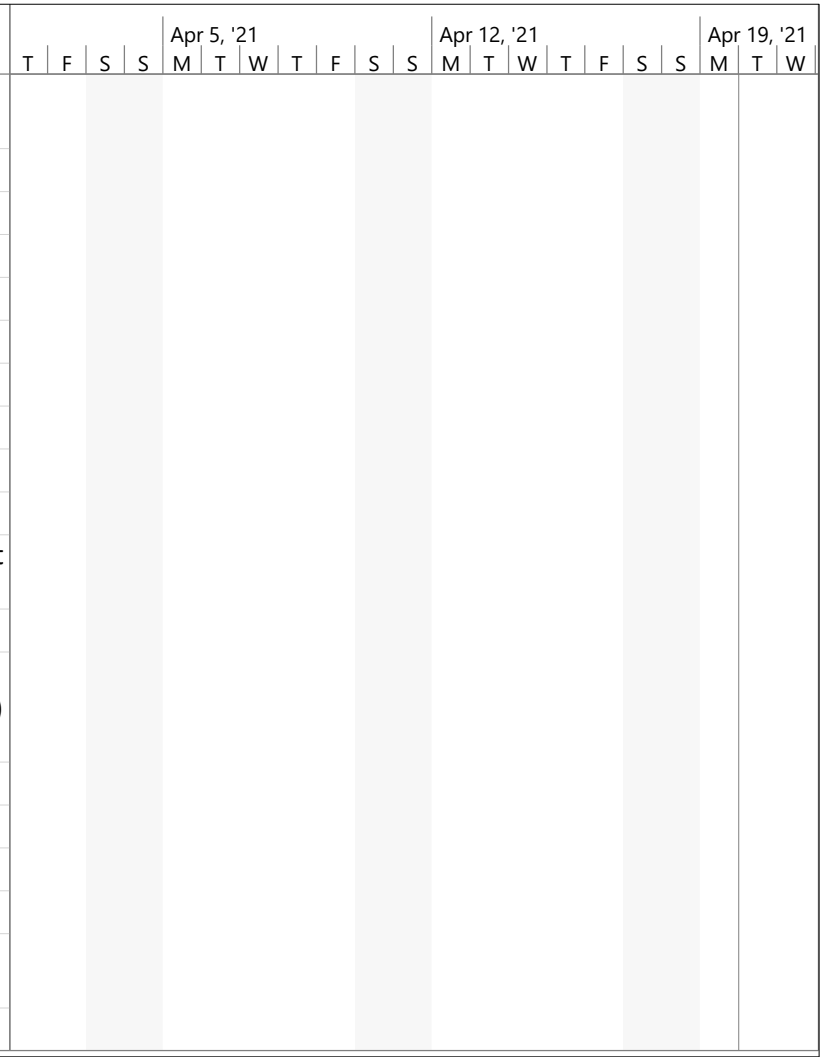


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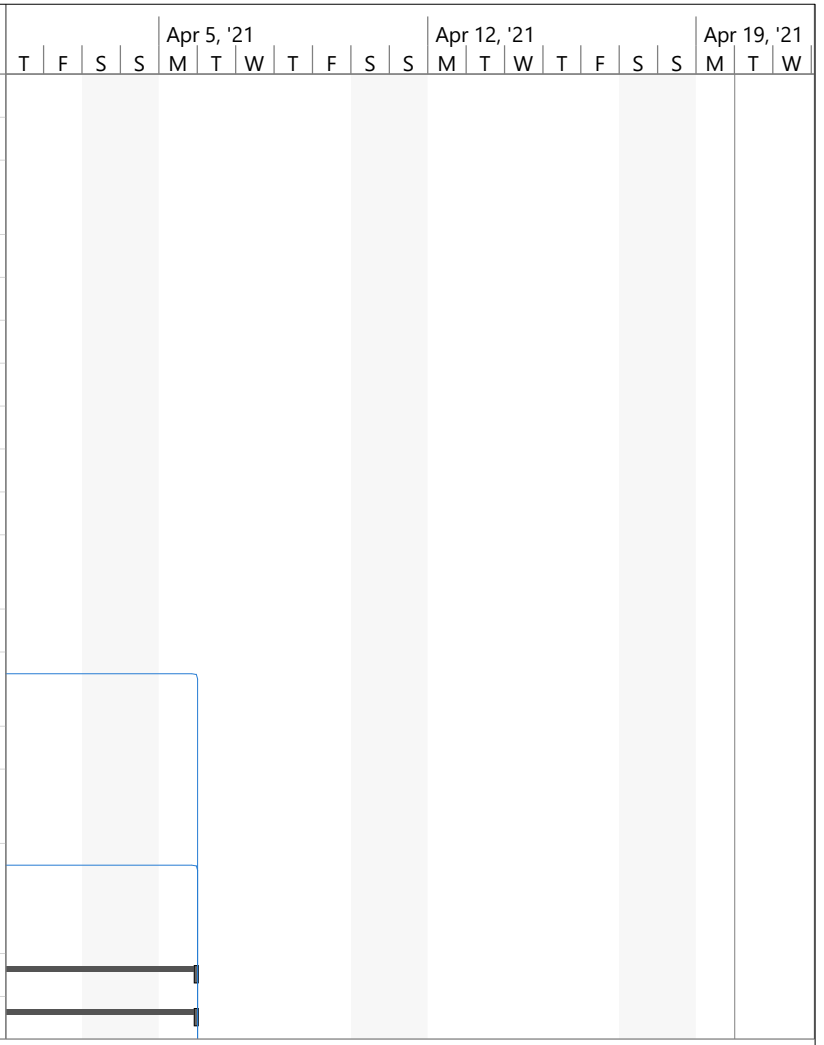


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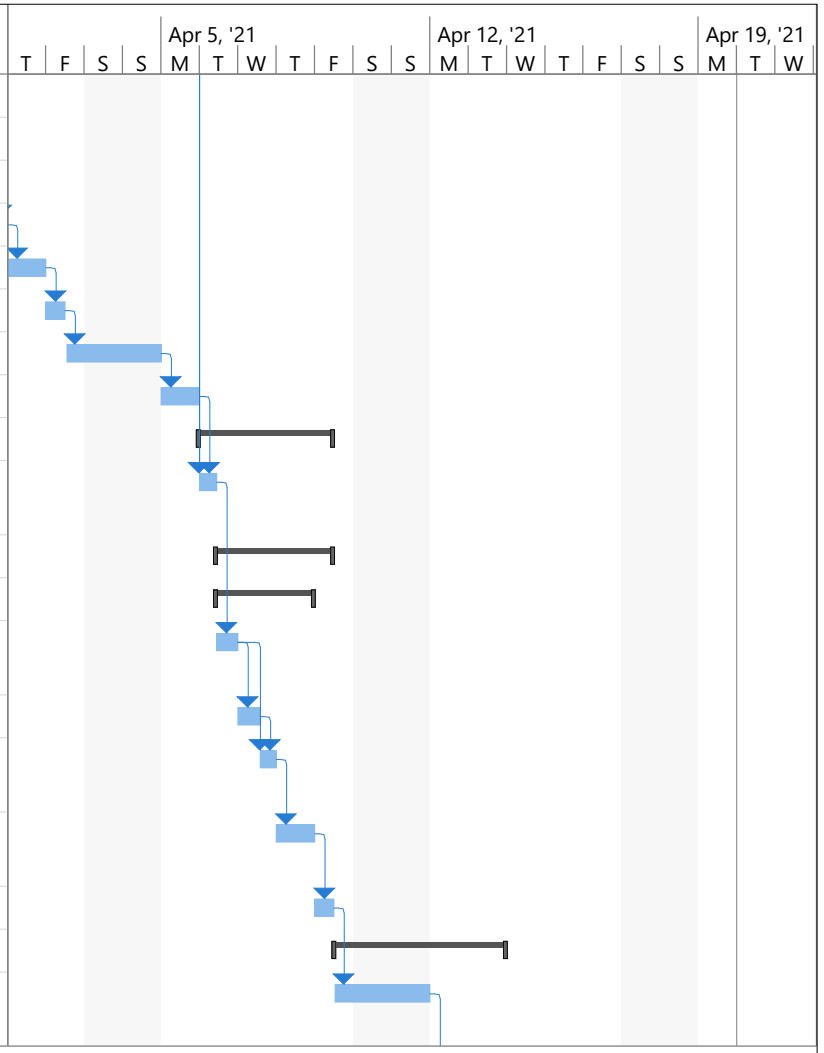


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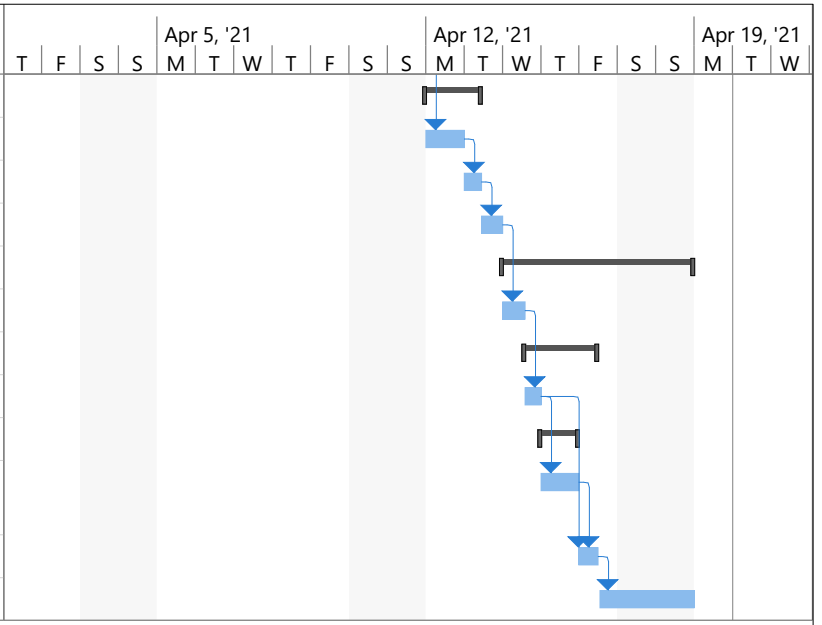


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