

CONTINENTAL RESOURCES

Location: COLORADO Slot: SLOTT#01 LEGGETT 1-SH(1970FSL & 250FWL, SEC.05)

Field: WELD COUNTY Well: LEGGETT 1-SH

Facility: SEC-05-107N-R60W Wellbore: LEGGETT 1-SH PWB

Pilot reference wellpath is LEGGETT 1-SH (REV-B.0) PWB

| | |
|--|--|
| True vertical depths are referenced to RIG (R60) | |
| Measured depths are referenced to RIG (R60) | |
| RIG (R60) is Mean Sea Level, 4300 feet | |
| Mean Sea Level is 4300 feet | |
| Pilot reference wellpath is LEGGETT 1-SH (REV-B.0) PWB | |
| Coordinates are in feet referenced to BAC | |

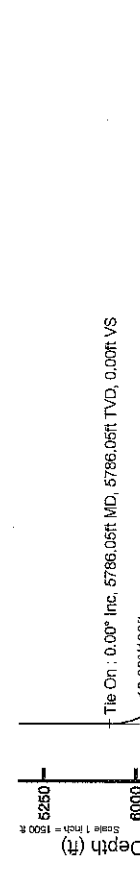
| Location Information | | | |
|----------------------|--|--------------------|--|
| Facility Name | | | |
| SEC-05-107N-R60W | | | |
| Grid East (US ft) | | Grid North (US ft) | |
| 3381877.655 | | 1485263.352 | |
| Grid East (US ft) | | Grid North (US ft) | |
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| Grid East (US ft) | | Grid North (US ft) | |
| 3381877.655 | | 1485263.352 | |

| Targets | | | |
|--------------------------------|---------|--------------|--------------|
| Name | MD (ft) | Local E (ft) | Local N (ft) |
| EX-CASSADY #1 | 0.00 | 1970.00 | 250.00 |
| EX-CASSADY #2 | 0.00 | 1970.00 | 250.00 |
| EX-CASSADY #3 | 0.00 | 1970.00 | 250.00 |
| EX-CASSADY #4 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH SECTION 05 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH BHL ON PLAT REV-1 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH BHL ON PLAT REV-1 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH BHL ON PLAT REV-1 | 0.00 | 1970.00 | 250.00 |

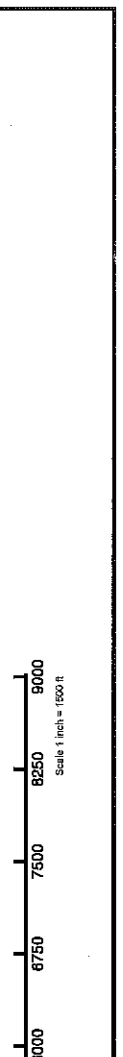
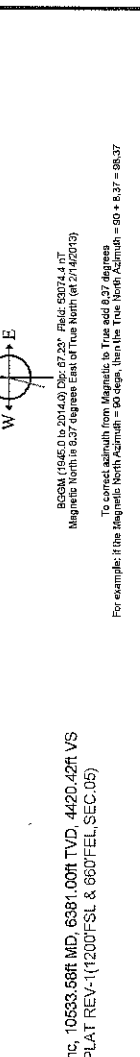
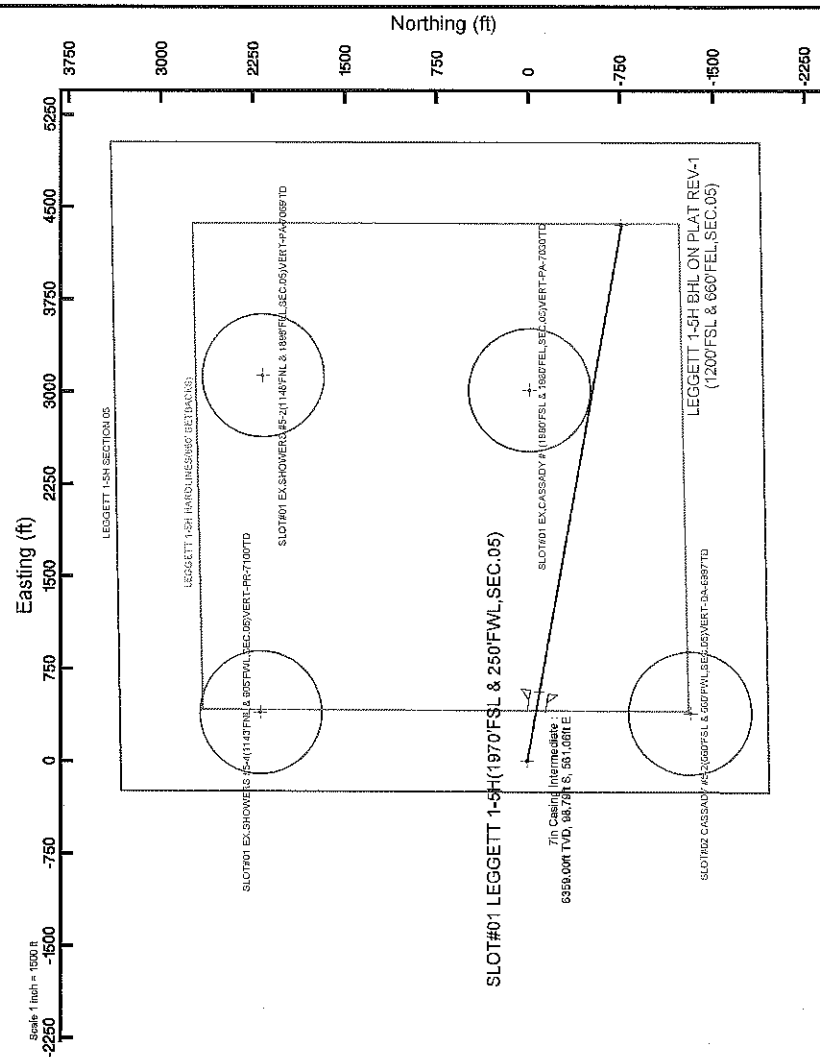
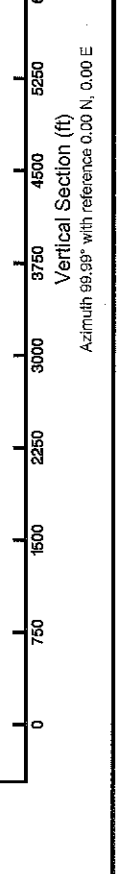
| Well Profile Data | | | |
|-------------------|----------|----------|----------|
| Design Comment | MD (ft) | Inc. (°) | TVD (ft) |
| Tie On | 22.00 | 0.000 | 99.986 |
| Tie On | 5786.05 | 0.000 | 99.986 |
| End of Build | 6682.76 | 89.673 | 99.986 |
| End of Tangent | 10533.58 | 89.673 | 99.986 |



| Targets | | | |
|--------------------------------|---------|--------------|--------------|
| Name | MD (ft) | Local E (ft) | Local N (ft) |
| EX-CASSADY #1 | 0.00 | 1970.00 | 250.00 |
| EX-CASSADY #2 | 0.00 | 1970.00 | 250.00 |
| EX-CASSADY #3 | 0.00 | 1970.00 | 250.00 |
| EX-CASSADY #4 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH SECTION 05 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH BHL ON PLAT REV-1 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH BHL ON PLAT REV-1 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH BHL ON PLAT REV-1 | 0.00 | 1970.00 | 250.00 |



| Targets | | | |
|--------------------------------|---------|--------------|--------------|
| Name | MD (ft) | Local E (ft) | Local N (ft) |
| EX-CASSADY #1 | 0.00 | 1970.00 | 250.00 |
| EX-CASSADY #2 | 0.00 | 1970.00 | 250.00 |
| EX-CASSADY #3 | 0.00 | 1970.00 | 250.00 |
| EX-CASSADY #4 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH SECTION 05 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH BHL ON PLAT REV-1 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH BHL ON PLAT REV-1 | 0.00 | 1970.00 | 250.00 |
| LEGGETT 1-SH BHL ON PLAT REV-1 | 0.00 | 1970.00 | 250.00 |





Planned Wellpath Report

LEGGETT 1-5H (REV-B.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|-----------------------|----------------|---|
| Operator | CONTINENTAL RESOURCES | Slot | SLOT#01 LEGGETT 1-5H(1970'FSL & 250'FWL,SEC.05) |
| Area | COLORADO | Well | LEGGETT 1-5H |
| Field | WELD COUNTY | Wellbore | LEGGETT 1-5H PWB |
| Facility | SEC.05-T07N-R60W | Sidetrack from | LEGGETT 1-5H PILOT HOLE PWB at 5786.00 MD |

REPORT SETUP INFORMATION

| | | | |
|---------------------|---|----------------------|--------------------------------|
| Projection System | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System | WellArchitect® 3.0.2 |
| North Reference | True | User | Painsetr |
| Scale | 0.999976 | Report Generated | 2/28/2013 at 10:50:03 AM |
| Convergence at slot | 0.89° East | Database/Source file | WA_Denver/LEGGETT_1-5H_PWB.xml |

WELLPATH LOCATION

| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | 0.00 | 0.00 | 3381677.81 | 1465240.35 | 40°36'08.503"N | 104°07'31.498"W |
| Facility Reference Pt | | | 3381677.81 | 1465240.35 | 40°36'08.503"N | 104°07'31.498"W |
| Field Reference Pt | | | 3356783.00 | 1528312.83 | 40°46'35.364"N | 104°12'42.336"W |

WELLPATH DATUM

| | | | |
|--------------------------|-------------------|---|-------------------|
| Calculation method | Minimum curvature | RIG (RKB) to Facility Vertical Datum | 4939.00ft |
| Horizontal Reference Pt | Slot | RIG (RKB) to Mean Sea Level | 4939.00ft |
| Vertical Reference Pt | RIG (RKB) | RIG (RKB) to Mud Line at Slot (SLOT#01 LEGGETT 1-5H(1970'FSL & 250'FWL,SEC.05)) | 4939.00ft |
| MD Reference Pt | RIG (RKB) | Section Origin | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level | Section Azimuth | 99.99° |



Planned Wellpath Report

LEGGETT 1-5H (REV-B.0) PWP
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-----------------------|----------------|---|
| Operator | CONTINENTAL RESOURCES | Slot | SLOT#01 LEGGETT 1-5H(1970'FSL & 250'FWL,SEC.05) |
| Area | COLORADO | Well | LEGGETT 1-5H |
| Field | WELD COUNTY | Wellbore | LEGGETT 1-5H PWB |
| Facility | SEC.05-T07N-R60W | Sidetrack from | LEGGETT 1-5H PILOT HOLE PWB at 5786.00 MD |

| WELLPATH DATA (50 stations) † = interpolated/extrapolated station | | | | | | | | |
|---|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|--------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments |
| 5786.05 | 0.000 | 99.986 | 5786.05 | 0.00 | 0.00 | 0.00 | 0.00 | Tie On |
| 5886.05† | 10.000 | 99.986 | 5885.54 | 8.70 | -1.51 | 8.57 | 10.00 | |
| 5986.05† | 20.000 | 99.986 | 5982.01 | 34.55 | -5.99 | 34.03 | 10.00 | |
| 6086.05† | 30.000 | 99.986 | 6072.53 | 76.76 | -13.31 | 75.60 | 10.00 | |
| 6186.05† | 40.000 | 99.986 | 6154.34 | 134.05 | -23.24 | 132.02 | 10.00 | |
| 6286.05† | 50.000 | 99.986 | 6224.96 | 204.67 | -35.49 | 201.57 | 10.00 | |
| 6386.05† | 60.000 | 99.986 | 6282.25 | 286.48 | -49.68 | 282.14 | 10.00 | |
| 6486.05† | 70.000 | 99.986 | 6324.45 | 376.99 | -65.37 | 371.28 | 10.00 | |
| 6586.05† | 80.000 | 99.986 | 6350.30 | 473.46 | -82.10 | 466.29 | 10.00 | |
| 6682.78 | 89.673 | 99.986 | 6359.00 | 569.68 | -98.79 | 561.05 | 10.00 | End of Build |
| 6686.05† | 89.673 | 99.986 | 6359.02 | 572.96 | -99.36 | 564.28 | 0.00 | |
| 6786.05† | 89.673 | 99.986 | 6359.59 | 672.96 | -116.70 | 662.76 | 0.00 | |
| 6886.05† | 89.673 | 99.986 | 6360.16 | 772.95 | -134.04 | 761.24 | 0.00 | |
| 6986.05† | 89.673 | 99.986 | 6360.73 | 872.95 | -151.38 | 859.73 | 0.00 | |
| 7086.05† | 89.673 | 99.986 | 6361.30 | 972.95 | -168.72 | 958.21 | 0.00 | |
| 7186.05† | 89.673 | 99.986 | 6361.87 | 1072.95 | -186.06 | 1056.69 | 0.00 | |
| 7286.05† | 89.673 | 99.986 | 6362.45 | 1172.95 | -203.40 | 1155.18 | 0.00 | |
| 7386.05† | 89.673 | 99.986 | 6363.02 | 1272.95 | -220.74 | 1253.66 | 0.00 | |
| 7486.05† | 89.673 | 99.986 | 6363.59 | 1372.94 | -238.08 | 1352.14 | 0.00 | |
| 7586.05† | 89.673 | 99.986 | 6364.16 | 1472.94 | -255.42 | 1450.63 | 0.00 | |
| 7686.05† | 89.673 | 99.986 | 6364.73 | 1572.94 | -272.76 | 1549.11 | 0.00 | |
| 7786.05† | 89.673 | 99.986 | 6365.30 | 1672.94 | -290.10 | 1647.59 | 0.00 | |
| 7886.05† | 89.673 | 99.986 | 6365.87 | 1772.94 | -307.44 | 1746.08 | 0.00 | |
| 7986.05† | 89.673 | 99.986 | 6366.44 | 1872.94 | -324.78 | 1844.56 | 0.00 | |
| 8086.05† | 89.673 | 99.986 | 6367.02 | 1972.93 | -342.12 | 1943.04 | 0.00 | |
| 8186.05† | 89.673 | 99.986 | 6367.59 | 2072.93 | -359.46 | 2041.53 | 0.00 | |
| 8286.05† | 89.673 | 99.986 | 6368.16 | 2172.93 | -376.80 | 2140.01 | 0.00 | |
| 8386.05† | 89.673 | 99.986 | 6368.73 | 2272.93 | -394.15 | 2238.50 | 0.00 | |
| 8486.05† | 89.673 | 99.986 | 6369.30 | 2372.93 | -411.49 | 2336.98 | 0.00 | |
| 8586.05† | 89.673 | 99.986 | 6369.87 | 2472.93 | -428.83 | 2435.46 | 0.00 | |



Planned Wellpath Report

LEGGETT 1-5H (REV-B.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|-----------------------|----------------|---|
| Operator | CONTINENTAL RESOURCES | Slot | SLOT#01 LEGGETT 1-5H(1970'FSL & 250'FWL,SEC.05) |
| Area | COLORADO | Well | LEGGETT 1-5H |
| Field | WELD COUNTY | Wellbore | LEGGETT 1-5H PWB |
| Facility | SEC.05-T07N-R60W | Sidetrack from | LEGGETT 1-5H PILOT HOLE PWB at 5786.00 MD |

WELLPATH DATA (50 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|----------------------|-------------------|---------------|--------------|------------------|----------------|
| 8686.05† | 89.673 | 99.986 | 6370.44 | 2572.93 | -446.17 | 2533.95 | 0.00 | |
| 8786.05† | 89.673 | 99.986 | 6371.02 | 2672.92 | -463.51 | 2632.43 | 0.00 | |
| 8886.05† | 89.673 | 99.986 | 6371.59 | 2772.92 | -480.85 | 2730.91 | 0.00 | |
| 8986.05† | 89.673 | 99.986 | 6372.16 | 2872.92 | -498.19 | 2829.40 | 0.00 | |
| 9086.05† | 89.673 | 99.986 | 6372.73 | 2972.92 | -515.53 | 2927.88 | 0.00 | |
| 9186.05† | 89.673 | 99.986 | 6373.30 | 3072.92 | -532.87 | 3026.36 | 0.00 | |
| 9286.05† | 89.673 | 99.986 | 6373.87 | 3172.92 | -550.21 | 3124.85 | 0.00 | |
| 9386.05† | 89.673 | 99.986 | 6374.44 | 3272.91 | -567.55 | 3223.33 | 0.00 | |
| 9486.05† | 89.673 | 99.986 | 6375.01 | 3372.91 | -584.89 | 3321.81 | 0.00 | |
| 9586.05† | 89.673 | 99.986 | 6375.59 | 3472.91 | -602.23 | 3420.30 | 0.00 | |
| 9686.05† | 89.673 | 99.986 | 6376.16 | 3572.91 | -619.57 | 3518.78 | 0.00 | |
| 9786.05† | 89.673 | 99.986 | 6376.73 | 3672.91 | -636.91 | 3617.26 | 0.00 | |
| 9886.05† | 89.673 | 99.986 | 6377.30 | 3772.91 | -654.25 | 3715.75 | 0.00 | |
| 9986.05† | 89.673 | 99.986 | 6377.87 | 3872.90 | -671.59 | 3814.23 | 0.00 | |
| 10086.05† | 89.673 | 99.986 | 6378.44 | 3972.90 | -688.94 | 3912.71 | 0.00 | |
| 10186.05† | 89.673 | 99.986 | 6379.01 | 4072.90 | -706.28 | 4011.20 | 0.00 | |
| 10286.05† | 89.673 | 99.986 | 6379.59 | 4172.90 | -723.62 | 4109.68 | 0.00 | |
| 10386.05† | 89.673 | 99.986 | 6380.16 | 4272.90 | -740.96 | 4208.16 | 0.00 | |
| 10486.05† | 89.673 | 99.986 | 6380.73 | 4372.90 | -758.30 | 4306.65 | 0.00 | |
| 10533.58 | 89.673 | 99.986 | 6381.00 [†] | 4420.42 | -766.54 | 4353.45 | 0.00 | End of Tangent |



Planned Wellpath Report

LEGGETT 1-5H (REV-B.0) PWP

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-----------------------|----------------|---|
| Operator | CONTINENTAL RESOURCES | Slot | SLOT#01 LEGGETT 1-5H(1970'FSL & 250'FWL,SEC.05) |
| Area | COLORADO | Well | LEGGETT 1-5H |
| Field | WELD COUNTY | Wellbore | LEGGETT 1-5H PWB |
| Facility | SEC.05-T07N-R60W | Sidetrack from | LEGGETT 1-5H PILOT HOLE PWB at 5786.00 MD |

| TARGETS | | | | | | | | | |
|--|----------|----------|------------|-----------|-------------------|--------------------|----------------|-----------------|---------|
| Name | MD [ft] | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
| EX.CASSADY #1 | | 0.00 | -16.94 | 3013.72 | 3384691.34 | 1465270.13 | 40°36'08.334"N | 104°06'52.427"W | circle |
| EX.CASSADY #5-2 | | 0.00 | -1328.69 | 386.82 | 3382085.17 | 1463917.85 | 40°35'55.374"N | 104°07'26.483"W | circle |
| EX.SHOWERS #5-2 | | 0.00 | 2165.38 | 3132.84 | 3384776.63 | 1467453.98 | 40°36'29.898"N | 104°06'50.879"W | circle |
| EX.SHOWERS #5-4 | | 0.00 | 2181.58 | 394.87 | 3382038.80 | 1467427.74 | 40°36'30.060"N | 104°07'26.378"W | circle |
| LEGGETT 1-5H SECTION 05 | | 0.00 | 0.00 | 0.00 | 3381677.80 | 1465240.35 | 40°36'08.503"N | 104°07'31.498"W | polygon |
| 1) LEGGETT 1-5H BHL ON PLAT REV-1(1200'FSL & 660'FEL,SEC.05) | 10533.58 | 6381.00 | -766.54 | 4353.45 | 3386042.50 | 1464541.41 | 40°36'00.925"N | 104°06'35.060"W | point |
| LEGGETT 1-5H HARDLINES(660' SETBACKS) | | 6381.00 | 0.00 | 0.00 | 3381677.80 | 1465240.35 | 40°36'08.503"N | 104°07'31.498"W | polygon |

| SURVEY PROGRAM - Ref Wellbore: LEGGETT 1-5H PWB Ref Wellpath: LEGGETT 1-5H (REV-B.0) PWP | | | | |
|--|-------------|------------------------------|------------------|-----------------------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
| 22.00 | 5786.05 | NaviTrak (Standard) | | LEGGETT 1-5H PILOT HOLE PWB |
| 5786.05 | 12000.00 | NaviTrak (Standard) | | LEGGETT 1-5H PWB |



Planned Wellpath Report

LEGGETT 1-5H (REV-B.0) PWP
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-----------------------|----------------|---|
| Operator | CONTINENTAL RESOURCES | Slot | SLOT#01 LEGGETT 1-5H(1970'FSL & 250'FWL,SEC.05) |
| Area | COLORADO | Well | LEGGETT 1-5H |
| Field | WELD COUNTY | Wellbore | LEGGETT 1-5H PWB |
| Facility | SEC.05-T07N-R60W | Sidetrack from | LEGGETT 1-5H PILOT HOLE PWB at 5786.00 MD |

| DESIGN COMMENTS | | | | |
|-----------------|--------------------|----------------|-------------|----------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Comment |
| 22.00 | 0.000 | 99.986 | 22.00 | Tie On |
| 5786.05 | 0.000 | 99.986 | 5786.05 | Tie On |
| 6682.78 | 89.673 | 99.986 | 6359.00 | End of Build |
| 10533.58 | 89.673 | 99.986 | 6381.00 | End of Tangent |