| Well Design Schematic for 'Weaverthorpe 1' | | | | | | | | Option1: "Slant well" 29-Nov-2024 | | | |
|--|--|------------------------|------------|-------|---|--------------------------|--|---|--|--------------------|--|
| Operator: Egdon Resources U.K. Limited | | | | | | | Surface Locations (BNG OSGB1936) & Elevations (m) (all provisional) | | | | |
| Well Name: Weaverthorpe 1 (L41/28- 2 provisional) | | | | | | | | | | | |
| County, Country: North Yorkshire, onshore UK | | | | | | | Surface Location: E: 502370.00 , N: 473150.00 | | | | |
| Licence: PEDL347 | | | | | | | Bottom Hole Location: E: 502230.55 , N: 473452.33 | | | | |
| Well Type: Deviated Exploration Well for gas in Triassic aged Sherwood Sandstone Drilling Unit: to be confirmed | | | | | | | Elevations: Ground level at c.75m above Mean Sea Level (MSL), Rig- 18's RKB at nominally 5m (ref Rig-18) above Ground Level (GL), c.80 above MSL | | | | |
| | | | | | | | | | | | |
| Measured Depth (m.RKB) | Formation Names | Prognosed Lithology | Fault cuts | • oil | Hole & Casing sizes, setting depths (all RKB unless noted) Anticipated b | | Drilling Fluid, Type and Density | Casing (provisional) | | | |
| | | | | 🜣 gas | | (INDO COGE) | Deliaity | Casing | Interval (m) | Casing Specificati | |
| 0 | Cretaceous Chalk Group | | | | 16" hole set at approx. 0-15m RKB into superficial deposits and Chalk | 4-3-7 tricone or similar | Air Water | 13-3/8" conductor casing | ±15m to surface | TBD | |
| 250 | Hunstanton Fm Speeton Clay | | Fault | | 12-1/4" hole 15-280m | 4-3-7 tricone or similar | Bentonite | 9-5/8" to surface | From 280m to surface | TBD | |
| 500 | Kimmeridge Clay Corallian Group Oxford Clay Estuarine Group | | | | 8-1/2" hole section drilled 280m to approx. 780m | PDC bit | KCI Polymer | | From 780m to surface | TBD | |
| 750 | Lower Lias Mercia Mudstone | | Fault | | | | | | | | |
| 1,000 | Muschelkalk Sherwood Sandstone | | | ¢ | 6" hole 780 - 1,130m TD; ~50m below GWC | PDC bit | KCI Polymer | 4-1/2" (or 5") production liner (success case), to surface | From plugged back depth (above GWC) or TD to surface | TBD | |
| 1,125 | TD | | | | | | | | | | |