



Authority for Expenditure Drilling, Completion, Facilities

WELL NAME: Helle 1H-25X

AFEN NO.

RC NO.

Date: 3/21/17

3/21/17 E 206

| OPERATOR: | STATE | COUNTY | SECTION | TOWNSHIP | RANGE | PROPOSED TD |
|--|---------------------|-----------------|-----------------|---------------|--------------|-------------------|
| Newfield Exploration-Mid Continent | OK | Blaine | 25.36 | 16N | 11W | 10,692' / 21,135' |
| DRILLING COMMENTS | COMPLETION COMMENTS | | | | FACILITIES | |
| DETAIL OF ESTIMATED EXPENDITURES | COST CODE | DRILLING | COMPLETION | FACILITIES | ART. LIFT | TOTAL |
| INTANGIBLES | | | | | | |
| Base / Field Office Operations | 101 | \$ 38,007.00 | \$ 30,000.00 | \$ - | \$ - | \$ 68,007.00 |
| Cased Hole Electric Wireline | 102 | \$ - | \$ 515,000.00 | \$ - | \$ - | \$ 515,000.00 |
| Services - Casing Crews and Running Tools | 103 | \$ 115,000.00 | \$ 50,000.00 | \$ - | \$ 4,500.00 | \$ 169,500.00 |
| Services Cementing/Coil Tubing Unit | 105 | \$ 185,000.00 | \$ - | \$ - | \$ - | \$ 185,000.00 |
| Communications | 109 | \$ 5,980.00 | \$ - | \$ 30,000.00 | \$ - | \$ 35,980.00 |
| Consultants | 110 | \$ 106,648.00 | \$ 125,000.00 | \$ - | \$ - | \$ 231,648.00 |
| Core / Fluid Analysis | 111 | \$ - | \$ - | \$ - | \$ 1,000.00 | \$ 1,000.00 |
| Directional Drilling Operations | 113 | \$ 259,753.00 | \$ - | \$ - | \$ - | \$ 259,753.00 |
| Environmental & Safety Services | 117 | \$ 1,063.00 | \$ 35,000.00 | \$ - | \$ - | \$ 36,063.00 |
| Fishing Services | 119 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Fluids Disposal (includes transportation) | 120 | \$ 139,865.00 | \$ 20,000.00 | \$ - | \$ - | \$ 159,865.00 |
| Services Formation Evaluation | 121 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Formation Stimulation - Fracturing | 122 | \$ - | \$ 3,020,000.00 | \$ - | \$ - | \$ 3,020,000.00 |
| Formation Stimulation - Other | 123 | \$ - | \$ 20,000.00 | \$ - | \$ - | \$ 20,000.00 |
| Hot Oiling Services | 128 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Inspection - Bottom Hole Assembly | 129 | \$ 10,000.00 | \$ - | \$ - | \$ - | \$ 10,000.00 |
| Inspection - Casing | 130 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Inspection - Drill Pipe | 131 | \$ 30,000.00 | \$ - | \$ - | \$ - | \$ 30,000.00 |
| Inspection - Site | 132 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Inspection - Tubing | 133 | \$ - | \$ 11,000.00 | \$ - | \$ - | \$ 11,000.00 |
| Installation / Removal - Pipeline | 135 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Instrumentation | 138 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Labor - Company Supervision | 139 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Company Labor | 140 | \$ - | \$ - | \$ 5,000.00 | \$ 2,000.00 | \$ 7,000.00 |
| Labor - Contract Employees | 141 | \$ - | \$ - | \$ 40,000.00 | \$ - | \$ 40,000.00 |
| Location Preparation | 143 | \$ 120,000.00 | \$ 1,000.00 | \$ 13,000.00 | \$ - | \$ 134,000.00 |
| Location Remediation & Maintenance | 144 | \$ 117,500.00 | \$ 12,500.00 | \$ 2,000.00 | \$ - | \$ 132,000.00 |
| Services Miscellaneous | 146 | \$ 26,577.00 | \$ 6,500.00 | \$ - | \$ - | \$ 33,077.00 |
| Mud Logging Services | 147 | \$ 23,919.00 | \$ - | \$ - | \$ - | \$ 23,919.00 |
| Drilling & Completion Rig Costs | 150 | \$ 409,301.00 | \$ 125,000.00 | \$ - | \$ 9,000.00 | \$ 543,301.00 |
| Drilling Well Turnkey Costs | 152 | \$ 25,000.00 | \$ - | \$ - | \$ - | \$ 25,000.00 |
| Rig Mobilization & De-Mobilization | 153 | \$ 132,500.00 | \$ - | \$ - | \$ - | \$ 132,500.00 |
| Security Services | 154 | \$ - | \$ 15,000.00 | \$ - | \$ - | \$ 15,000.00 |
| Shedding Services | 155 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Survey - Location | 156 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Survey - Well | 157 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Testing - Well Control Equipment | 160 | \$ 22,200.00 | \$ 8,000.00 | \$ - | \$ - | \$ 30,200.00 |
| Transportation - Land | 162 | \$ 8,770.00 | \$ 25,000.00 | \$ 10,000.00 | \$ 2,000.00 | \$ 45,770.00 |
| Tubular Conveyed Perforating & Drill Stem Testing Services | 165 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Services Welding | 166 | \$ 3,000.00 | \$ - | \$ - | \$ - | \$ 3,000.00 |
| Drill Bits | 301 | \$ 202,500.00 | \$ 5,000.00 | \$ - | \$ - | \$ 207,500.00 |
| Blow-Out Preventor | 302 | \$ 13,288.00 | \$ 50,000.00 | \$ - | \$ 1,500.00 | \$ 64,788.00 |
| Completion Fluids | 304 | \$ - | \$ 5,000.00 | \$ - | \$ - | \$ 5,000.00 |
| Cranes | 307 | \$ - | \$ 10,000.00 | \$ - | \$ - | \$ 10,000.00 |
| Drill String | 310 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Electrical Repairs | 311 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Fuel | 313 | \$ 66,441.00 | \$ 215,000.00 | \$ - | \$ - | \$ 281,441.00 |
| Gas Measurement | 317 | \$ - | \$ - | \$ 10,000.00 | \$ - | \$ 10,000.00 |
| Heaters - Indirect Line | 321 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Rent Lost in Hole | 325 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Rent Miscellaneous Surface Equipment | 328 | \$ 9,302.00 | \$ 150,000.00 | \$ 15,000.00 | \$ 5,000.00 | \$ 179,302.00 |
| Mud - Drilling | 329 | \$ 247,986.00 | \$ - | \$ - | \$ - | \$ 247,986.00 |
| Mud Monitoring & Processing Equipment | 330 | \$ 63,153.00 | \$ - | \$ - | \$ - | \$ 63,153.00 |
| Stabilizer, Under-Reamer, Hole-Opener | 341 | \$ 10,631.00 | \$ - | \$ - | \$ - | \$ 10,631.00 |
| Tools & Supplies | 346 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Vapor Recovery System | 349 | \$ - | \$ - | \$ 23,000.00 | \$ - | \$ 23,000.00 |
| Drilling Water | 350 | \$ 18,946.00 | \$ 488,000.00 | \$ - | \$ - | \$ 498,946.00 |
| Water Handling Equipment | 351 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Drilling Insurance | 501 | \$ 10,000.00 | \$ - | \$ - | \$ - | \$ 10,000.00 |
| Legal Fees | 503 | \$ 15,000.00 | \$ - | \$ - | \$ - | \$ 15,000.00 |
| Regulatory Compliance | 511 | \$ 1,500.00 | \$ - | \$ - | \$ - | \$ 1,500.00 |
| Overhead | 965 | \$ 10,232.00 | \$ - | \$ - | \$ - | \$ 10,232.00 |
| Subtotal - Intangibles | | \$ 2,449,062.00 | \$ 4,934,000.00 | \$ 148,000.00 | \$ 25,000.00 | \$ 7,556,062.00 |
| TANGIBLES | | | | | | |
| Oil Measurement Equipment | 332 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Line Pipe & Battery Fittings | 335 | \$ - | \$ - | \$ 65,000.00 | \$ - | \$ 65,000.00 |
| Pumps | 336 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Separators | 340 | \$ - | \$ - | \$ 18,000.00 | \$ - | \$ 18,000.00 |
| Stock Tanks | 345 | \$ - | \$ - | \$ 45,000.00 | \$ - | \$ 45,000.00 |
| Treaters | 347 | \$ - | \$ - | \$ 34,000.00 | \$ - | \$ 34,000.00 |
| Utility Systems | 348 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Artificial Lift | 601 | \$ - | \$ - | \$ - | \$ 10,000.00 | \$ 10,000.00 |
| Casing Accessories | 602 | \$ 42,000.00 | \$ - | \$ - | \$ - | \$ 42,000.00 |
| Miscellaneous Surface Equipment | 603 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Packers / Anchors / Liner Hangers | 604 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Water Casing (Conductor Casing) | 607 | \$ 10,000.00 | \$ - | \$ - | \$ - | \$ 10,000.00 |
| Pipe Surface Casing | 608 | \$ 14,000.00 | \$ - | \$ - | \$ - | \$ 14,000.00 |
| Pipe Intermediate Casing | 609 | \$ 225,000.00 | \$ - | \$ - | \$ - | \$ 225,000.00 |
| Production Casing/Liner | 610 | \$ 533,000.00 | \$ - | \$ - | \$ - | \$ 533,000.00 |
| Pipe Casing Liner | 611 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Tubing | 613 | \$ - | \$ - | \$ - | \$ 35,000.00 | \$ 35,000.00 |
| Rods | 614 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Tubing Accessories | 616 | \$ - | \$ - | \$ - | \$ 1,500.00 | \$ 1,500.00 |
| Wellhead | 617 | \$ 37,500.00 | \$ 30,000.00 | \$ - | \$ - | \$ 67,500.00 |
| Subtotal - Tangibles | | \$ 861,500.00 | \$ 30,000.00 | \$ 162,000.00 | \$ 46,500.00 | \$ 1,100,000.00 |
| AFE TOTAL | | \$ 3,310,562.00 | \$ 4,964,000.00 | \$ 310,000.00 | \$ 71,500.00 | \$ 8,656,062.00 |

This AFE is only an estimate. By returning one signed copy the undersigned hereby agrees to pay its share of all the actual costs incurred in this operation.

NAME:
PRINTED NAME:
TITLE:COMPANY:
DATE:

MAR 24 2017

2016 3720
2016 4076 T/O