

EXPLORATION & PRODUCTION WASTE TRANSFER

| | |
|---|---|
| Operator Name: | License Number: |
| Operator Address: | |
| Contact Person: | Phone Number: () - |
| Permit Number (API No. if applicable): | Lease Name: |
| Source of Waste: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Drilling Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Haul-off Pit <input type="checkbox"/> Steel Pit <input type="checkbox"/> Spill / Escape <input type="checkbox"/> Dike | Well Number: |
| | Source Location (QQQQ): _____ - _____ - _____ - _____ Sec. _____ Twp. _____ R. _____ <input type="checkbox"/> East <input type="checkbox"/> West _____ Feet from <input type="checkbox"/> North / <input type="checkbox"/> South Line of Section _____ Feet from <input type="checkbox"/> East / <input type="checkbox"/> West Line of Section GPS Location: Lat: _____, Long: _____ <small>(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)</small> Datum: <input type="checkbox"/> NAD27 <input type="checkbox"/> NAD83 <input type="checkbox"/> WGS84 County: _____ |

No Waste to be Hauled: (If checked, provide an explanation as to why no waste was hauled in the Comments area.)

Type of waste to be disposed: Fluid Soil Mud / Cuttings Other: _____

Amount of waste: _____ No. of loads _____ Barrels _____ Tons _____ YDS

Destination of waste: Reserve Pit Haul Off Pit Disposal Well Lease Road Dike / Berm Other: _____

If waste is transferred to another reserve pit, is the lease active? Yes No

Location of Waste Disposal:

Destination Out of State: (If checked, provide the location of where the waste was hauled in the Comments area.)

Date of Waste Transfer: _____

Operator Name: _____ License No.: _____

Lease Name: _____ Sec. _____ Twp. _____ R. _____ East West

Docket No./API No.: _____ County: _____

Comments:

Submitted Electronically

| | | | | | | | | | | | | | | | | | |
|---|--|--------|--|--|--|--|--|---|--|--------------------------|--|-------------------------------------|--|--------------------|--|-------------------|--|
| Morgan Mud Inc | | | | API | | | | Drilling Mud Report No. 9 | | | | OPERATION | | | | | |
| McCook, Nebraska 308-340-5946 | | | | | | | | Date 8-Dec-15 Depth 4,510 | | | | Presenty Activity DST #4 | | | | | |
| OPERATOR Suemaur Exploration & Production | | | | CONTRACTOR Murfin Drilling Company | | | | RIG No. 7 | | bit size 7.875 | | No. 2 | | | | | |
| ADDRESS Fort Worth TX | | | | ADDRESS Wichita KS | | | | Spud Date: 11/30/15 | | D.P. size 4.5 | | type X-95 | | | | | |
| report for Mr. Andy Grubb | | | | report for Mr. Kelly Wilson | | | | sec. township range nw/sw 3 7S 28W | | D.P. size 0 | | type 0 | | | | | |
| Well Name & No. Campbell #1 | | | | Field or Block No. Wildcat | | County, Parish, or Area Sheridan | | State or Prov. Kansas | | | | Collar length 6.25 497.13 | | | | | |
| MUD PROPERTIES | | | | MUD PROPERTY SPECIFICATIONS | | | | | | | | Casing | | | | | |
| IN | | OUT | | Weight <9.3 | | YP | | 8 - 20 | | Filtrate: | | < 8 | | Surface | | | |
| Temperature (*F) | | 78 | | Reserve | | by Authority of: | | X Operator Written | | Contractor | | 8.6 in@ | | 334 | | | |
| Time Sample Taken | | 7:00am | | pit | | Equipment Hours | | Jet Velocity | | Hydraulic Horsepower | | Intermediate | | 0 in@ 0 | | | |
| Depth in Feet | | 4,510 | | Cntrfg. 0 | | Desilter 0 | | 193 | | 133 | | Liner 1 | | 0 in@ 0 | | | |
| Mud Weight ppg | | 9.4 | | Degass. 0 | | Shakers 0 | | DAILY COST \$ | | 0 | | Liner 2 | | 0 in@ 0 | | | |
| Mud Gradient | | 0.4888 | | Desander 0 | | Cleaner 0 | | Cumulative Cost \$ | | 13,210 | | Liner 3 | | 0 in@ 0 | | | |
| Funnel Viscosity | | 55 | | SOLIDS ANALYSIS | | | | Solids Equipment | | Volume Accounting | | Prod. 1 | | 0 in@ 0 | | | |
| Plastic Vis. @ 78 *F | | 17 | | % Lgs 6.0 | | 0.0 | | Eqpt size Top | | Scrn size btm | | Flow ppg | | Flow ppg | | Water added | |
| Yield Point | | 18 | | % HG 1.0 | | 0.0 | | 1 | | | | | | | | Barite | |
| GELS 10 sec/10 min | | 12/27 | | % DS 6.7 | | 0.0 | | 2 | | | | | | | | Material | |
| Filtrate API (cc/30 min) | | 6.8 | | DS ppb 61 | | 0 | | 3 | | | | | | | | Mud Lost in hole | |
| Filtrate HPHT (cc/30min) | | 0.0 | | Corr.-Solids 7.0 | | 0.0 | | 4 | | | | | | | | Mud Lost Other | |
| Cake Thickness 32 nds | | 2 | | ASG 2.8 | | 0.0 | | Cl#1 | | | | | | | | Liq. Mud received | |
| Retort SOLIDS % | | 7.1 | | 600 | | 52 | | Cl#2 | | | | | | | | Liq. Mud returned | |
| Retort OIL % | | 0.0 | | 300 | | 35 | | Ctfg | | ~ | | ~ | | | | Reserve Mud | |
| Retort WATER % | | 92.9 | | 200 | | 0 | | REMARKS | | | | Diesel added | | Total Circ. Volume | | | |
| Sand % | | 0.5 | | 100 | | 0 | | On Trips {Go in Slow Elevation @ 2767' | | | | | | 573 | | | |
| MBT ppb | | 0.0 | | 6 | | 0 | | }Keep Hole Full | | | | | | Drill Srg. Cap. | | | |
| PH | | 10.5 | | 3 | | 0 | | DTD @ 4510' | | | | | | 57 | | | |
| PM | | 1.5 | | 2.18 | | CCI | | LTD @ 4511' | | | | | | Drill Srg. Disp. | | | |
| pf/mf | | .9/1.9 | | DERRICK HAND INSTRUCTIONS. | | | | DST #4 @ 4510' | | | | | | 43 | | | |
| Chlorides | | 2,100 | | 1,200 | | 1.5 | | 1. SUGGEST: | | | | | | MUD TYPE | | | |
| Calcium | | 10 | | 400bbl | | 2.18 | | 2. If mixing gel for volume or vis - MIX: | | | | | | WBM | | | |
| LCM ppb | | 4.0 | | 0.0 | | 2.18 | | 3. 8 Soda Ash 2 Caustic 2 Lignite 1 Soltex 1 Drispac | | | | | | PUMP MAKE | | | |
| Other | | 0.0 | | 0.0 | | 2.18 | | 4. *****Maintain at least 2 ppb LCM. | | | | | | EMSCO D-375 | | | |
| | | | | | | | | 5. All tours mix gel for vis: | | | | | | 6 X 14 | | | |
| | | | | | | | | 6. 48 - 58 sec/qt to drill | | | | | | bbls / stroke | | | |
| | | | | | | | | 7. 55 + sec/qt to DST | | | | | | 0.119748428 | | | |
| | | | | | | | | 8. Run 1/4 inch stream of water while drilling to control mud wt 9.3 or less. | | | | | | Strokes / min. | | | |
| | | | | | | | | | | | | | | 62 | | | |
| | | | | | | | | | | | | | | bbls / min. | | | |
| | | | | | | | | | | | | | | 7.4 | | | |
| | | | | | | | | | | | | | | GPM | | | |
| | | | | | | | | | | | | | | 312 | | | |
| | | | | | | | | | | | | | | Annular Vel. | | | |
| | | | | | | | | | | | | | | D.P. 183 | | | |
| | | | | | | | | | | | | | | D.C. 333 | | | |
| | | | | | | | | | | | | | | Pump Press. | | | |
| | | | | | | | | | | | | | | 900 | | | |
| | | | | | | | | | | | | | | Bit to Surface | | | |
| | | | | | | | | | | | | | | 23.31 Min. | | | |
| | | | | | | | | | | | | | | Surface to Bit | | | |
| | | | | | | | | | | | | | | 7.632 Min. | | | |
| | | | | | | | | | | | | | | Total Circ. Time | | | |
| | | | | | | | | | | | | | | 77.17 Min. | | | |
| Technical Representative Dave Lines | | | | Home Address McCook NE | | | | Telephone 308-345-7262 | | | | | | | | | |
| Mobile Phone 308-340-5946 | | | | Warehouse Location McCook NE | | | | Telephone 308-345-1255 | | | | | | | | | |
| In consideration of the furnishing of this report and oral suggestions, it is agreed that no recommendations made hereon shall be construed as authorizing the infringement of any valid patent, and it is agreed that the above Company shall not be liable for any damages resulting from the furnishing of this report and oral suggestions, and is to be held harmless. | | | | | | | | | | | | | | | | | |