



Energy services, L.P.

TREATMENT REPORT

Oil Operations, Inc. Lease No. _____ Date **1-4-12**
 Starts Well # **2**
 Order # **989** Station **Pratt, Kansas** Casing **5 7/8** Depth **54.5 Lb. 316 Feet** County **Pratt** State **Kansas**
 Job **C.N.W. - Conductor** Formation _____ Legal Description **2-305-14W**

| PIPE DATA | | PERFORATING DATA | | CEMENT USED | | TREATMENT RESUME | | |
|-----------|--------------|------------------|----------|-------------|-------|------------------|-----|-------------------|
| 3 7/8 | Tubing Size | 300 | Shots/Ft | 300 | sacks | 60/40 | Poz | with |
| 316 | Depth | 28 | From | Gal | 38 | Calcium Chloride | 251 | b/stk. Cell Plate |
| 8.8 | Volume | 14.8 | From | To | Gal | 5.18 | Gal | 1.21 |
| 50 | Max Press | | From | To | | | | 16 Min. |
| | Annulus Vol | | From | To | | | | HHP Used |
| | Packer Depth | | From | To | 46.5 | Bbl. Fresh Water | | Total Load |

Customer Representative **Gail Thompson** Station Manager **David Scott** Operator **Clarence R. Messicht**

| | | | | |
|---------------|----------|---------|----------|--------|
| Service Units | 37,216 | 27,463 | 19,960 | 19,918 |
| Operator | Messicht | Mitchel | McCaskey | |

| Time P.M. | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|-----------|-----------------|-----------------|--------------|------|---|
| 1:30 | | | | | Trucks on location and hold safety meeting. |
| 3:30 | | | | | South wind Drilling start to run 7 Joints new 54.5 Lb./Ft 13 7/8" casing. |
| 5:50 | | | | | Casing in well. Circulate for 5 minutes. |
| 6:00 | 300 | | | 5 | start Fresh Water Pre-Flush. |
| | | | 10 | 5 | start Mixing 300 sacks 60/40 Poz cement. |
| 6:18 | | | 74 | 5 | start Fresh Water Displacement. |
| 6:25 | 350 | | 121 | | Plug down. Shut in well. |
| | | | | | Circulated cement to cellar. |
| | | | | | Wash up pump truck. |
| | | | | | Job Complete. |
| | | | | | Thank You |
| | | | | | Clarence, Brad, Jeffery |

| | | | |
|---------------------------------------|--------------------------|--------------------------------|-----------------|
| Customer MART Oil Operations, Inc. | Lease No. | Date 1-14-12 | |
| Lease Staats | Well # 2 | | |
| Field Order # 4974 | Station Pratt, Kansas | Casing 5 1/2 14lb | Depth 4579ft |
| Type Job C/W - Longstring | Formation | County Pratt | State Kansas |
| | | Legal Description 2-305-14W | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | |
|-----------------------------------|------------------------------|------------------|----|---|----------------------|------------------|------------------------------|
| Casing Size 5 1/2 14lb/ft | Tubing Size 4 1/2 14lb/ft | Shots/Ft 250 | | Acid 50/50 Poz with 28 Gel, 1.28 Salt | RATE 6.40 Gal/stk | PRESS 1.35 | ISIP 25 lb/stk cell flake |
| Depth 4579 Feet | Depth | From | To | Pre Pad 14.2 lb/Gal | Max | | 5 Min. |
| Volume 11.2 Bbl | Volume | From | To | Acid 60/40 Poz with 28 Gel, 1.108 Salt | Min | | 10 Min. |
| Max Press 11.750 PSI | Max Press | From | To | Frac 14.8 lb/Gal | Avg | | 15 Min. |
| Well Connection Plug Connector | Annulus Vol. | From | To | Flush 11.2 Bbl Fresh Water | HHP Used | | Annulus Pressure |
| Plug Depth 4579 Feet | Packer Depth | From | To | | Gas Volume | | Total Load |

| | | |
|---------------------------------|--------------------------------|--------------------------------|
| Customer Representative Kent | Station Manager David Scott | Treater Clarence R. Messick |
|---------------------------------|--------------------------------|--------------------------------|

| | | | | | | | |
|---------------|---------|--------|--------|--------|--------|--------|--------|
| Service Units | 37,216 | 19,889 | 19,905 | 19,831 | 19,862 | 19,960 | 19,918 |
| Driver Names | Messick | Mattal | | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|-------|-----------------|-----------------|--------------|------|---|
| 4:00 | | | | | Trucks on location and hold safety meeting. |
| 8:00 | | | | | South wind Drilling start to run Auto Fill Guide Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 10 Joints new 14 lb/ft 5 1/2" csg. A Basket was installed above collar # 20. A Turbolizer was installed on Collars # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 and # 20 |
| 10:30 | | | | | Casing in well. Circulate for 45 minutes. |
| 11:22 | | 2,700 | | | Shut in well. Pressure Test. Open Well. |
| 11:24 | 300 | | | 6 | Start 1,000 Gallons Mud Flush. |
| | 300 | | 24 | 5 | Start Fresh Water spacer. |
| | 300 | | 84 | 5 | Start Mixing 250 sacks 50/50 Poz cement. |
| | -0- | | 117 | 5 | start Mixing 150 sacks 60/40 Poz cement. |
| | -0- | | | | Stop pumping. Shut in Well. Wash pump and lines. Release Latch Down Plug. Open Well. |
| 11:49 | 100 | | | 6.5 | Start Fresh water Displacement. |
| | | | | 5 | start to lift cement |
| 12:11 | 1,050 | | 111.2 | | Plug down. |
| | 1,750 | | | | Pressure up |
| | | | | | Release pressure. Float Shoe held. |
| | -0- | | 7-5 | 3 | Plug Rat and mouse holes |
| | -0- | | | | Wash up pump truck |
| 12:45 | | | | | Job Complete |
| | | | | | Thank You, Clarence, Milte, Steve, Jr. |