



# Daily Drilling Report

Well ID: 42-383-39868

Field: Impossible

# SEM Operating Company, LLC

Well Name: University 9 2901WB

Sect: 29 County: Reagan State: TX

Report No: 11

Report For 06:00 AM 26-Jun-17

|                       |                  |                       |               |                     |                                       |                 |                      |
|-----------------------|------------------|-----------------------|---------------|---------------------|---------------------------------------|-----------------|----------------------|
| Operator:             | SEM              | Rig:                  | H&P 467       | Spud Date:          | Daily Cost / Mud (\$): 99,035 / 4,786 |                 |                      |
| Measured Depth (ft):  | 7526             | Drilling Days (act.): | 11            | Well Bore:          | Original Well Bore                    | AFE No.         | AFE (\$) Actual (\$) |
| Vertical Depth (ft):  | 7520             | Drilling Days (plan): |               | RKB Elevation (ft): | 0.00                                  | 041517          | 6,063,125 1,151,278  |
| Proposed TD (ft):     |                  | Days On Location:     | 11            | Last BOP Test:      | 26-Jun-17                             |                 |                      |
| Hole Made (ft) / Hrs: | 0 / 0.0          | Last Casing:          | 9.63 at 7,526 | Totals:             |                                       | 6,063,125       | 1,151,278            |
| Average ROP (ft/hr):  |                  | Next Casing:          |               | Working Interest:   |                                       | Well Cost (\$): | 1,151,278            |
| Pers/Hrs:             | Operator: 2 / 24 | Contractor:           | 11 / 132      | Service:            | 6 / 72                                | Other:          | 4 / 48               |
|                       |                  |                       |               |                     |                                       | Total:          | 23 / 276             |

SafetySummary: No incidents or events reported. 10 days since LTI. Conducted BOP Test, Crown Check, Safety Meeting.

Current Operations: TIH WITH CURVE BHA.

Planned Operations: TIH, DRILL SHOE TRACK DISPLACE HOLE WITH OIL BASE MUD.

Toolpusher: JUAN CANTU

Wellsite Supervisors: BRUCE DELAUGHTER, RICKY POINDEXTER

Tel No.:

### Operations Summary

| From  | To    | Elapsed | End MD(ft) | Code   | Operations Description  | Non-Prod |
|-------|-------|---------|------------|--------|---|----------|
| 6:00  | 6:30  | 0.50    | 7,526      | CMTF   | FINISH DISPLACEMENT OF 567 BBLs F/W, CIRCULATING PSI 1,400, BUMP PSI 1,900, FLOATS HELD   |          |
| 6:30  | 7:30  | 1.00    | 7,526      | RIGDC  | RIG DOWN CEMENTERS, WASH OUT LINES WITH SUGAR WATER   |          |
| 7:30  | 15:00 | 7.50    | 7,526      | WOC    | STARTED BREAKING LINES ON STACK AND HAD FLOW START COMING OUT OF SURFACE WELL HEAD, MONITORED FLOW, APPX 1/2 BBL PER MINUTE WITH NO INCREASE IN FLOW, SHUT IN WELL AND MONITORED WHILE WAITING ON CEMENT, 0 PSI WHILE SHUT IN, CLEANING PITS AND CHANGING OUT SHAKER SCREENS AND FILLING PITS WITH OIL BASE MUD |          |
| 15:00 | 18:00 | 3.00    | 7,526      | NDSTAC | WELL STOPPED FLOWING AFTER CEMENT SET, NIPPLE DOWN STACK AND SET SLIPS WITH 277K  |          |
| 18:00 | 19:00 | 1.00    | 7,526      | WELLH  | MAKE FINAL CUT ON CASING NIPPLE UP B SEC TEST TO 2000 PSI OK.   |          |
| 19:00 | 21:00 | 2.00    | 7,526      | NUSTAC | NIPPLE UP SPACER SPOOL AND SET BOP BACK DOWN AND HOOK UP CHOKE LINE AND KILL LINE & TIGHTEN.  |          |
| 21:00 | 23:00 | 2.00    | 7,526      | OTHER  | HOOK UP FLOW LINE TURN BUCKLES CENTER BOP, FLUSH THROUGH CHOKE MANIFOLD AND GAS BUSTER TIGHTEN LEAKS ON GAS BUSTER REMOVE BOP HANDLER, R/D CASING ELEVATORS BAIL INSTALL MOUSE HOLE .   |          |
| 23:00 | 23:30 | 0.50    | 7,526      | SAFETY | PJSM WITH MONAHANS TESTER.  |          |
| 23:30 | 3:30  | 4.00    | 7,526      | BOPT   | PICK UP THIRD PARTY TEST PLUG & TEST BLIND RAMS PIPE RAMS 2" KILL LINE VALVES CHECK VALVE, 4 INCH MANUAL & HCR VALVES TO 250 LOW AND 5000, PSI HIGH TEST ANNULAR TO 250 LOW AND 3500 HIGH, TEST CASING TO 1500 PSI FOR THIRTY MIN.  |          |
| 3:30  | 5:00  | 1.50    | 7,526      | BHAOP  | P/U 6 3/4" MOTOR 7/8 5.0, SET @ 2.38, UBHO SUB, NMDC, NMFC, SCRIBE INSTALL MWD SURFACE TEST OK.   |          |
| 5:00  | 6:00  | 1.00    | 7,526      | TRPI   | TIH WITH CURVE BHA.   |          |

### Casing/Tubular Information

| Type | Size (ins) | Top MD (ft) | Top TVD (ft) | Bottom MD (ft) | Bottom TVD (ft) | Hole Section | OH Diam. (ins) | Nom. Wgt. (lbs) | Nominal Grade | LOT (lbs/gal) |
|------|------------|-------------|--------------|----------------|-----------------|--------------|----------------|-----------------|---------------|---------------|
| FULL | 13.38      | 0           |              | 745            |                 | SURF         | 17.50          | 54.50           | J-55          |               |
| FULL | 9.63       | 0           |              | 7,526          |                 |              | 12.25          | 40.00           | L-80          |               |

### Cost/AFE Information

| AFE No            | AFE Description                   | AFE Amount   | Daily Mud | Well Mud  | Daily Total | Well Total   | % Spent |
|-------------------|-----------------------------------|--------------|-----------|-----------|-------------|--------------|---------|
| 041517            | D & C 7500' lateral horizontal we | 6,063,125.00 | 4,786.00  | 53,985.13 | 99,035.45   | 1,151,277.72 | 18.99 % |
| <b>Totals \$:</b> |                                   | 6,063,125.00 | 4,786.00  | 53,985.00 | 99,035.00   | 1,151,278.00 | 18.99 % |

### Mud Information

| %  |       |      |      |       |      |       |        |      |       |      |     |       |       | Gels |     |     | Temp |    | Mud |      |
|--|-------|------|------|-------|------|-------|--------|------|-------|------|-----|-------|-------|------|-----|-----|------|----|-----|------|
| Dens.  | Vis   | PV   | YP   | Filt. | Cake | pH/ES | Solids | Oil  | Water | Sand | LGS | Cl    | Ca    | CaCl | 10s | 10m | 30m  | In | Out | Loss |
| 25-Jun-17 21:00 at Depth 7,526 ft Mud Pits, Type: Oil Base Mud |       |      |      |       |      |       |        |      |       |      |     |       |       |      |     |     |      |    |     |      |
| 10.30  | 14.00 | 7.00 | 9.00 | 5.4   | 2    |       | 15.5   | 59.5 | 25    |      | 8.8 | 50000 | 38743 |      | 17  | 26  |      |    |     |      |

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**Mud Consumables**

| Item Description       | Qty. | Cost     | Item Description | Qty. | Cost   |
|------------------------|------|----------|------------------|------|--------|
| ENGINEER - EA          | 1    | 50.00    | ENGINEER - EA    | 1    | 800.00 |
| Liquid Mud rental - EA | 1968 | 3,936.00 |                  |      |        |

**Bit/BHA/Workstring Information**

BHA - No. 2 - BIT, MMTR, UBHO, NMDC, NMFLEX, XO = 92.08

**Rig Information**

Equipment Problems:

Location Condition:

Transport:

**Solids Control Information**

| Screen Sizes: | Top | Middle 1 | Middle 2 | Bottom |
|---------------|-----|----------|----------|--------|
| Shaker No 1:  | 200 | 200      | 200      | 200    |
| Shaker No 2:  | 200 | 200      | 200      | 200    |
| Shaker No 3:  | 200 | 200      | 200      | 200    |
| Shaker No 4:  | 200 | 200      | 200      | 200    |

**Bulk Inventory**

| Item Type                | Units | Beginning | Used | Received | On Hand | Net |
|--------------------------|-------|-----------|------|----------|---------|-----|
| Fuel                     | GALS  | 12,229    | 431  |          | 11,798  |     |
| Office trailer generator | GALS  |           | 50   | 387      | 337     | 337 |
| Mud                      | GALS  | 8,627     |      |          | 8,627   |     |

**Safety Information**

| Meetings/Drills                              | Time  | Description                 |
|--|---|-----------------------------|
| Safety                                       | 30  | NIPPLE DOWN BOP TEST BOP    |
| <b>First Aid Treatments:</b>                 | <b>Medical Treatments:</b>                            | <b>Lost Time Incidents:</b> |
| <input checked="" type="checkbox"/> BOP Test | <input checked="" type="checkbox"/> Crownamatic Check | <b>Days Since LTI:</b> 10   |

**Rental Tools Information**

| Type                                | Description      | Serial No. | Vendor   | Acct Code | Today's Cost \$ | Start     | End |
|-------------------------------------|------------------|------------|----------|-----------|-----------------|-----------|-----|
| Trailer                             | HOUSING          |            | TREND    | 9240-01   | 900.00          | 15-Jun-17 |     |
| <b>Notes:</b> 4 TRAILERS            |                  |            |          |           |                 |           |     |
| Frac Tanks                          | FRAC TANKS       |            | THORPE   | 9245-01   | 175.00          | 15-Jun-17 |     |
| <b>Notes:</b> 7 FRAC TANKS          |                  |            |          |           |                 |           |     |
| PVT                                 | RIG SENSE        |            | TOTCO    | 9240-01   | 388.00          | 15-Jun-17 |     |
| Light Tower                         | LIGHT TOWERS     |            | CACTUS   | 9240-01   | 175.00          | 15-Jun-17 |     |
| <b>Notes:</b> 7 LIGHT PLANTS        |                  |            |          |           |                 |           |     |
| drive over                          | DRIVE OVER       |            | MCGUIRE  | 9240-01   | 90.00           | 15-Jun-17 |     |
| OBM Control                         | CENTRIFUGES      |            | DES      | 9210-01   | 3,050.00        | 15-Jun-17 |     |
| Frac Tanks                          | OBM STORAGE      |            | PURITY   | 9210-01   | 489.00          | 15-Jun-17 |     |
| <b>Notes:</b> 5 TANKS AND MANIFOLD  |                  |            |          |           |                 |           |     |
| SPOOLS                              | BOP SPACER SPOOL |            | MONAHANS | 9240-01   | 110.00          | 15-Jun-17 |     |
| Trans. Pump                         | TRANS PUMP       |            | TIGER    | 9240-01   | 300.00          | 15-Jun-17 |     |
| <b>Notes:</b> 3 TIGER 4X4 PUMPS     |                  |            |          |           |                 |           |     |
| H2S                                 | AMPRO H2S        |            | AMPRO    | 9240-01   | 100.00          | 15-Jun-17 |     |
| Rotating Hd.                        | ROT HEAD         |            | AIR DRIL | 9240-01   | 120.00          | 15-Jun-17 |     |
| Mud Bucket                          | mud bucket       |            | STABIL   | 9241-01   | 110.00          | 15-Jun-17 |     |
| Rig Vac                             | MUD VACUME       |            | KSW      | 9241-01   | 200.00          | 15-Jun-17 |     |
| <b>Notes:</b> MUD VAC/SHAKER WASHER |                  |            |          |           |                 |           |     |
| <b>Total Daily Rental Cost \$:</b>  |                  |            |          |           | 6,207.00        |           |     |