

ENERQUEST RESOURCES, LLC

DAILY WORKOVER REPORT

Well Name: C. O. Davis No. 1

Operator: EnerQuest Resources, LLC

Location: 660' FSL & 2103' FWL
Sec. 29, T-18-S, R-39-E
Lea County, NM

Project: E. Hobbs (San Andres)
San Andres Deepening

Elevation: 3597' GR
3603' KB

Contractor: Pool Company
Denver City, TX

1997

06-02: MIRUSU & reverse equipment. Spot tanks & drilling mud. Move rental work string from State Lowe No. 1 location. Set pipe racks & cat walk. Unseat pump & POH w/ 60-3/4" rods & 116 - 5/8" rods, pump & gas anchor. Send pump to shop for repairs. NUBOP. POH w/142 jts 2 3/8" tbg, SN, perms sub & 10' mud anchor. Lay down tbg string in singles. SDON @ 7:00 pm CST. Prep to run impression block on sand line to ensure no junk in hole prior to running bit in hole.

DWC: \$3,085

CWC: \$3,085

06-03: RIH w/ 4 1/2" impression block on sand line. Could not get past 3700'. POH. Block showed a gouge on the side, 1/3" deep & 7/8" wide. RIH w/4 3/4" Varel mill tooth bit, 12- 3 1/2" DC's, & 2 7/8" tbg. Tag up @ 4451' KB (did not feel anything @ 3700'). Pick up swivel & mix mud w/10#/bbl LCM. Pumped 300 bbl mud & broke circulation. Obtained good gas blow & approx 25 bbls oil into mud system. Wash down to 4467' & drill 1' new formation to 4468'. Had good returns while drlg, mud became extremely foamy. Circ hole clean. LD swivel & 1 joint tbg. Pull 1 stand tbg. Bit @ 4395'. Close well in & SDON. Prep to trip for 4 3/4" button bit in am & commence deepening.

DWC: \$8,096

CWC: \$11,181

06-05: (24 hr report: 7:00 am CST 6-04 to 7:00 am 6-05) POH w/4 3/4" mill tooth bit, collars & 2 7/8" workstring. 2 DC's were plugged up w/LCM. Flange to BOP kept jumping off of threads. Ordered out "new" used tbg head. Had welder cut off old head & bolted on new tbg head. RIH w/ 4 3/4" Varel button bit, 12- 3 1/2" DC's, & 2 7/8" work string. Rig up swivel & displace hole w/ 10 lb/gal brine, 10 cc WL, 32 Vis. Commence drilling new hole @ 5:30 pm CST 6-04-97. Running WOB 12,000#, RPM 60-65, Pump pressure 1000 psi. Deepen well from 4468'-4697' (229') in 10 1/2 hrs. Mud logger caught 5' samples. Drilling time & shows appear to be improved over State Lowe No. 1. At TD of 4697' circ 1 1/2 hrs for logs. POH w/workstring & prep to run OH logs.

DWC: \$9,808

CWC: \$20,989

06-05: (Daylight report) Rig up Halliburton Energy Services to run OH logs. Loggers TD @ 4693'. Run OH logs & rig down loggers. SD for day to allow well service crew to rest (worked 32 hrs straight). Prep to RIH & LD rental work string in am.

DWC: \$7,585

CWC: \$28,574

06-06: RIH w/drill collars & lay down same. RIH w/bull plugged perf sub & 2 7/8" work string. RIH w/ 3/4" & 5/8" rods. LD rods in singles. (Rods are no good. Stretched 2'-3' each). POH & LD work string in singles. Rig down well service unit & all rental equipment. Truck rental equipment to C. O. Davis No. 2 to prep for deepening. Send Pool Co. well service unit to yard for engine repairs. WO completion orders.

DWC: \$2,543

CWC: \$31,117

06-11: MIRUSU. Prep to commence completion operations in am.

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06-12: NUBOP & tally 2 3/8" production tbg. **Crew dropped a 2 3/8" x 29' mule shoe joint of tbg w/2 3/8" collar on top into hole. Will not fish joint of tbg unless necessary at later date.** RIH w/ 2 3/8" SN & 2 3/8" tbg to 4650' & circ hole w/280 bbls 2% KCL water. **Lost 170 bbls 2% KCL to well.** Start out of hole & became stuck w/EOT @ 4629'. Worked tbg loose & became stuck again @ 4525'. Got loose & POH w/tbg. Pumped 45 bbls 2% KCL water down csg. RIH w/Baker 2 3/8" x 4 1/4" OH pkr to 4472' - 4477'. Center of element @ 4474'. Set OH pkr & test to 5000# up & down. Packer tested ok. Close well in & SDON. Prep to swab test in am.

DWC: \$7,413

CWC: \$38,530

06-13: 9 hr swab test. SITP slight vacuum. SICP slight vacuum. IFL 3000' FS. FFL 3000' FS. Recovered 170 bbls water with no show of oil & slight gas odor. Assume all fluid drlg fluid & KCL water. Will continue swabbing in am & take water sample to lab for analysis.

DWC: \$1,840

CWC: \$40,370

06-14: 14 hr SITP 0 psi. SICP slight blow. IFL 1500' FS. FFL 3000' FS. 8 hr swab test, recovered 160 bbls water w/no show of oil & strong gas odor. SD due to heavy rain & lightning storm. Prep to resume swab test on 6-16. Send water to Halliburton lab for analysis. Results as follows:

Sample Date	6-14-97
Resistivity	0.6897 ohm - m @ 72 deg F
Sp. Gr.	1.015
pH	7.04
Calcium	750 mpl
Magnesium	450 mpl
Chlorides	7500 mpl
Sulfates	100 mpl
Bicarbonates	2225 mpl
Soluble Iron	0 mpl

DWC: \$1,340

CWC: \$41,710

06-16: SITP 0 psi. IFL @ 1500' FS. FFL @ 2000' FS. 2 1/2 hr swab test. Recovered 42 bbls water with no show of oil. Open bypass on pkr & allow well to equalize. Tbg on vacuum. Unset pkr & commence POH w/tbg. LD 42 joints 2 3/8" tbg & forced to SD due to high winds (+60 MPH) & lightning. Prep to continue LD tbg string in am. Prep to put well on rod pump.

DWC: \$2,455

CWC: \$44,165

06-17: Finish POH w/ 2 7/8" workstring & Baker OH pkr. RIH w/prod tbg as follows: 2 7/8" x 31' BPMA @ 4449.63' KB, 2 7/8" x 4' perf sub, 2 7/8" x 1.1' SN @ 4417.20', 6 jts 2 7/8" tbg, 2 7/8" x 5 1/2" TAC @ 4259.56', 136 jts 2 7/8" tbg. NDBOP & set TAC w/15 points. Flange up tbg head. Sort & organize rods & install rod couplings. Prep to run pump & rods in am. SDON.

DWC: \$18,101

CWC: \$62,266

06-18: RIH w/pump & rods as follows: 1 1/4" x 8' gas anchor, 2 1/2" x 2" x 18' RHBC pump, 7/8" x 26K shear tool, 12-7/8" Norris 78 rods, 52-3/4" Norris 78 rods, 40-7/8" Norris 78 rods, 47-1" Norris fiberglass rods, 1 1/2" x 22' polish rod w/1 3/4"

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06-18: (cont.) x 12' liner. Space out pump. Secure well & release Pool Co. well service unit. Plan on setting 228 pumping unit 6-20.

DWC: \$13,630

CWC: \$75,896

06-20: Disconnect power to old pump jack & move pumping unit to edge of location. Set used American 228 x 165 x 100 pumping unit w/30 HP motor. Unit set in 86" stroke & sieved to 12 SPM. Tie well into flowline & hook up electricity. Start well pumping @ 6:00 pm CST. Check flowline for leaks ok. Leave well pumping to battery.

06-21: 16 hr pump test. 0 BO & 220 BW. Forced to SI well due to inability of Rice SWD to handle all new produced water. Rice will run injectivity test on their SWD well to resize injection pumps.