## Dunne Equities, Inc. 8100 E. 22<sup>nd</sup> St. Bldg. 1100 Wichita, KS 67226

RE: Hatcher 1-12 SE/4NW/4 Sec. 12 Twp. 34S-Rng.33W Seward Co., KS

## **Completion Report:**

1-15-07- Moving in and rigging up Kerr Well Service.

Plan is to drill out DV Tool at 3329' and pressure test.

Go down to PBTD of 6359' and circulate hole with 2%.

Run Bond Log and swab down to 2500'.

Perforate Chester Sand from 6236-47 with 4spf,

Trip in hole with packer and 2 3/8" tubing and test.

If necessary, break down with 1000 gal. of 7.5% NEFE and flush with 54 balls and 1500 gal. of KCL. Test

If necessary, treat well with a Nitrogen Foam Frac.;

Treatment yet to be determined; will see testing results prior to decision.

01-15-07- Moved in and rigged up Kerr Well Service. Installed tubing head and valves.

01-16-07- Installed B.O.P.
Unloaded 199 joints. 2 3-8 tubing.
Tally in hole with bit scraper, 3 drill collars, 99 joints of tubing, tag D.V. tool @ 3325.
Install circulating head, shut down for day.

01-17-07- Rigged up key to drill out DV tool.

Drilled out DV tool and pressure tested to 500 lbs.

Ran tubing to bottom, tugged @ 6375.

Circulated hole clean w/ 2% KCL water.

Rigged down key, pull out tubing, lay down collars and bit.

Rigged up casing swab.

Shut down for day.

01-18-07- RU log tech & ran bond log. Swab down well to 2500°. Perforate Chester sand from 6236-47 w/ 4 spf. Shut down for day. 01-19-07- Swab well down- show of burnable gas Swab well for 4 hrs, made 8 barrel of fluid All water- check chlorides- 30,000 ppm Normal Mississippi chlorides- 60,000 Load backside to check if packer is leaking, no leak Shut down for night.

01-20-07- Well had 25lbs and 3200 Ft. fluid- no oil Shut down for weekend.

01-21-07- TOH with tubing and packer Set CIBP @ 6:50 Preparing to perforate middle Chester from 6035-6055

01-22-07- Rig up Log Tech and perforate Chester. Swab down, show of burnable gas. Shut down for night.

01-23-07- No pressure- No fluid 500' of burnable gas.

Acidized w/2000 gal of 15%. FENE & flushed w/ 25 bbls. of KCL water.

Broke down @ 2400#; treated w/ avg. inj. rate 4.75 bbl per min. @ 2250#.

ISIP 740#- 15min. 560#. Flowed back 7.5 bbl. Start swabbing @ 2 pm.

Had recovered 42 bbl of 73 bbl of total load. Will swab and test remainder of day.

01-24-07- Well had 100# - blow down. Gas is burnable. Run in w/ swab fluid 5400' down.

2<sup>nd</sup> run had 200' of acid water.

Will continue testing & re-evaluate @ 1 pm.

Released packer, pulled out tubing & packer.

Shut down well.

01-25-07- Rig up Log- Tech.

Set cast-iron bridge plug @ 6025'.

Perforate 5966-82 4 shots/ft.

Run in hole packer & tubing; packer @ 5202'; fluid @ 3000'.

Swab tubing dry. 800' of burnable gas ahead of swab. Test swab.

1100' of burnable gas ahead of swab on last run.

Shut in well.

Preparing to acidize in morning.

01-26-07-1100' of burnable gas in pipe.
Treat well with 1600 gal of 15% NEFE Acid.
Broke down @ 2300# & treated @ 4 BPM @ 1750# w/ ball action.
ISIP 400# went on vac in 12 min. Swab well down-recovered 20 bbl.
Test swab well-recovered 8 more bbl-had gas to surface last hour.
Shut down for night.

01-27-07- shut in tubing pr. 50#. Fluid level @ 5200'.

Swab down-recovered 3 bbl, had 3000' burnable gas.

31 total bbl recovered from acid job. Shut well in. Shut down for weekend. Preparing to move up hole to chase.

01-28-07- Shut in tubing pr. 30#. Release packer, pull out tubing and packer.

01-29-07- Rigged up Log Tech. Set CIBD plug @ 5950'. Perforated @ 2785'. Set cement retainer @ 2780'. Trip in hole w/cement stinger & tubing. Shut well in. Shut down for night.

01-30-07- Sting into retainer. Rig up Jet Star.

Pressure casing to 500#. Pump down tubing 2bbl/min @ 400#.

Pump 200sxs of cement. Displace cement out of tubing.

Well circulated throughout job. Pull out tubing, shut well in. Shut down for day.

Preparing to log & perforate in morning.

01-31-07- Rigged up Log Tech. Run cement bond log. No cement on production zone. Perforate 2761'-62'. Set cement retainer @ 2753'. Trip in hole w' tubing. Shut down for day. Preparing to re-cement in A.M.

02-01-07- Rigged up Jet Star. String into cement retainer, pressure casing 500#. Pump down tubing, broke down @ 1400#. Pump 2 bbl/min @ 900#. Pump 5sxs cement. Displace 6bbl behind pipe @1000#. Sting out of retainer, reverse tubing clean, pull out of hole tubing. Shut in well. Shut down for day. Preparing to log and perforate.

02-02-07- Rig up log tech, run cement bond log. Bond good over formation. Perforate 2716-29', 4 shots/ ft. Trip in hole packer & tubing. Preparing to test swab and evaluate. Swabbed tubing dry. Test swab. Recovered 1/4- 1/2 bbl dirty H2o. Show of gas. Shut well in. Shut down for day. Preparing to acidize well tomorrow.

02-03-07- Shut in tubing pressure @ 0#. 300 ft of fluid in the hole. 1200' of burnable gas. Swab dry. Rigged up Jet Star. Acidized w/ 1500 gal. 15% double strength FE. Well broke down @ 700#. Treated @ 2-8 bbl/min @ 550#. Had ball action. Instant shut in @ 300#, 7 min vac, fluid @ 300ft. from surface. Swab well down. Recovered 20 bbl out of 46 bbl. (had acid gas). Shut well in. Shut down for day.

- 02-04-07- Shut in tubing pressure 5#. 350ft of fluid. Weak burn due to acid gas. Swab well down. Recovered 2bbl, continue test swabbing.
- 02-05-07- Test swab to well. Recovered approx. 500ft. of scattered fluid/hr. Recovered 3-4 bbl. Had burnable gas. Shut well in. Shut down for day. Preparing to test swab tomorrow.
- 02-06-07- SITP 5#. Gas burnable. 350 ft of fluid in the hole. Swab down, recovered appox. I bbl. Released packer, lower tubing 2 joints (64ft). Swabbing well dry, fluid off back side. Preparing to frac, waiting on frac crew.
- 02-07-07- SITP 0. SICP 10#. 300ft. of fluid. Swab tubing casing down. Waiting on frac crew.
- 02-08-07- SITP 0#. SICP 70. 250 FT of fluid. Swab well down. Pull tubing and packer. Shut well in. Shut well down. Waiting on frac crew.
- 02-09-07- SICP 100. Rigged up Jet-Star. Frac for nitrogen foam. Average treating pressure 1290 #. Average rate bbl/min., fluid and foam 21 bbl/min. Shut well in. Shut down. Preparing to flow back tomorrow. Frac with 31,000 # sand & 25,800 gal.
- 02-10-07- SICP 450# & open well up on 5/8" choke flow back 28 bbl. Well died. Trip in hole w/tubing. Tag sand 2730' land tubing @ 2670' Swab- recovered 42 bbl- total recovered 70 bbl. Casing 55#- Shut well in, shut down for day.
- 02-11-07- SITP 100#. SICP 135#. Fluid @ 2100'. Swab test well. Casing pressure 225#. Recovered 92 bbl- Total fluid recovered 162 bbl. Shut well in- Shut down for day.
- 02-12-07- SITP 100#. SICP 250#. Fluid @ 2200'. Test swabbing, will begin testing volume of gas
- 02-13-07-89 bbl total. Overall total 251 bbl. Load to recover of 215 bbl. Shut well in. Shut down for day.
- 02-14-07- SITP 40# SICP 45#. Fluid level@ 2200'. Temp. abandon and wait for plugging orders.