

ASPEN DRILLING CO.

Broadway at Morton
Phone (316) 792-2469

P. O. Box 783
Great Bend, Kansas 67530

DRILLING & COMPLETION REPORT

RIG NO. _____

WELL NAME:	OWEN #1	Elevations
LOCATION:	S/2 N/2 NE/4	GL 1922'
	Sec. 21-T24S-R13W	DF 1924'
	Stafford County, Kansas	KB 1927'
Contractor:	H-30 Drilling, Inc. (Wichita)	RTD 2002'

OIL PRODUCER

-6-12-73 Moved in and rigged up H-30's Rig #11.
Drilled 12 1/4" hole to 311', ran 7 jts. () new 20# 8 5/8" casing
set at 310' with 225 sacks cement 2% gel. Plug down at 7:00 PM, 6-12.

6-13-73 7:00 AM, drilling at 840'.

6-14-73 7:00 AM, depth 1895'. (Herington 1852')

DST #1, 1833-1895'. Initial open 60" final open 120", initial shut
in 60", final shut in 120". Fair blow increasing to good.

GTS in 108 min.

120"	gauged 6330 cf
130"	6720 cf
140"	7120 cf
150"	7510 cf
160"	"
170"	"
180"	"

Recovered 360' highly gas cut mud. (3.9 bbls.)

IBHP	513#
FBHP	513
IFP	25-34
FFP	85-119

DST #2, 1907-1966. Initial open 60", final open 60", initial shut in
90", final shut in 90". Weak blow throughout. Recovered 90' mud.

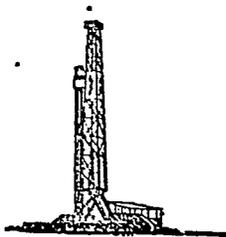
IBHP	527#
FBHP	527#
IFP	29-39#
FFP	51-77#

Started coring at 1966'. (at 12:56 AM, 6-15-73) Will core to 2003'.

6-15-73 7:00 AM, coring at 1986'.

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WELL NAME: Owen #1

LOCATION:

6-16-73 Cored to 2002'. Recovered 36 ft. (100%). Reamed hole to 2002'.

DST #3, 1969-2002. Initial open 60", final open 60", initial shut in 120", final shut in 120".

Weak blow throughout test. Recovered 220' thin watery mud.

IBHP	469#
FBHP	515#
IFP	42-59#
FFP	80-111#

Welx ran Gamma Guard, Density and Acoustic logs.

6-17-73 TOTAL DEPTH 2002'.

Ran 64 jts. (2005.71') used 5 1/2" casing. Set at 2001'. Cemented with 150 sacks 50/50 Pozmix salt saturated, with 10# Gilsonite per sack, spearheaded with 10 Bbl. mud flush.

Plug down 3:30 PM, 6-17-73 and held.

W.O.C.

COMPLETION

6-22-73 Moved in Chase Well Service Double Drum Unit. Petro-Log ran Gamma Collar and Cement Bond Logs. Perforated Krider 1880-1889'. No show natural. Ran packer & tubing.

6-23-73 Tubing pressure 25#. Well dry. Dowell acidized Krider with 5000 gal. gas-well acid with 500 cf CO2/bbl. Blew well back. Well died, no show of natural gas. Dowell re-acidized Krider with 5500 gal. gas-well acid with 750 cf CO2/bbl. Blew well back -- good show natural gas. Well loaded up and died.

Water: Spec. Gravity:	1.060
Chlorides	48,000
Ph	6

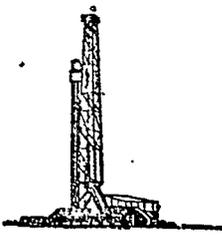
6-24-73 Tubing pressure 50#. 800' fluid in tubing. Swabbed well dry.

Water: Spec. Gravity	1,050
Chlorides	41,080
Ph	6

OIL PRODUCER

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RIG NO. _____

WELL NAME: Owen #1

LOCATION:

6-24-73 Continued.....

Swab tested 3 hours. Recovered 10 gal. water per hour. Show of natural gas.

Water:	Specific Gravity	1.148
	Chlorides	135,000
	Ph	5

OIL PRODUCER

6-25-73 Tubing pressure 500#. 300' fluid in well.

Preparing to run Radioactive Tracer Survey. Ran RA survey, tripped tubing & packers to surface, ran in 59 jts. 2 3/8" tubing. Set Baker Model C full bore packer at 1845', tail pipe at 1850'.

Sun Cementing ran injection test 3 BPM @ 900#, mixed and pumped 200 sacks common cement, maximum pressure 900#. With 6 bbls left in tubing start staging. 1 hr. 25 min. maximum pressure staging 350#, overflush 4 bbl @ 700#. Shut in.

6-26-73 Sun Cementing ran injection test 4 BPM @ 900#, mixed and pumped 100 sacks common cement. Maximum pressure 2800#. With 6 bbl. cement left in tubing, started staging -- staged 1 hr & 55 min. Final stage at 2100#. Reverse out 2 1/2 bbl cement, repressure to 1000#. Tripped tubing and packer to surface, ran in 54 jts. tubing w/4 3/4" bit for drilling cement.

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6-27-73 Drilled cement to 1876 1/2'. Perforated 1866-76 w/4 SPF. No show natural.

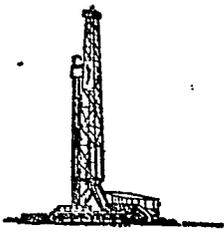
6-28-73 7:00 AM; no show, no tubing pressure.

Acidized perforations 1866-76 w/250 gal. gas-well acid. Maximum pressure 1200#, broke to 900#, displaced acid at 600# @ 75 BPM.

Immediate shut in pressure	450#
1" pressure drop to	400#
5" pressure drop to	320#

Swabbed well down. Recovered load volume, slight show of gas. Drilled cement and cleaned out hole to 1980' to run R-A tracer survey.





DRILLING & COMPLETION REPORT

RIG NO. _____

WELL NAME: Owen #1

LOCATION:

OIL PRODUCER

6-29-73 Welex ran radioactive tracer survey. Survey showed all fluid going into formation opposite perforations 1866-76.

Dowell re-acidized with 750 gal gas-well acid. Maximum pressure 500#. Final injection rate 5.3 BPM.

Initial shut in pressure	425#
1" pressure drop to	300#
5" pressure drop to	200#
15" pressure drop to	150#

Swabbed well down -- no show gas.

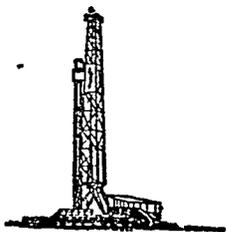
6-30-73 7:00 AM, no pressure on casing. Swab well down, no shows.

Ran tubing and packer. Pressure annulus to 500#, input rate 3 BPM at 1200#. Mix & pump 100 sacks on first try to squeeze, maximum pressure 500#. Flush tools with 2 bbls. water.

Pressure annulus to 500#, input rate 2 BPM @ 1200#. Mix & pump 100 sacks, squeeze at 2200#, reverse out 25 sacks cement, flush tools, repressure to 1500# and held. Shut down

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WELL NAME: Owen #1

LOCATION:

OIL PRODUCER

7-7-73 Petro-Log perforated 1876-1882 with 2 SPF. 3 hr. test, no shows.

Petro-Log perforated 1856-1858 w/4 SPF. 2 hr. test, no show.

Dowell acidized with 500 gal. gas-well acid. Dumped acid, pressured to 300#. Shut in overnight.

7-8-73 Pressured on well to 350# for 9 hrs. Displaced total 6 bbl. acid. Swabbed well down, no shows.

7-9-73 7:00 AM, casing pressure 10#, 250' fluid in hole, good show natural gas. 1/2 hr. test, no fluid, 200' natural gas (will burn).

Dowell acidized with 1000 gal Gas-Well Acid. Maximum pressure 500#, average injection rate .4 BPM. Slow pressure to 550#, acid feeding with 3 1/2 barrels away, slow pressure decrease to 350# at completion.

Immediate pressure drop to	275#
1" pressure drop to	200#
5" pressure drop to	150#
20" pressure drop to	125#

Seed 73 bbls. Swabbing well.

Swabbed to TD, fair acid kick back. 1/2 hr. test 1 bbl. fluid, weak blow at surface. 1/2 hr. test recovered 1/2 BTF, weak blow at surface.

7-10-73 7:00 AM, casing pressure 50#, 400' fluid in well. Gas flare continuous through swab. Swabbed 7 hrs, recovered 8 BTF.

7-11-73 7:00 AM, 140# casing pressure, 150' fluid in well. Swabbed 1/2 bbl. per hr. for 3 hrs.

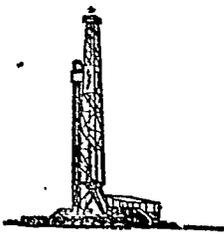
Petro-Log perforated 1980-84 and 1990-96 with 2 SPF. Ran 64 jts. tubing with Baker Model 81 packer. Tail pipe set at 1995', packer at 1965'.

AOI

Dowell acidized with 750 gal. Gas-Well acid. Maximum pressure 1000#, average injection rate 1.1 BPM. Dumped acid, slow pressure to 1000#, good break to 500#, slow break to 350#. Increase rate, pressure 450#, slow break to 400#, increase rate to 1.5 BPM, pressure at completion 325#.

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DRILLING & COMPLETION REPORT

RIG NO. _____

WELL NAME: Owen #1

LOCATION:

7-11-73 continued

Immediate pressure drop to	250#
1" pressure drop to	150#
5" pressure drop to	100#
20" pressure drop to	0#

Seed 27 bbls. Swabbed down, recovered 10.5 BTF (16.5 bbl short of seed).
Good show of gas.

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7-12-73 7:00 AM, casing pressure 200#, tubing pressure 80#, fluid down 1000'.
Swabbed down, recovered 3 BTF - show of gas.
Swabbed an additional 5 hours, recovering 1 BTF per hr. Gas will burn good.
Tearing down.

7-13-73 Casing pressure 310#, tubing pressure 80#.

7-15-73 Casing pressure 335#, Tubing pressure 100#.

7-19-73 Trip tubing to surface, remove Model AD1 packer. Ran tubing back with
Baker Lock-Set packer, set at 1965', tail pipe set at 1995'.

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7-20-73 Dowell acidized 1980-84 & 1990-96' with 3,000 gal. gas-well acid/ Maximum
pressure 850#. 800# at completion. Flushed with F-40 water & CO² flush.
Average injection rate 5.5 BPM.

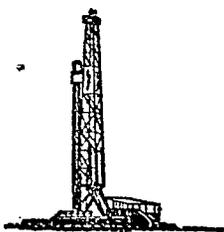
Dowell acidized 1856-58 & 1876-82' w/3,000 gal. gas-well acid + CO².
Maximum pressure 1375#, completed at 1350#. Flushed with F-40 water
and CO² flush. Immediate drop to 600#. Blew well down.
Blew all night.

7-21-73 Casing pressure 0#, tubing pressure 0#, no show gas. Unseated packer,
1200' fluid in well. Swabbed well - 7 hr. test swabbed approximately 25
bbls., good show gas, slight vent after swab. Reset packer.

7-22-73 Casing pressure 400#, tubing pressure 50#.

7-23-73 Casing pressure 480#, tubing pressure 150#.





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OIL PRODUCER

7-23-73 Swabbed tubing, recovered 6 bbls on swab down. 2 hr. test recovered 4 bbl., small show gas on swab.

Tripped tubing and packer to surface, ran back in Model AD1 (bull plugged), 3' perforated nipple, one 10' seating nipple with 61 jts. tubing. Packer set at 1904' - pulled 10,000# tension.

3 hr. swab test recovered 3 bbls, show of gas venting at tubing, TSTM.

7-24-73 Casing pressure 310#, tubing 10#. 700' fluid in well.

First pull recovered 3 bbl. water.

Second pull recovered 1 bbl. water, well kicked off. Blew off to casing 140#, gas venting continuously TST gauge.

1st hr. (4 pulls/hr.) recovered 1 1/2+ Bbl., csg. 110#, vent TSTM.

2nd hr. ditto.

3 rd. " " csg. 120# "

4th hr. (shut in 1 hr) csg. 140#, tbg. under 5#.

1st pull 1/2+ bbl water

2nd pull 1/2- bbl water

3rd pull dry. Each pull gas vent TSTM.

5th hr. recovered 1 1/2 bbl water, 150# csg. pressure.

6th hr " 130# "

7th " 120# "

8th " 110# "

Recovered approx. 16 bbls. during day.

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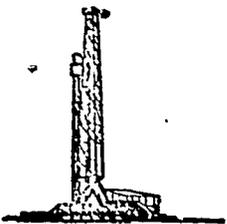
7-25-73

Casing pressure 320#, tubing pressure 30#, 900' fluid in well.

When water hit surface half way thru first swab, well kicked off and blew 15" - pressure depleted to 120#, ran swab immediately and recovered 160' fluid (1/2+ bbl). Well died in 3", casing 120#, extremely weak vent.

Took water sample - released tools.





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LOCATION:

- 7-27-73 Casing pressure 470#, tubing 450#. Blew down to 140# and died in 11".
- 8-2-73 1:30 PM. Casing pressure 560#, tubing pressure 530#. Blew well down through 2" tubing, very light mist of fluid for 2". Casing pressure declined to 100# in 5" and to 50# in 9". Very weak blow at end of 9".
- 8-13-73 Pulled tubing and packer.
Welex set CIBP at 1978'.
Ran Radioactive Survey.
Majority of treatment and apparrently most permeable zone 1900-1912'.

OIL PRODUCER

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