

Douglas A. Draves
Consulting Petroleum Geologist

2007 Encino Vista
San Antonio, TX 78259
(210) 497-3350
(210) 213-6222 mbl

Geological Report

Venus Exploration, Inc. Simonson #25-1
KB 2732=

Spud Date: 5/21/97 TD Date: 6/9/97
1800= fsl & 330= fwl
Section 25-33S-31W
Seward County, Kansas

The Venus Simonson #25-1 spudded at 3:45AM on Wednesday 21 May 1997 and reached a total depth of 7300= at 9:07AM on Monday 9 June 1997. Two foot drilling time was kept from 5300= to 7300= (drillers total Depth). Ten foot samples were caught from 5300= to total depth by the drilling rig crew (Abercrombie Drilling Rig #5). A one man logging unit from GeoDynamic Well Logging, Inc. with hot wire and chromatograph gas detection equipment was on duty from 5300= to total depth.

All samples were examined for lithology and hydrocarbon shows. Three off bottom drill stem tests were run. Geophysical logs were run at total depth (7300=) by Schlumberger and included Array Induction (1754=-7286=), Compensated Neutron Litho Density (1754=-7276=), and Microlog (1754=-7276=).

Elevations:

Kelly Bushing	2732=
Derrick Floor	2730=
Ground Level	2720=

RELEASED

Electric Log Tops:

MAY 06 2000

Formation	Depth=	Subsea=
Brown Dolomite	2605=	+127
Krider	2767=	-35
Council Grove	3100=	-368
Base Heebner Sh.	4267=	-1535=
Toronto	4277=	-1545=
Lansing	4387=	-1655=
Kansas City	4841=	-2109=
Marmaton	5017=	-2285=
Fort Scott	5094	-2362
Cherokee	5185=	-2453=

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Formation	Depth=	Subsea=
Atoka	5322=	-2590=
Morrow Shale	5500=	-2768
Chester	5548=	-2816=
St. Gen.	5572=	-2840=
St. Louis	5678=	-2946=
Spergen	5946=	-3214=
Warsaw	6138=	-3406=
Osage	6306=	-3574=
Sylvan	6766=	-4034=
Viola	6778=	-4046=
Simpson	6953=	-4221=
Arbuckle	7003=	-4271=

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Formation Descriptions 6000= to TD

6000-6006= *Spergen*; Limestone off white to chalky, slightly friable, fine to medium crystalline, abundant fossil fragments, visible porosity, brown oil stain in porosity vugs, bright gold florescence, bright blue-gold stream cut. Gas increased from 120 units to 190 units with 46 units C1, 40 units C2, 26 units C3, and 4 units C4.. Drilling broke from 6 min/ft to 3 min/ft and returned to 5 min/ft.

6024-6030= *Spergen*; Dolomite, brown stain, sucrosic, and Limestone, off white to chalky, fine to medium crystalline, abundant fossil fragments, excellent visible porosity with brown oil stain in vugs, bright gold fluorescence, blue-gold stream cut. Gas increased from 120 units to 185 units and then returned to 120 units with 50 units C1, 35 units C2, 24 units C3, and 2 units C4. Drilling broke from 4-6min/ft to 2-3min/ft and returned to 4-6min/ft.

6037-6048= *Spergen*; Dolomite, brown stain, very fine to fine crystalline sucrosic, visible porosity, blue-gold fluorescence, excellent stream cut. Gas increased from 150 units to 245 units and then returned to 150 units background. 68 units C1, 50 units C2, 32 units C3, and 4 units C4 were recorded at the peak gas reading. Drilling broke from 5-6 min/ft to 1.5-2 min/ft and returned to 4.5 min/ft.

6138-6306= *Warsaw*; Limestone, light gray with dolomite, gray- white rhombic fine to medium crystalline with excellent visible porosity developed in several zones; 6177-82=, 6198-6200=, 6207-11=, and 6260-65.

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DST #2 6958-98= (corrected to e-log depth) *Simpson Sand*

IH		3390#
IF 60 min	78 -	78#
ISI 60 min		247#
FF 120 min	90 -	90#
FSI 120 min		416#
FH		3345#

Recovered; 180 feet of gas odor in pipe, 40 feet of very slightly oil cut mud.

7008-13= & 7016-26= *Arbuckle*; Dolomite, light to medium buff, slightly friable, very fine to occasionally coarsely crystalline rhombic dolomite, good trace of vugular and pinpoint porosity, bright yellow fluorescence with excellent to slow stream bright yellow-blue cut. Gas readings were difficult to define due to recycling of trip gas after DST #2. Drilling broke from 4 min/ft to 2.5 min/ft and returned to 4.5 min/ft after both breaks.

DST #3 7003-7036= (corrected to e-log depth) *Arbuckle*

IH		3456#
IF 15 min	86 -	106#
ISI 60 min		2375#
FF 60 min	102 -	258#
FSI 120 min		2362#
FH		3334#

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Recovered; 300 feet of 48 deg gravity oil, 90 feet of oil and gas cut watery mud, 15% oil, 5% gas, 15% water, 65% mud, 270 feet of gas cut saltwater, 5% gas, 95% water (cl 69,000ppm).

7052-55= *Arbuckle*; Dolomite, buff cream to off-white, friable, coarsely crystalline rhombic dolomite, excellent visible porosity, bright yellow fluorescence with milky ring cut. Gas increased from a background of 200 units to a peak of 370 units. Chromatograph readings were probably masked due to oil in the mud system after DST #3. Drilling broke from 3 min/ft to 1-1.5 min/ft for 3 feet and returned to 3-4 min/ft after the break.

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18 June 1997

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6371-6376= Osage; Limestone, white to medium gray, mottled with off white chert fragments, trace of vugular porosity with some brown (oil) stain, bright yellow florescence with bright blue stream and flush cut. Drilling rate broke from 7 min/ft to 4 min/ft then 5 min/ft. Gas readings were not accurately recorded over the zone due to temporary plugging in the trap hose.

6575-92= Osage Dolomite; Dolomite, light brown (stain), friable, fine to coarse crystalline rhombic dolomite, excellent visible porosity, vugular porosity, bright yellow-blue florescence, excellent bright blue flush cut. Drilling broke from 2.5 min/ft to 1 to .5 min/ft and returned to 5-6 min/ft. Logs calculated 20-28% porosity. Gas increased from a background of 120 units to 215 units and decreased to 150 units after the break. Chromatograph read 117 units of C1, 40 units of C2, 20 units of C3, and 2 units of C4.

DST #1 6559-79=(corrected to e-log depth) Osage

IH		3279#
IF	30min 225 -	394#
ISI	60min	2082#
FF	60min 506 -	772#
FSI	120min	2082#
FH		3178#

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Recovered; 25 feet mud with a sum of oil and 1530 feet of gas cut saltwater (15% sulfur) Rw .25 @ 76deg.

6778-6953= Viola; Limestone, buff-cream, moderately dense, fine to micro crystalline, trace fracturing, with chert; white to translucent with Aghost images of fossils no fluorescence or cut in samples. Limestone becomes pink to cream, moderately friable, fine to coarsely crystalline, chalky, recrystallized fossil fragments of crinoids and bryozoan.

6987-98= Simpson; Sandstone, clear to light brown (stain), friable to tight, fine to medium well rounded and well sorted grains. trace of visible porosity, tightly cemented for the most part with silica cement, bright yellow fluorescence bright yellow stream cut. Drilling broke from 8 min/ft to 1.5 min/ft then 4 min/ft. Gas increased from a background of 75 units to a peak of 190 units and returned to 50 units.

15-175-21628

KB 2732
GL 2720

WELLBORE PROFILE DIAGRAM

Company VENUS EXPLORATION, INC		Lease SIMONSON No. 25-1	
Location 1800 FSL 330 FWL 25-33S-31W		County Seward	State KS
		Date 7/12/97	

9 5/8, 36# Csg @ 1754 w/544 sxs cmt

ORIGINAL

TUBING DETAIL

KB Adj	8.5
Tubing Tension (18"/12,000# tension)	1.5
(10',6',2') 2 7/8 EUE, 6.5# Tubing Subs	18.65
214 jts 2 7/8 EUE, 6.5#, JS, Tubing	6925.83
TAC (40K Shear)	2.7
2 jts 2 7/8 EUE, 6.5#, JS, Tubing	64.74
SSN (2 1/4" ID)	1.1
MA (closed bottom)	16.0
Bottom of Tubing String @	7039.02

ROD DETAIL

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1 1/4"x26' PR w/1 1/4"x1 1/2"x14' HF liner
 (2',6',8') - 7/8" Pony Rods, plain, WCN 97, FH cplgs
 115 - 7/8" Rods, plain, WCN 97, FH cplgs
 152 - 3/4" Rods, WCN 97, FH cplgs
 12 - 1" Rods, WCN 97, FH cplgs
 (2') - 1" Pony Rod, WCN 97, FH cplg
 2 1/2"x2"x20' RWBC/DV, (bottom discharge valve, 141 max strk, chrome barrel)
 1 1/4"x8' Gas Anchor

5100 Top of Cmt
 5575 Top of Good Cmt

6954 TAC (12,000# tension)

7004-26 Arbuckle Perfs (4SPF)

7022 SSN

7039 Btm of MA & 216 jts 2 7/8 EUE, 6.5# JS Tubing

7046 CIBP

7052-54 Arbuckle Perfs (4SPF)

7120 CIBP

7157-61 Arbuckle Perfs (4SPF)

5 1/2, 15.5# Csg @ 7299 w/370 sxs cmt

PBTD 7046
RTD 7300

Not To Scale

SEP 4

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