P-W

San Simon - State #1
SW/4-SE/4 Sec 16 Twp 14S-R 31E 2-1
Cochise, County No Permit

County ~~Cochise~~

Area

Lease No.

Well Name San Simon Oil State #1

Location SW SE Sec 16 Twp 14S Range 31E Footage 150 fsl 2600 fel

Elev Gr KB Spud Date Dec. 23/1922 Completed Abandon Total Depth 2000

Contractor: Approx. Cost $

Drilled by Rotary
Cable Tool

Casing Size	Depth	Cement
16	175	
10	1189	
8	1592	

Production Horizon

Initial Production D&A

REMARKS

Elec. Logs (1)

Sample Log ✓
Sample Descrip. ✓
Sample Set
Cores

Applic to Plug Plugging Record Completion Report

Water well - accepted by

Bond Co. & No.

Bond Am't $ Cancelled Date Organization Report

Filing Receipt Dated Well Book Plat Book

Loc. Plat Dedication

API # 02-003-05024

PERMIT NUMBER none Date Issued

#2-14

LOG OF SAN SIMON STATE WELL

SW Corner NE1 Sec.16,T.14 S
R 31 E, [illegible], Cochise Co.
Arizona. - Completed in Dec.22,1952

DEPTH FEET	FORMATION	THICKNESS
0 - 67	Grey Clay	67
67 - 78	Light brown clay (some pebbles)first water at 74 raised 6 ft. in hole	11
78 - 88	Brown clay showing some gravel and sand	10
88 - 98	Gravel showing caliche	10
98 - 102	Caliche	4
102 - 110	Grey Clay	8
110 - 323	Blue Clay	213
323 - 325	Water in shale	2
325 - 335	Water, hole full	10
335 - 360	Blue Clay	25
360 - 364	Brown clay	4
364 - 372	Gray clay	8
372 - 375	Sand - some water	3
375 - 384	Blue clay	9
384 - 394	Grey clay	10
394 - 420	Brown clay	26
420 - 445	Grey clay showing sand	25
445 - 459	Brown clay	14
459 - 571	Yellow clay showing gravel	11
571 - 574	Sand second flow to surface gauge test 4 lbs. Bucket test 10 gal. min.	3
574 - 584	First showing oil in brown sand	10
584 - 640	Yellow clay	56
640 - 650	Yellow sandy clay	10
650 - 667	Yellow sticky clay	17
667 - 668	Sand showing blue shale,light flow water to surface	1
668 - 683	Yellow clay	15
683 - 685	Water sand small flow	20
685 - 699	Yellow clay	5
699 - 714	Grey clay	14
714 - 716	Dry sand	2
716 - 731	Yellow sticky clay	5
731 - 736	Sand small water flow	5
736 - 731	Medium hard grey clay	6
731 - 747	Yellow sticky clay	16
747 - 752	Sand small flow	5
752 - 773	Yellow clay	23
773 - 779	Dry sand	4
779 - 796	Yellow clay	17
796 - 816	Yellow clay showing brown sand	20
816 - 818	Sand showing gravel (no flow)	2
818 - 833	Yellow clay	15
833 - 843	Dry sand (no water) very hard	10
843 - 857	Yellow sticky clay	14
857 - 882	" "	25
882 - 885	Sand water flow to surface 5 gal. minute	3
885 - 923	Caliche no water	38
923 - 928	Solid sand gravel	5
928 - 1007	Sand	
1007 - 1012	Sand showing red clay some gravel	5
1012 - 1020	Sand showing blue clay	8
1020 - 1034	Yellow sticky clay	14
1034 - 1044	Red clay	13
1044 - 1054	Granite sand	10
1054 - 1071	Sand	17
1071 - 1212	Red clay - some gravel	141
1212 - 1243	Dry sand	31
1243 - 1253	Red sand (some clay)	10
1253 - 1293	Yellow sticky clay	40
1293 - 1402	Very fine running sand	109
1402 - 1405	Gray clay	3
1405 - 1406	White lime	1
1406 - 1410	Very sticky clay	4
1410 - 1425	Caliche or white lime	15

1428 - 1460	Fine running sand	[illegible]
1460 - 1468	Sticky clay	8
1468 - 1480	Fine sand	[illegible]
1480 - 1494	Yellow clay	14
1494 - 1510	Sand and gravel showing granite & lime pebbles	16
1510 - 1545	Clay and sand	35
1545 - 1715	Very fine cemented sand, some clay & fine gravel, some strata of this formation will not stand up	70
1715 - 5000	Unknown	

About ten different water strata were encountered, some of these did not flow, coming up only to about top of casing.

Casing No. 1 Hole

178' 18"	Stovepipe connector
1160' 10"	Casing 44 lbs. (perforated)
462' 8"	Casing 32 lbs. from 1160' to 1062'
400' 6¼"	Casing 26 lbs. from 1560' to 1050' and 64 ft. open hole at bottom.

April 18th, 1949.

LOG OF STATE DEEP ARTESIAN TEST WELL
8 Miles SE of San Simon Oil Well No. 1

COCHISE COUNTY

SW-SE-16-14S-31E
175 Ft. of stove pipe 16 in.; 1189 ft. of 10 in. casing in the well, 40 lb. weight; 1592 ft. of 8 in. casing

0	61	gray clay
61	68	light brown clay, some pebbles
68	78	light brown clay, some pebbles
78	88	brown clay, some gravel
	Struck first water 74 ft. raised to within 68 ft. of top	
88	98	gravel showing caliche
98	102	caliche
102	110	gray clay
110	323	blue clay
323	372	gray clay
372	375	sand and some water
375	384	blue clay
384	394	gray clay
394	420	brown clay
420	571	yellow clay showing some gravel
571	574	sand, second flow to top; gauge about 4 lbs test. bucket test 10 gal. per min.
574	584	first showing of oil in brown sand
584	591	yellow clay
591	640	yellow clay
640	650	yellow clay showing some sand
650	657	yellow sticky clay
657	667	yellow sticky clay
667	668	sand showing some black shale, light flow to surface
668	683	yellow clay
683	693	water sand, small flow
693	698	yellow clay
698	706	gray clay
706	714	gray clay
714	716	dry water sand
716	721	yellow sticky clay
721	726	sand, small flow
726	731	medium hard gray clay
731	747	yellow sticky clay
747	752	small flow
752	775	yellow clay
775	779	dry water sand
779	796	yellow clay
796	816	yellow clay showing brown sand (oil showing)
816	818	some sand showing gravel
818	833	yellow clay
833	845	dry sand very hard, no water
845	852	yellow sticky clay
852	857	yellow clay and sand, no water
857	882	yellow sticky clay
882	885	flow to the surface, 8 gal. per min.
885	908	sand no water
908	923	sand
923	928	sand and gravel
928	1007	sand
1007	1012	sand, gravel, some red clay and sand
1012	1020	some sand showing blue clay
1020	1034	granite sand
1034	1091	sand
1091	1212	red clay some gravel
1212	1243	dry sand
1243	1253	blue clay and some sand
1253	1293	yellow sticky clay
1293	1307	very fine running sand
1307	1402	very fine running sand
1402	1405	gray clay
1405	1406	white lime
1406	1410	very sticky clay

Log of State Deep Artesian Test Well COCHISE COUNTY

1410	1425	caliche or white lime
1425	1460	fine running sand
1460	1468	sticky clay
1468	1550	fine sand
1550	1566	yellow clay
1566	1610	sand and clay showing granite and lime pebbles
1610	1645	clay and sand

The log from now on was furnished later in full but does not fully correspond to the above and the following is given:

928	1740	very fine sand, some clay and fine gravel cemented together in places and sand heaved up in casing when casing was moved.
1740	1765	cemented sand and gravel up to 3 or 4 inches, coarse material encountered
1765	1775	cemented sand and clay
1775	1780	cemented gravel up to 2 in.
1780	1805	cemented sand and clay
1805	1810	cemented sand, clay and gravel up to 3/4 of an inch
1810	1830	cemented sand, clay slightly darker than before, and more of a brown color
1830	1835	cemented sand and gravel, not much clay, gravel up to 2"
1835	2000	fine sand and clay cemented together

About 10 different water stratas were encountered, some of these did not flow, coming up to within about to the top of the casing. No water was encountered below 928'. Original samples of formation can be seen by calling at the University of Tucson, Arizona.

P.S. It is believed by oil men that a number of the formations called clay were shale since the driller was not an oil driller previously. The heaving up of the sand was possibly gas pressure, from those who saw it.

According to the Bowie Well, the cementing together of the sand mentioned, possibly might be the same as the porus oil sand found in the Bowie Well. It has been told by local residents that other oil sands were found in this well with good oil showing.

s/S. W. Funk

SW SE 16-14S-31E

LOG OF STATE DEEP ARTESIAN TEST WELL
8 Miles SE of San Simon Oil Well No.1
started Dec. 22, 1922.
175 ft. of stove pipe 16 in.; 1189 ft.
of 10 in. casing in the well, 40 lb.
weight; 1592 ft. of 8 in. casing.

TD 2000'

-o-o-o-o-o-o-o-

0 to 61 ft. Gray Clay
61 to 68 ft. Light brown clay, some pebbles
68 to 76 ft. Light brown clay, some pebbles
76 to 88 ft. Brown clay, some gravel
Struck first water 74 ft. raised to within 68 ft. of top
88 to 98 ft. Gravel showing caliche
98 to 102 ft. Caliche
102 to 110 Gray clay
110 to 323 ft. Blue Clay
364 to 372 ft. Gray Clay
372 to 375 ft. Sand and some water
375 to 384 ft. Blue Clay
384 to 394 ft. Gray clay
394 to 420 ft. Brown clay
420 to 571 ft. Yellow Clay showing some gravel
571 to 574 ft. Sand, second flow to top; guage about 4 lbs test,
bucket test 10 gal. per min
574 to 584 ft. First showing of oil in brown sand
584 to 591 ft. Yellow Clay
591 to 640 ft. Yellow Clay
640 to 650 ft. Yellow Clay showing some sand
650 to 657 ft. Yellow sticky Clay
657 to 667 ft. Yellow Sticky Clay
667 to 668 ft. Sand showing some black shale, light flow to surface
668 to 683 ft. Yellow Clay
683 to 693 ft. Water Sand, small flow
693 to 698 ft. Yellow Clay
698 to 706 ft. Gray Clay
706 to 714 ft. Gray Clay
714 to 716 ft. Dry Water Sand
716 to 721 ft. Yellow Sticky Clay
721 to 726 ft. Sand, small flow
726 to 731 ft. Medium hard grey clay
731 to 747 ft. Yellow sticky clay
747 to 752 ft. Small flow
752 to 775 ft. Yellow Clay
775 to 779 ft. Dry water sand
779 to 796 ft. Yellow clay
796 to 816 ft. Yellow clay showing brown sand
(Oil showing)
816 to 818 ft. Some sand showing gravel
818 to 833 ft. Yellow Clay
833 to 845 ft. Dry sand very hard, no water
845 to 852 ft. Yellow Sticky Clay
852 to 857 Yellow Clay and sand, no water
857 to 882 ft. Yellow Sticky clay
882 to 885 ft. Flow to the surface, 8 Gal. per min.
885 to 908 ft. Sand no water
908 to 923 ft. Sand
923 to 928 ft. Sand and Gravel
928 to 1007 ft. Sand
1007 to 1012 ft. Sand, gravel, some red clay and sand
1012 to 1020 ft. Some sand showing blue clay
1020 to 1034 ft. Granite sand
1034 to 1091 ft. Sand

No point

San Simon State #1
SW SE Sec 16 - 14S - 31E
Started 12-22-1922

Cochise Co., Ariz.

175' of stove pipe 16";
1189' of 10" Csg.
1592' of 8" csg.
TD 2000'

1091 to 1212 ft. Red Clay some gravel
1212 to 1243 ft. Dry sand
1243 to 1253 ft. Blue clay and some sand
1253 to 1293 ft. Yellow sticky clay
1293 to 1307 ft. Very fine running sand
1307 to 1402 ft. Very fine running sand
1402 to 1405 ft. Gray clay
1405 to 1406 ft. white lime
1406 to 1410 ft. very sticky clay
1410 to 1425 ft. Caliche or white lime
1425 to 1460 ft. fine running sand
1460 to 1468 ft. sticky clay
1468 to 1550 ft. Fine sand
1550 to 1566 ft. Yellow clay
1566 to 1610 ft. Sand and clay showing granite and lime pebbles
1610 to 1645 ft. Clay and sand
The log from now on was furnished later in full but does not fully correspond to the above and the following is given:
928 to 1740 ft. very fine sand, some clay and fine gravel cemented together in places and sand heaved up in casing when casing was moved
1740 to 1765 ft. Cemented sand and gravel up to 3 or 4 inches, coarse material encountered
1765 to 1775 ft. Cemented sand and clay
1775 to 1780 ft. Cemented gravel up to 2 in.
1780 to 1805 ft. Cemented sand and clay
1805 to 1810 ft. Cemented sand, clay and gravel up to 3/4 of an inch
1810 to 1830 ft. Cemented sand, clay slightly darker than before, and more of a brown color.
1830 to 1835 ft. Cemented sand and gravel, not much clay, gravel up to 2 in.
1835 to 2000 ft. Fine sand and clay cemented together

About 10 different water strata were encountered, some of these did not flow, coming up to within about to the top of the casing. No water was encountered below 928 ft. Original samples of formation can be seen by calling at the University of Tucson, Arizona.

P. S., It is believed by oil men that a number of the formations called clay were shale since the driller was not ~~a~~ oil driller previously. The heaving up of the sand was possibly gas pressure, from those who saw it.
According to the Bowie well, the cementing together of the sand mentioned, possibly might be the same as the porus oil sand found in the Bowie well. It has been told by local residents that other oil sands were found in this well with good oil showing. s/ S. W. Funk

Elephant

SW SE 16-14S-31E

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8 Miles SE of San Simon Oil Well No.1
started Dec. 22, 1928.
175 ft. of stove pipe 16 in.; 1189 ft.
of 10 in. casing in the well, 40 lb.
weight; 1592 ft. of 8 in. casing.

TD 2000'

-o-o-o-o-o-o-o-

0 to 61 ft. Gray Clay
61 to 68 ft. Light brown clay, some pebbles
68 to 78 ft. Light brown clay, some pebbles
78 to 88 ft. Brown clay, some gravel
Struck first water 74 ft. raised to within 68 ft. of top
88 to 98 ft. Gravel showing caliche
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571 to 574 ft. Sand, second flow to top; guage about 4 lbs test,
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574 ~~to~~ 584 ft. First showing of oil in brown sand
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714 to 716 ft. Dry Water Sand
716 to 721 ft. Yellow Sticky Clay
721 to 726 ft. Sand, small flow
726 to 731 ft. Medium hard gray clay
731 to 747 ft. Yellow sticky clay
747 to 752 ft. Small flow
752 to 775 ft. Yellow Clay
775 to 779 ft. Dry water sand
779 to 796 ft. Yellow clay
796 to 816 ft. Yellow clay showing brown sand
(Oil showing)
816 to 818 ft. Some sand showing gravel
818 to 833 ft. Yellow Clay
833 to 845 ft. Dry sand very hard, no water
845 to 852 ft. Yellow Sticky Clay
852 to 857 Yellow Clay and sand, no water
857 to 882 ft. Yellow Sticky clay
882 to 885 ft. Flow to the surface, 8 Gal. per min.
885 to 906 ft. Sand no water
906 to 923 ft. Sand
923 to 928 ft. Sand and Gravel
928 to 1007 ft. Sand
1007 to 1012 ft. Sand, gravel, some red clay and sand
1012 to 1020 ft. Some sand showing blue clay
1020 to 1034 ft. Granite sand
1034 to 1091 ft. Sand

No permit

San Simon State #1
SW SE Sec 16. 14S-31E
Started 12-22-1922

Cochise Co., Ariz.

175' of stove pipe 16";
1189' of 10" csg.
1592' of 8" csg.
TD 2000'

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1243 to 1253 ft. Blue clay and some sand
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1293 to 1307 ft. Very fine running sand
1307 to 1402 ft. Very fine running sand
1402 to 1405 ft. Gray clay
1405 to 1406 ft. white lime
1406 to 1410 ft. very sticky clay
1410 to 1425 ft. Caliche or white lime
1425 to 1460 ft. fine running sand
1460 to 1468 ft. sticky clay
1468 to 1550 ft. Fine sand
1550 to 1566 ft. Yellow clay
1566 to 1610 ft. Sand and clay showing granite and lime pebbles
1610 to 1645 ft. Clay and sand
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1775 to 1780 ft. Cemented gravel up to 2 in.
1780 to 1805 ft. Cemented sand and clay
1805 to 1810 ft. Cemented sand, clay and gravel up to 3/4 of an inch
1810 to 1830 ft. Cemented sand, clay slightly darker than before, and more of a brown color.
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Uno permit

Cochise

San Simon State well. SW¼ SE¼ Section 15, T. 14 S., R. 31 E.
Drilled by State of Arizona for water well. Spudded in December 22, 1923.

#2-14

Log of San Simon Well
(Furnished by Bob Thomas, Globe, Arizona)

0 -	67	Gray clay
67 -	78	Light brown clay (some pebbles) first water at 74 raised 6 feet in hole
78 -	88	Brown clay showing some gravel and sand
88 -	98	Gravel showing caliche
98 -	102	Caliche
102 -	110	Gray clay
110 -	325	Blue clay
325 -	335	Water. hole full
335 -	360	Blue clay
360 -	364	Brown clay
364 -	372	Gray clay
372 -	375	Sand - some water
375 -	384	Blue clay
384 -	394	Gray clay
394 -	420	Brown clay
420 -	445	Gray clay showing sand
445 -	460	Brown clay
460 -	571	Yellow clay showing gravel
571 -	574	Sand second flow to surface guage test 4 lbs. Bucket test 10 gals. min.
574 -	584	First showing oil in brown sand
584 -	640	Yellow clay
640 -	650	Yellow sandy clay
650 -	657	Yellow sticky clay
657 -	658	Sand showing blue shale, light flow water to surface.
658 -	683	Yellow clay
683 -	693	Water sand small flow
693 -	698	Yellow clay
698 -	714	Gray clay
714 -	715	Dry sand
715 -	721	Yellow sticky clay
721 -	725	Sand small water flow
725 -	731	Medium hard gray clay
731 -	747	Yellow sticky clay
747 -	752	Sand small flow
752 -	775	Yellow clay
775 -	779	Dry sand
779 -	798	Yellow clay
798 -	816	Yellow clay showing brown sand
816 -	818	Sand showing gravel (no flow)
818 -	853	Yellow clay
853 -	845	Dry sand (no water) very hard
845 -	857	Yellow sticky clay
857 -	882	Yellow sticky clay
882 -	885	Sand, water flow to surface 8 gals. minute
885 -	923	Sand, no water
923 -	929	Sand and gravel
929 -	1,007	Sand
1,007 -	1,012	Sand showing red clay some gravel
1,012 -	1,020	Sand showing blue clay
1,020 -	1,034	Yellow sticky clay
1,034 -	1,044	Red clay
1,044 -	1,054	Granite sand
1,054 -	1,091	Sand
1,091 -	1,212	Red clay - some gravel

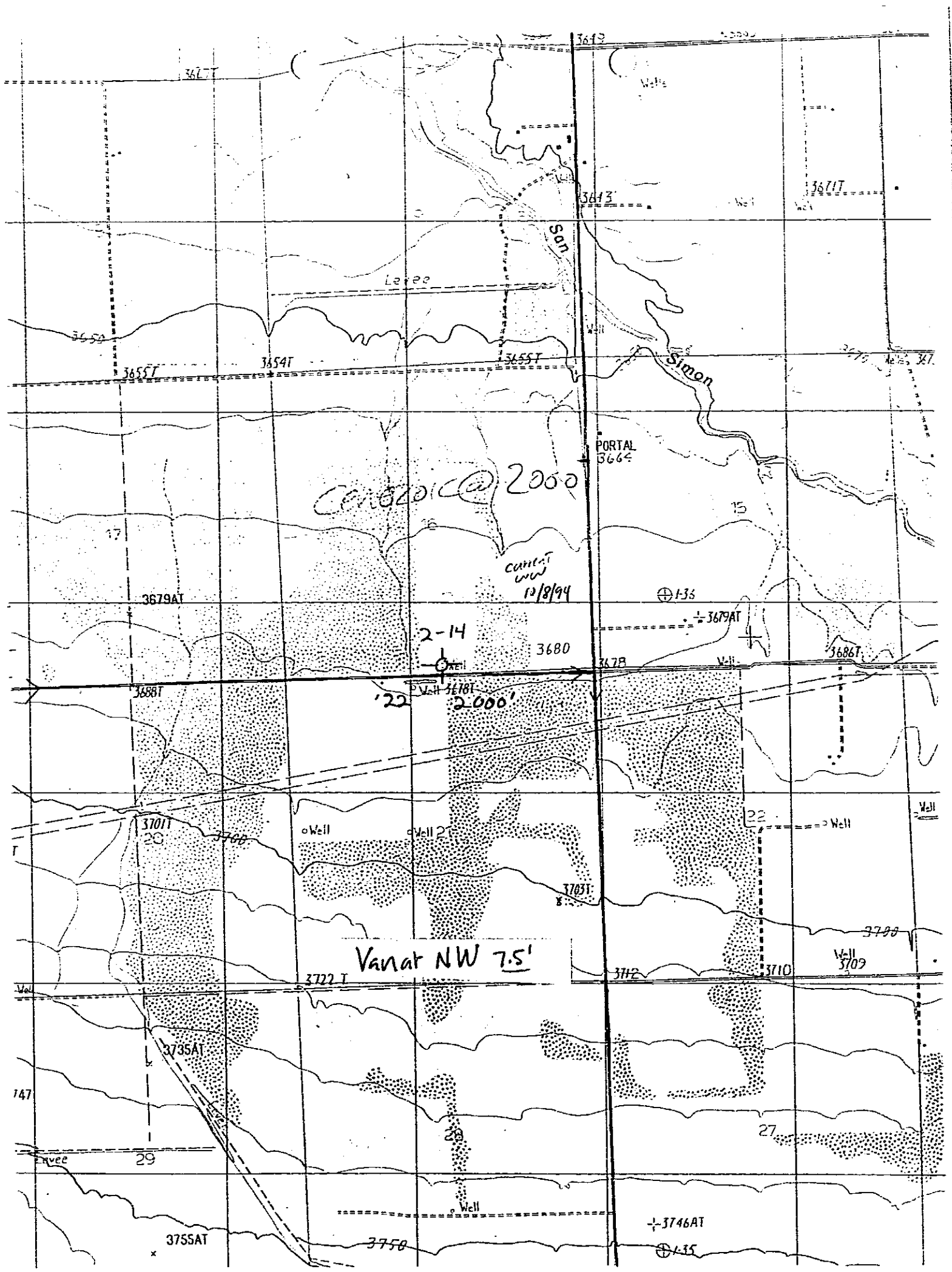
Log of San Simon Well (Continued)

1,212 - 1,243	Dry sand
1,243 - 1,253	Red sand (some clay)
1,253 - 1,293	Yellow sticky clay
1,293 - 1,402	Very fine running sand
1,402 - 1,405	Gray clay
1,405 - 1,406	White lime
1,406 - 1,410	Very sticky clay
1,410 - 1,425	Caliche or white lime
1,425 - 1,460	Fine running sand
1,460 - 1,468	Sticky clay
1,468 - 1,550	Fine sand
1,550 - 1,566	Yellow clay
1,566 - 1,610	Sand and gravel showing granite and lime pebbles.
1,610 - 1,645	Clay and sand
1,645 - 1,715	Very fine cemented sand, some clay and five gravel. Some strata of this formation will not stand up
1,715 - 2,000	Unknown About ten different water strata were encountered. Some of these did not flow, coming up only to about top of casing.

<u>Casing Now in Well</u>

175 feet 16-inch.	Stovepipe conductor.
1,189 feet 10-inch.	Casing 40 pounds. (perforated)
452 feet 8-inch.	Casing 32 pounds from 1,140 feet to 1,592 feet.
400 feet 6¼-inch.	Casing 20 pounds from 1,550 feet to 1,950 feet. 50 feet open hole at bottom.

* * * * * * * * * * * *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Simon
Levee
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Current
12/8/94
3679AT
136
3679AT
2-14
3680
3678
3686T
3688T
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'22
2,000'
3701T
20
Well
Well 21
22
Well
3703T
3700
Vanat NW 7.5'
3722 T
3712
3710
Well
3709
3735AT
147
28
27
29
Levee
Well
3746AT
3755AT
3750
135

SWmSE 16 | Cochise

T. 14S | R. 31E | STATE Artesian COMPANY

NO.

16

COMMENCED 12-22 19 22

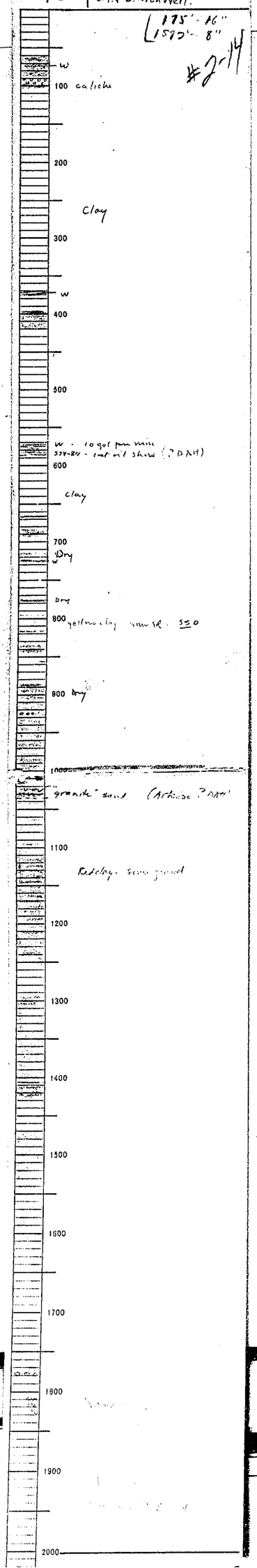
COMPLETED 19

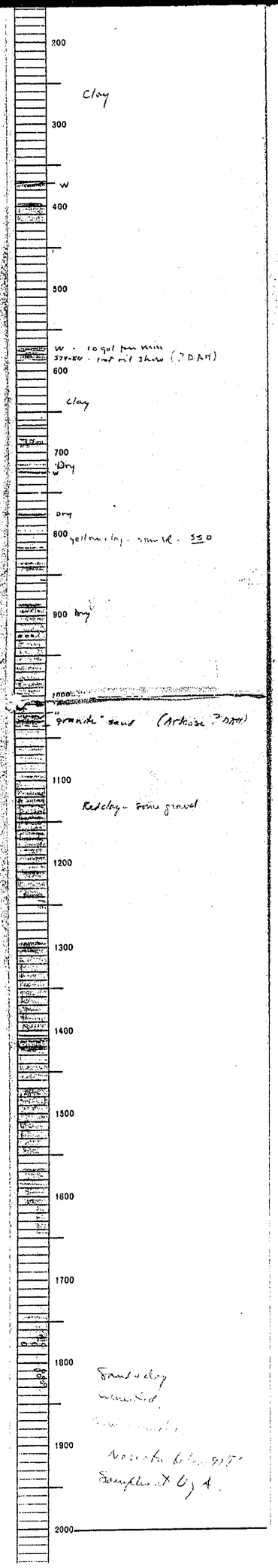
ELEVATION 15

REMARKS: 8 mi SE of San Simon Well.

175'-16"
1575'-8"

#2-14




200
Clay
300
W
400
500
W - 10 gal per min
534-84 - 1 oil shows (?DAH)
600
clay
700
Dry
W
Dry
800
yellow clay - some SR - SSO
900
Dry
1000
"granite" sand (Artesian ?DAH)
1100
Red clay - some gravel
1200
1300
1400
1500
1600
1700
1800
Sand & clay
1900
Samples at U of A.
2000

SW SE 16-14S-31E

LOG OF STATE DEEP ARTESIAN TEST WELL
8 Miles SE of San Simon Oil Well No.1
started Dec. 22, 1922.
175 ft. of stove pipe 16 in.; 1189 ft.
of 10 in. casing in the well, 40 lb.
weight; 1592 ft. of 8 in. casing.

TD 2000'

-o-o-o-o-o-o-o-

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731 to 747 ft. Yellow sticky clay
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779 to 796 ft. Yellow clay
796 to 816 ft. Yellow clay showing brown sand
(Oil showing)
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882 to 885 ft. Flow to the surface, 8 Gal. per min.
885 to 906 ft. Sand no water
908 to 923 ft. Sand
923 to 928 ft. Sand and Gravel
928 to 1007 ft. Sand
1007 to 1012 ft. Sand, gravel, some red clay and sand
1012 to 1020 ft. Some sand showing blue clay
1020 to 1034 ft. Granite sand
1034 to 1091 ft. Sand

Oil permit

San Simon State #1
SW SE Sec 16 - 14S - 31E
Started 12-22-1922

Cochise Co., Ariz.

175' of stove pipe 16";
1189' of 10" csg.
1592' of 8" csg.
TD 2000'

1091 to 1212 ft. Red Clay some gravel
1212 to 1243 ft. Dry sand
1243 to 1253 ft. Blue clay and some sand
1253 to 1293 ft. Yellow sticky clay
1293 to 1307 ft. Very fine running sand
1307 to 1402 ft. Very fine running sand
1402 to 1405 ft. Gray clay
1405 to 1406 ft. white lime
1406 to 1410 ft. very sticky clay
1410 to 1425 ft. Caliche or white lime
1425 to 1460 ft. fine running sand
1460 to 1468 ft. sticky clay
1468 to 1550 ft. Fine sand
1550 to 1566 ft. Yellow clay
1566 to 1610 ft. Sand and clay showing granite and lime pebbles
1610 to 1645 ft. Clay and sand
The log from now on was furnished later in full but does not fully correspond to the above and the following is given:
928 to 1740 ft. very fine sand, some clay and fine gravel cemented together in places and sand heaved up in casing when casing was moved
1740 to 1765 ft. Cemented sand and gravel up to 3 or 4 inches, coarse material encountered
1765 to 1775 ft. Cemented sand and clay
1775 to 1780 ft. Cemented gravel up to 2 in.
1780 to 1805 ft. Cemented sand and clay
1805 to 1810 ft. Cemented sand, clay and gravel up to 3/4 of an inch
1810 to 1830 ft. Cemented sand, clay slightly darker than before, and more of a brown color.
1830 to 1835 ft. Cemented sand and gravel, not much clay, gravel up to 2 in.
1835 to 2000 ft. Fine sand and clay cemented together

About 10 different water strata were encountered, some of these did not flow, coming up to within about to the top of the casing. No water was encountered below 928 ft. Original samples of formation can be seen by calling at the University of Tucson, Arizona.

P. S., It is believed by oil men that a number of the formations called clay were shale since the driller was not ~~xxxxx~~ oil driller previously. The heaving up of the sand was possibly gas pressure, from those who saw it.
According to the Bowie well, the cementing together of the sand mentioned, possibly might be the same as the porus oil sand found in the Bowie well. It has been told by local residents that other oil sands were found in this well with good oil showing. s/ S. W. Funk

Agreement

LOG OF STATE DEEP ARTESIAN TEST WELL
8 Miles SE of San Simon Oil Well No. 1

COCHISE COUNTY

SW-SE-16-14S-31E
175 Ft. of stove pipe 16 in.; 1189 ft. of 10 in. casing in the well, 40 lb. weight; 1592 ft. of 8 in. casing

Post-it® Fax Note 7671	Date 8-6-99	# of pages ▸ 4
To Mike Rice	From Steve	
Co./Dept. Minerals	Co.	
Phone #	Phone # 770 3500	
Fax # 542-4668	Fax #	

0	61	gray clay
61	68	light brown clay, some pebbles
68	78	light brown clay, some pebbles
78	88	brown clay, some gravel
	Struck first water 74 ft. raised to within 68 ft. of top	
88	98	gravel showing caliche
98	102	caliche
102	110	gray clay
110	323	blue clay
323	372	gray clay
372	375	sand and some water
375	384	blue clay
384	394	gray clay
394	420	brown clay
420	571	yellow clay showing some gravel
571	574	sand, second flow to top; gauge about 4 lbs test. bucket test 10 gal. per min.
574	584	first showing of oil in brown sand
584	591	yellow clay
591	640	yellow clay
640	650	yellow clay showing some sand
650	657	yellow sticky clay
657	667	yellow sticky clay
667	668	sand showing some black shale, light flow to surface
668	683	yellow clay
683	693	water sand, small flow
693	698	yellow clay
698	706	gray clay
706	714	gray clay
714	716	dry water sand
716	721	yellow sticky clay
721	726	sand, small flow
726	731	medium hard gray clay
731	747	yellow sticky clay
747	752	small flow
752	775	yellow clay
775	779	dry water sand
779	796	yellow clay
796	816	yellow clay showing brown sand (oil showing)
816	818	some sand showing gravel
818	833	yellow clay
833	845	dry sand very hard, no water
845	852	yellow sticky clay
852	857	yellow clay and sand, no water
857	882	yellow sticky clay
882	885	flow to the surface, 8 gal. per min.
885	908	sand no water
908	923	sand
923	928	sand and gravel
928	1007	sand
1007	1012	sand, gravel, some red clay and sand
1012	1020	some sand showing blue clay
1020	1034	granite sand
1034	1091	sand
1091	1212	red clay some gravel
1212	1243	dry sand
1243	1253	blue clay and some sand
1253	1293	yellow sticky clay
1293	1307	very fine running sand
1307	1402	very fine running sand
1402	1405	gray clay
1405	1406	white lime
1406	1410	very sticky clay

Log of State Deep Artesian Test Well COCHISE COUNTY

1410	1425	caliche or white lime
1425	1460	fine running sand
1460	1468	sticky clay
1468	1550	fine sand
1550	1566	yellow clay
1566	1610	sand and clay showing granite and lime pebbles
1610	1645	clay and sand

The log from now on was furnished later in full but does not fully correspond to the above and the following is given:

928	1740	very fine sand, some clay and fine gravel cemented together in places and sand heaved up in casing when casing was moved.
1740	1765	cemented sand and gravel up to 3 or 4 inches, coarse material encountered
1765	1775	cemented sand and clay
1775	1780	cemented gravel up to 2 in.
1780	1805	cemented sand and clay
1805	1810	cemented sand, clay and gravel up to 3/4 of an inch
1810	1830	cemented sand, clay slightly darker than before, and more of a brown color
1830	1835	cemented sand and gravel, not much clay, gravel up to 2"
1835	2000	fine sand and clay cemented together

About 10 different water stratas were encountered, some of these did not flow, coming up to within about to the top of the casing. No water was encountered below 928'. Original samples of formation can be seen by calling at the University of Tucson, Arizona.

P.S. It is believed by oil men that a number of the formations called clay were shale since the driller was not an oil driller previously. The heaving up of the sand was possibly gas pressure, from those who saw it.

According to the Bowie Well, the cementing together of the sand mentioned, possibly might be the same as the porus oil sand found in the Bowie Well. It has been told by local residents that other oil sands were found in this well with good oil showing.

s/S. W. Funk