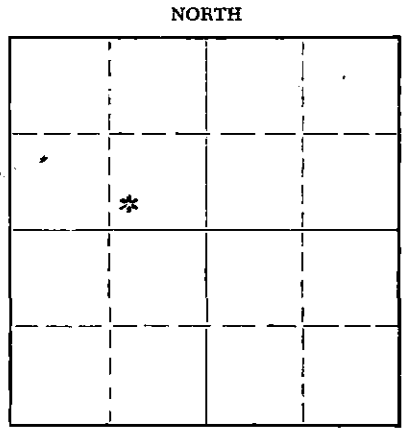


WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
211 No. Broadway
Wichita, Kansas

Pratt County. Sec. 21 Twp. 26S Rge. 13W (E) (W)
Location as "NE/CNW $\frac{1}{2}$ SW $\frac{1}{2}$ " or footage from lines SW SE NW
Lease Owner A. G. Hill
Lease Name Dodson Well No. 1
Office Address 101 Wagstaff Bldg. - Abilene, Texas
Character of Well (completed as Oil, Gas or Dry Hole) Oil well
Date well completed _____ 19____
Application for plugging filed _____ 19____
Application for plugging approved _____ 19____
Plugging commenced March 15 1957
Plugging completed March 19 1957
Reason for abandonment of well or producing formation Depleted



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production _____ 19____
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Merle Rives
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 4560 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				8-5/8"	420'	None
				5-1/2"	4500'	3216'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Filled the hole with sand from 4560' to 4490' and ran 5 sacks of cement to 4455'. Pulled the casing up to 1800' and circulated the hole with 44 sacks of jell mud. Pulled rest of the casing. Bailed the mud to 310', set a 10' rock bridge and ran 20 sacks of cement. Cement filled to 230'. Mudded the hole to 40', set a 10' rock bridge and ran 10 sacks of cement to fill to the base of the cellar. Plugging compltd.

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor West Supply Co., Inc.
Address Chase, Kansas

STATE OF Texas, COUNTY OF Taylor, ss.
E. L. Corley (employee of owner) or (~~owner~~) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) E. L. Corley
101 Wagstaff Bldg., Abilene, Texas
(Address)

SUBSCRIBED AND SWORN TO before me this 27 day of March, 19 57

My commission expires January, 1957
[Signature] Notary Public.

PLUGGING
FILE SEC 21 T. 26 R. 13W
BOOK PAGE 145 LINE 23

APR 4 1957
DIVISION
KANSAS
Rec'd
4-4-57

JOHNS AND MAGATHAN
CONSULTING GEOLOGISTS

WENDELL S. JOHNS
WILLIS JACK MAGATHAN

501 BITTING BUILDING
WICHITA 2, KANSAS

TELEPHONE 3-1540

March 25, 1954

Mr. L. A. Gilles
101 Wagstaff Building
Abilene, Texas

Re: Geological Report; A. G. Hill #1 Dodson
SW/SE/NW; 21-26S-13W
Pratt County, Kansas
Elevation: 1938 derrick floor
1941 rotary bushing
Contractor: Reserve Drilling Co.

Dear Sir:

The #1 Dodson was spudded February 5, 1954, and was drilled from the surface to the total depth of 4560' with rotary tools. Samples were saved and a time log was kept from 3500' to the total depth.

A Schlumberger Gamma Ray-Laterolog-Microlaterolog combination was run on this well. The drilling measurements are from two to three feet deeper than electric log measurements from 3500' to the total depth.

The following is a list of formation tops and other data of interest. Unless otherwise noted, all information is from my sample log, which has been corrected for sample lag by use of the time log. All measurements are from the top of the rotary bushing which is three feet above the derrick floor. The rotary bushing elevation has been used to compute all distances from sea level.

<u>Formation Name</u>	<u>Depth Below Surface</u>	<u>Distance From Sea Level</u>	<u>Remarks</u>
8 5/8" surface casing	420		250 sacks cement + 2# gel. and 250# Flocele
Heebner Shale	3607 - 15	-1666 to -1674	
Toronto Limestone	3628-42	-1687 to -1701	
(1) Porous zone	3628 - 35		Fair stain
Top Douglas	3642	-1701	
(1) Sand zone	3670 - 3714		Some fair oil stain
Top Brown Lansing	3777	91836	
Top Lansing	3806	-1865	
(1) Porous zone	3840 - 48		Trace light stain; DST
(2) Porous zone	3858 - 72		Slight trace stain
(3) Porous zone	3909 - 34		Trace dark brown stain
(4) Porous zone	3937 - 47		Trace stain

RECEIVED
STATE CORPORATION COMMISSION

MAR 5 - 1954

CONSERVATION DIVISION
Wichita, Kansas

PLUGGING	
FILE	SEC. 21 T. 26 R. 13W
BOOK	PAGE 145 LINE 23

(2) Geological report; A. G. Hill #1 Dodson

<u>Formation Name</u>	<u>Depth Below Surface</u>	<u>Distance From Sea Level</u>	<u>Remarks</u>
(5) Porous zone	3958 - 62		Trace free oil; faint odor; DST
(6) Porous zone	3995 - 97		Trace stain
(7) Porous zone	4008 - 16		Slight trace odor, trace spotted stain, no free oil.
(8) Porous zone	4027 - 31		Trace stain, no free oil
Base Kansas City	4120	-2179	
Top Marmaton	4120	-2179	
Top Conglomerate	4247	-2306	
(1) Porous zone	4247 - 60		Good brown stain, no odor or free oil.
Top Mississippi	4282	-2341	
(1) Porous zone	4282 - 4300		Light stain, no odor or free oil.
Top Kinderhook	4300	-2359	
Top Viola	4327	-2386	
(1) Porous zone	4327 - 39		No show
(2) Porous zone	4384 - 92		No show
Top Simpson	4414	-2473	
(1) Sand zone	4421 - 34		Good odor, very slight show free oil.
(2) Sand zone	4436 - 40		Good odor, slight show free oil.
(3) Sand zone	4453 - 56		Fair odor, slight show free oil.
(4) Shaly sand zone	4456 - 70		Very shaly; spotted porosity and spotted staining.
Top Arbuckle	4511	-2570	
(1) Porous zone	4513 - 16		No show
(2) Porous zone	4526 - 30		No show
(3) Porous zone	4539 - 41		No show
(4) Porous zone	4554 - 58		No show
Rotary total depth	4560	-2619	
5½" casing	4500	-2559	250 sacks cement.

Drill Stem Test Data:

The following drill stem tests were run on the #1 Dodson:

Lansing-Kansas City:

DST #1: 3832-50; open 1 hour - good blow which decreased
to small blow in 15 min. and died before
end of test.

Recovered 150' gas cut and very slightly oil cut mud
180' salt water with trace oil at top
Shut in pressure 1380# (20 min.)

DST #2: 3958-68; open 30 minutes - slight trace blow

Recovered 240' mud - tried to reopen tool and it failed
to close after the packer was unseated. Probably
less than 10' mud recovered in actual test
Shut in pressure 0#

(3) Geological report: A. G. Hill #1 Dodson

(Drill stem test data cont'd.)

Simpson:

DST #3 4414-28; open 1½ hours - fair to good blow throughout test. Gas to surface in 1 hour and 25 min. Recovered 80' heavily oil and gas cut mud
120' muddy oil
175' clean oil
5' filtrate (analysed by Halliburton)
Shut in pressure 1410# (30 min.)
Initial flowing pressure 0#
Final flowing pressure 107#

DST #4 4428-56; open 1½ hours - good blow throughout test. Gas to surface in 1½ hours
Recovered 65' muddy oil
150' slightly muddy oil
Shut in pressure 1465# (30 min.)
Initial flowing pressure 30#
Final flowing pressure 90#

Completion Data:

Perforated 112 holes 4421-37
Acidized with 250 gal. acid and 250 gal. mud acid
Swab 3 BOPH - no water
Sand - oil Frac. with 2335 gal. oil / 3500# sand
Ran tubing and rods and set pumping equipment

Structural Position:

On top of the Lansing the #1 Dodson is 8' lower than the H. L. Moore #1 Williams, a Simpson producer in SE/SW/NW; 29-26S-13W (approximately 1½ miles southwest) and 9' higher than the Iron #1 Frisbie, a dry hole in SW/SW/SE; 21-26S-13W (approximately ½ mile southeast); on the Simpson, the #1 Dodson is 7' lower than the #1 Williams and 28' higher than the #1 Frisbie.

On the Arbuckle, the #1 Dodson is 1' higher than the #1 Williams and 17' higher than the #1 Frisbie.

Future Prospects - Additional Producing Horizons:

Lansing-Kansas City:

The results of the drill stem test taken in zone #1 (3840-48) indicate that this zone will not make a commercial producer. It is not worthy of further tests.

Zone #5 (3958-62) was also tested and the test failed to reveal any commercial possibilities.

There are however, two zones in the Lansing-Kansas City which look fairly prospective on the electric log and which should be watched closely in future wells to be drilled in this area. Both of these zones may be deserving of further testing at some time in this well. They are: the top part (3909-20) of zone #3 and all of zone #7 (4008-16).

(4) Geological report: A. G. Hill #1 Dodson

Zone #8 (4027-31) appears to be slightly prospective on the electric log but did not look too good in the samples. It should be watched closely in succeeding wells to be drilled in the area and if sufficient shows of oil are found in the wet samples, should be drill stem tested.

The remaining zones in the Lansing-Kansas City which do not appear to be too tight to produce any fluid, almost certainly carry water.

Conglomerate:

This section is not very prospective in the #1 Dodson, but because porosity conditions change rapidly in this type of reservoir it should be watched closely in future wells. There is, at present, no Conglomerate production in this area.

Mississippi:

The Mississippi Chert zone is quite tight in this well and does not warrant further tests.

Viola:

There were no shows of oil in the Viola and although the #1 Zone (4327-39) looks mildly prospective on the electric log, it is doubtful that it would be worth further testing.

Simpson:

The well is now producing from sand zones #1 (4421-34) and #2 (4436-40).

It is possible that the sand and shaly sand (4453-70) may be worth testing after present production from the Simpson is exhausted.

The water saturation figures in the Simpson (see electric log) are probably of little value. In arriving at these figures, I used a Simpson water resistivity value from a well several miles away since water resistivity values on closer wells were not available. The R_w (water resistivity value) in the Simpson is known to change rapidly from county to county and even from one field to another so before an even remotely reliable figure for water saturation in this well can be calculated, we must have the R_w from the #1 Dodson. At some time in the near future I will catch a sample of water from this well and send your company an amended set of water saturation values for the Simpson.

Arbuckle:

There were no shows of oil in the Arbuckle and therefore is not worthy of further tests.

Very truly yours,

Willis Jack Magathan
Willis Jack Magathan.

Kendall S. Johns

WJM:bjm

FORMATION LOG

A. G. Hill #1 Dodson
 SW/SE/NW; 21-26S-13W
 Pratt County, Kansas
 Elevation: 1938 derrick floor

3 5/8" surface casing 420'
 5 1/2" casing 4500'
 Conn: 2/5/54
 Comp:

Note: All measurements are from the top of the rotary bushing which is three feet above the derrick floor.

Depth	Formation Description	Remarks
0 - 175	Sand and shale	Drillers log 0 - 3500'
175 - 600	Red bed	
600 - 880	Red bed and shells	
880 - 1038	Shale and shells	
1038 - 1280	Red bed and shells	
1280 - 1600	Shale and shells	
1600 - 1780	Salt, shale and shells	
1780 - 1885	Limestone	
1885 - 2395	Limestone and shale	
2395 - 2515	Shale and limestone	
2515 - 2635	Limestone and shale	
2635 - 3115	Shale and limestone	
3115 - 3215	Limestone and shale	
3215 - 3345	Shale and limestone	
3345 - 3500	Limestone and shale	
3500 - 3504	Limestone, gray, sub-crystalline	<u>Sample log 3500' to T.D.</u>
3504 - 3508	Shale, gray	
3508 - 3554	Limestone, gray, sub-crystalline to crystalline; good vugular and oolitic porosity	Trace stain
3554 - 3562	Limestone, light gray, dense	
3562 - 3568	Limestone, as above, spotted porosity	Trace stain
3568 - 3579	Limestone, white to light tan to brown, sucrose, dolomitic; porous	Some staining
3579 - 3596	Limestone, tan, dense; gray shale streaks	
3596 - 3607	Limestone, light tan, dense; streaks sucrose, porous limestone	Light stain
3607 - 3615	Shale, soft, brown-black	Heebner
3615 - 3618	Limestone, dark brown, dense, fossiliferous.	Leavenworth
3618 - 3628	Shale, green-gray	Snyderville
3628 - 3635	Limestone, white to light tan to light gray, sub-crystalline, chalky; some vugular porosity	Toronto; fair stain
3635 - 3642	Limestone, as above, no porosity	
3642 - 3670	Shale green to green-gray; gray micaceous siltstone.	Top Douglas 3642
3670 - 3714	Sand, gray to brown, fine to medium, angular, micaceous, slightly silty.	Fair oil stain
3714 - 3777	Shale, green-gray, trace brown; some shaly sand.	
3777 - 3782	Limestone, dark brown to gray, dense	Top Brown Lansing 3777

(2) Formation log; A. G. Hill #1 Dodson

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
3782 - 3806	Shale, gray; streaks limestone, as above	
3806 - 3840	Limestone, light gray; sub-crystalline, chalky and gray to tan sub-crystalline to finely crystalline; trace white, opaque chert	Top Lansing 3806
3840 - 3848	Limestone, gray, dense, some brown, sucrose; fair vugular porosity	Trace light stain; DST
3848 - 3858	Limestone, brown, dense; streaks gray and brown shale.	
3858 - 3872	Limestone, tan to dark brown, sub-crystalline to sucrose; some porosity	Slight trace stain
3872 - 3909	Limestone, tan to brown, dense to sub-crystalline; thin streaks brown shale	
3909 - 3934	Limestone, gray to brown, finely crystalline to dense; chert, gray to black opaque; some porosity.	Trace light to dark brown stain
3934 - 3937	Limestone and chert, as above; no porosity.	
3937 - 3947	Limestone, porous, as above; chert, as above	Trace stain
3947 - 3958	Limestone, as above; streaks brown and gray-green shale	
3958 - 3962	Limestone, brown to gray, sub-crystalline, oolitic; good oolitic porosity.	Fair spotted stain, trace free oil, slight odor; DST.
3962 - 3995	Limestone, tan to brown, sub-crystalline to dense; much gray, opaque chert; thin streaks shale	
3995 - 3997	Limestone, white to light gray, oolitic; some oolitic porosity	Trace stain, no free oil
3997 - 4008	Limestone and brown shale streaks	
4008 - 4016	Limestone, gray, oolitic and oolitic, good porosity; some gray, opaque chert.	Slight trace odor, trace spotted stain
4016 - 4027	Limestone, tan to gray-brown, dense; chert, as above	
4027 - 4031	Limestone, gray, dense; spotted oolitic porosity	Trace stain
4031 - 4120	Limestone, tan to gray to buff, sub-crystalline to dense, lithographic; chert, gray, opaque, earthy; streaks gray-black and gray-green shale	Base Kansas City 4120
4120 - 4134	Shale, gray to gray-black, green and maroon	Top Marmaton 4120
4134 - 4137	Limestone, gray to brown, sub-crystalline	
4137 - 4141	Shale, as above	
4141 - 4151	Limestone, gray to red, sub-crystalline; streaks gray green shale; chert, salmon to gray to amber and black, mottled, vitreous to sub-vitreous.	

(3) Formation log; A. G. Hill #1 Dodson

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4151 - 4154	Shale, as above	
4154 - 4168	Limestone and chert, as above	Porous on electric log
4168 - 4174	Shale, black, pyritic to black and maroon mottled	
4174 - 4195	Limestone, gray, sub-crystalline to finely sucrose, mottled, spotted vugular porosity (4176-80 & 4184-95) chert, amber to orange to salmon to gray, vitreous to sub-vitreous.	No show
4195 - 4222	Shale, varicolored	
4222 - 4233	Limestone, as above, some dolomitic, porous; much chert, as above	No show
4233 - 4247	Varicolored shale, as above	
4247 - 4260	Chert, white to tan to rust, semi-devitrified; chert, salmon to amber to citrine, vitreous, translucent to semi-translucent; some tan, porous devitrified chert with brown stain; shale, red, maroon, gray and gray-green, rotten.	Top Conglomerate 4247; good brown stain, no odor or free oil.
4260 - 4282	Mostly shale and chert, as above; streaks limestone, gray to tan, finely crystalline to dense, cherty	
4282 - 4300	Chert, white, opaque, vitreous to waxy, some tan, waxy; chert, white to tan to brown, devitrified; chert, red-brown to tan to salmon, semi-translucent.	Top Mississippi 4282
4300 - 4308	Shale, brown, gray-green and pale-green, liny.	Top Kinderhook 4300
4308 - 4322	Limestone, gray to tan, dense, cherty	
4322 - 4327	Shale, as above	
4327 - 4339	Chert, white, opaque to blue-white translucent, spicular; chert, white to tan, devitrified; streaks gray, sub-crystalline limestone	Top Viola 4327; no show
4339 - 4384	Limestone, gray to cream to tan, finely crystalline to dense; some gray, finely crystalline, sandy, glauconitic limestone, dolomitic; limestone, white to cream, finely sucrose to pink dense; chert, brown to white, opaque, sub-vitreous to vitreous	
4384 - 4392	Limestone, gray, finely sucrose, dolomitic; porous	No show
4392 - 4414	Sandy, dolomitic limestone, as above; some dolomite and dolomitic limestone, cream to gray, finely sucrose	
4414 - 4421	Shale, gray-green, sandy; trace shaly sand.	Top Simpson 4414
4421 - 4434	Sand, medium, sub-angular to sub-rounded, fairly well sorted, gray to tan, dolomitic	Good odor, very slight show free oil; GST

(4) Formation Log; A. G. Hill #1 Dodson

<u>Depth</u>	<u>Formation Description</u>	<u>Remarks</u>
4434 - 4436	Shale, gray to gray-green, sandy	
4436 - 4440	Sand, as above, coarser	Good odor, slight show free oil; DST
4440 - 4445	Dolomite gray to tan, finely sucrose, some very sandy	
4445 - 4452	Shale, bright green, sandy	
4452 - 4456	Sand, gray to tan, poorly sorted, coarse to sub-medium, sub-rounded; porous (4453-56)	Fair odor, slight show free oil; DST
4456 - 4470	Sand, as above, quite shale in spots; spotted porosity	Spotted show oil, as above.
4470 - 4473	Dolomite, dirty brown, sub-crystalline	
4473 - 4511	Mostly shale, as above, much red-brown shale; streaks sand and dolomite	
4511 - 4513	Dolomite, buff to cream, finely crystalline, rhombohedral	Top Arbuckle 4511
4513 - 4516	Dolomite, buff to cream, medium to finely crystalline, rhombohedral, some silicified, poor vugular porosity; chert, light gray, opaque oolitic to white, translucent, oolitic	No show
4516 - 4526	Dolomite, buff to cream, sub-crystalline; chert, as above; few thin streaks green shale	
4526 - 4530	Dolomite, porous, as above	No show
4530 - 4539	Dolomite, cream to tan, sub-crystalline to coarsely crystalline, rhombohedral; chert, and thin streaks shale, as above	
4539 - 4541	Dolomite, cream to tan, medium to coarsely crystalline, rhombohedral; fair to good vugular porosity	No show
4541 - 4554	Dolomite, tan, sub-crystalline to dense, less chert, as above	
4554 - 4558	Dolomite, coarsely crystalline, as above; fair vugular porosity	No show
4558 - 4560	Dolomite, tan to brown, finely crystalline to dense.	
<u>4560</u>	<u>Rotary total depth.</u>	

Drill Stem Test Data:

Lansing-Kansas City:

DST #1: 3832-50; open 1 hour - good blow which decreased to small blow in 15 min. and died before end of test. Recovered 150' gas cut and very slightly oil cut mud. 180' salt water with trace oil at top. Shut in pressure 1380# (20 min.)

(5) Formation log; A. G. Hill #1 Dodson:

(Drill stem test data cont'd.)

DST #2: 2958-68; open 30 minutes - slight trace blow
Recovered 240' mud - tried to reopen tool and it
failed to close after the packer was unseated.
Probably less than 10' mud recovered in actual test.
Shut in pressure 0#

Simpson:

DST #3: 4414-28; open 1½ hours - fair to good blow throughout
test. Gas to surface in 1 hour and 25 min.
Recovered 80' heavily oil and gas cut mud
120' muddy oil
175' clean oil
5' filtrate (analysed by Halliburton)
Shut in pressure 1410# (30 min.)
Initial flowing pressure 0#
Final flowing pressure 107#

DST #4: 4428-56; open 1½ hours - good blow throughout test.
Gas to surface in 1½ hours
Recovered 65' muddy oil
150' slightly muddy oil
Shut in pressure 1465# (30 min.)
Initial flowing pressure 30#
Final flowing pressure 90#

(Samples examined and log compiled by Wendell S. Johns and
Willis Jack Magathan.)

TIME LOG

A.C. Hill #1 Dodson
 SW SE NW; 21-26S-13W
 Pratt County, Kansas
 Elevation: 1938 derrick floor

Note: All measurements are from the top of the rotary bushing, which is 3' above the derrick floor.

1' time log starts at 3500'

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
3500 - 10	3-3-4-3-3-4-3-4-3-4	
20	3-3-4-3-3-3-3-2-3-3	
30	2-3-2-2-1-3-4-4-3-3	
40	3-3-3-3-3-2-3-3-3-4	
50	3-3-4-4-3-3-3-3-4-4	
60	3-3-3-3-4-5-3-3-4-5	
70	7-7-5-6-5-5-5-4-3-3	
80	2-1-2-2-2-2-2-3-3-5	
90	5-5-5-5-6-4-5-4-4-4	
3590 - 3600	4-8-5-4-4-4-7-5-5-6	
10	4-3-4-5-7-6-6-6-5-3	Top Heebner 3607
20	3-3-3-2-2-6-8-6-5-4	
30	6-5-4-4-5-6-5-5-4-3	
40	4-7-8-6-8-8-7-6-6-8	
50	9-8-7-5-6-6-6-5-5-6	
60	5-7-6-5-6-6-5-5-5-7	
70	6-6-7-7-6-7-8-7-9-7	
80	6-6-6-5-5-4-5-5-2-1	
90	2-3-2-2-2-2-2-2-4-2	
3690 - 3700	2-2-2-1-2-2-2-2-2-1	
10	1-2-2-2-5-4-2-2-2-2	
20	1-1-2-2-6-7-6-5-6-5	
30	7-6-6-4-5-6-6-5-5-6	
40	6-5-6-6-6-6-6-6-6-6	
50	7-7-7-7-8-4-5-5-5-5	Trip 3745
60	5-5-4-4-3-3-4-4-4-7	
70	5-3-4-3-3-3-4-4-3-4	
80	3-3-4-3-3-3-3-8-9-9	Top Brown Lansing 3777
90	9-9-6-6-6-5-7-5-4-5	
3790 - 3800	4-5-5-5-5-4-5-5-5-6	
10	8-7-5-5-4-4-5-5-5-6	Top Lansing 3806
20	7-7-7-7-7-5-7-6-6-7	
30	5-7-8-6-5-5-5-7-6-8	
40	6-8-8-5-5-5-5-6-5-6	
50	5-6-5-5-5-4-5-5-7-7	
60	10-11-13-11-11-9-5-6-2-2	
70	2-5-5-3-2-3-3-3-4-5	
80	7-7-9-7-9-10-9-9-8-8	
90	8-8-9-7-10-6-9-8-10-10	
3890 - 3900	12-11-11-11-9-10-9-11-13-11	
10	11-10-11-6-5-5-5-8-7-6	
20	7-6-6-4-4-4-3-6-5-11	Circ. 1 hr @ 3920
30	8-6-12-8-6-5-4-5-5-5	
40	6-6-5-5-9-9-10-9-8-8	
50	6-6-8-8-11-13-17-15-17-15	Trip @ 3949

(2) Time Log: A.G. Hill #1 Dodson

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
3950 - 60	16-10-9-10-7-7-8-10-8-9	
70	2-2-10-14-12-11-14-12-15-13	Circ. 1 1/2 hr @ 3968; D.S.T.
80	10-7-7-7-9-6-9-11-6-8	
90	12-12-11-12-10-8-8-12-7-8	
3990 - 4000	6-8-9-10-5-4-3-7-13-10	
10	12-12-13-9-4-3-1-1-1-4	
20	3-4-3-4-3-5-6-10-10-12	Circ. 1 1/2 hr @ 4020 Trip @ 4020
30	10-13-15-12-15-12-6-5-5-6	
40	7-8-9-12-9-6-6-5-7-7	
50	5-6-5-9-11-13-9-10-10-10	
60	10-9-9-9-10-11-10-11-10-9	
70	9-11-9-9-9-8-4-7-5-6	
80	8-9-8-7-8-8-8-7-7-9	
90	9-9-9-9-8-9-10-10-10-10	
4090 - 4100	9-10-8-9-9-10-10-10-8-8	
10	9-10-10-11-11-11-8-9-9-10	
20	8-7-8-8-9-10-12-13-13-14	Base Kansas City 4120 Top Harneton 4120
30	9-8-8-9-8-7-8-8-7-6	
40	6-7-6-5-8-10-11-9-9-10	
50	11-12-10-10-13-15-13-13-12-13	
60	14-11-8-10-12-13-13-12-12-10	
70	10-10-11-7-11-8-7-7-8-8	Trip @ 4154
80	10-9-6-6-6-5-6-4-4-3	
4190 - 4200	5-5-12-9-9-10-8-10-8-9	
10	7-8-7-6-6-8-10-10-10-12	
20	11-10-9-10-11-11-11-11-11-13	
30	10-8-9-10-10-10-12-9-9-8	
40	8-9-10-9-7-4-5-8-9-6	
50	10-12-13-11-10-10-10-6-8-10	
60	11-13-12-10-10-10-13-12-11-10	Top Conglomerate 4247
70	6-4-5-6-6-6-9-7-6-6	
80	9-10-7-12-8-10-8-9-10-11	Trip @ 4275
90	12-13-13-19-15-16-19-12-18-15	Top Mississippi 4282
4290 - 4300	18-16-9-6-9-8-5-5-4-3	Top Kinderhook 4300
10	4-5-5-5-5-6-6-6-7-7	
20	10-11-11-9-14-15-19-17-15-23	
30	30-27-24-25-26-25-19-7-8-10	
40	10-9-17-14-12-8-14-10-5-5	Top Viola 4327
50	5-4-6-8-6-5-6-8-9-18	
60	18-20-19-16-15-16-24-26-10-12	Trip @ 4348
70	17-12-18-14-14-13-14-18-12-18	
80	11-15-13-13-17-11-13-15-10-12	
90	19-13-12-13-14-19-30-20-19-16	
4390 - 4400	15-17-18-18-18-8-7-13-7-11	Trip @ 4385
10	13-14-13-14-16-19-20-21-17-20	
20	18-23-15-19-18-17-15-14-12-17	
30	17-17-17-16-10-11-15-10-12-7	Top Simpson 4414 Circ. 1 1/2 hr @ 4425 Circ. 1 1/2 hr @ 4428 D.S.T.; New bit @ 4428

(3) Time Log: A.G. Hill #1 Dodson

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
4430 - 40	8-6-6-5-3-5-3-4-5-5	
50	7-11-13-13-12-10-7-5-3-3	
60	3-4-4-5-7-5-9-6-10-5	Circ. 1 1/2 hr @ 4456
70	7-9-8-9-7-6-6-6-10-10	
80	9-9-10-9-9-10-8-8-7-10	
90	10-9-9-9-8-9-9-8-8-9	
4490 - 4500	9-9-9-9-8-9-7-7-9-10	
10	8-9-10-6-9-11-8-5-8-7	
20	6-6-9-9-8-7-9-9-13-12	Top ar buckle 4511 Circ. 1 1/2 hr @ 4520
30	10-15-12-13-13-13-9-9-10-10	
40	13-11-11-10-14-18-15-15-17-11	Trip @ 4539
50	10-10-9-6-16-13-13-10-9-7	Circ. 1 1/2 hr @ 4545
60	10-11-10-9-7-6-5-9-9-10	Circ. 1 1/2 hr @ 4560 R.T.D. 4560

Time Log condensed by Willis Jack Magathen