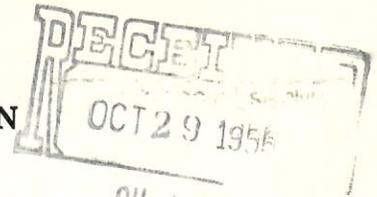


GENERAL PETROLEUM CORPORATION



00375213

HISTORY OF OIL OR GAS WELL



OPERATOR GENERAL PETROLEUM CORPORATION FIELD PICEANCE CREEK UNIT
 WELL NO. PICEANCE CREEK UNIT #17X-8 Sec. 8 T. 3S R. 95W 6th PM B&M
 Signed A. L. Hair
 DATE October 10, 1956 Title Division Superintendent

Date
1956

This well was drilled by the Slim Hole Drilling Company, contractor, using portable rotary drilling equipment.

All measurements in this report refer to the kelly bushing, 10.0' above the mat.

DRILLING A DEVELOPMENT WELL TO PRODUCE
FROM THE BASAL GREEN RIVER SANDS

DRILLING TO 300'

5/28
to
6/31

Portable rotary drilling equipment was moved in and rigged up.

An 8-3/4" hole was spudded at 9:00 P.M., May 31, 1956. 8-3/4" hole was drilled to 300' and opened to 15" from the surface to 267'.

CEMENTING 11-3/4" CASING AT 267'

6/3
to
6/5

11-3/4" O.D., new, 47#, J-55, 8-round thread, S.T.& C., seamless, A.P.I. Range 3 casing with a Halliburton float shoe on bottom was cemented at 267' with 175 sax of Ideal Type I portland cement, the first 125 sax being treated with 2% gel and the last 50 sax neat. (Mixing time 14 minutes, displacing time 10 minutes, used one top and one bottom plug which were not bumped. The cement was displaced with 28 barrels (157 cu.ft.) of mud. There were good cement returns at the surface, finished at 6:45 A.M. by Halliburton Cementers.)

The 11-3/4" casing was landed in a Shaffer base plate 12.66' below the kelly bushing. Blow-out prevention equipment was installed and the casing was satisfactorily pressure tested with 500 psi for 30 minutes with no loss in pressure. After standing cemented 42 hours, the top plug at 233', cement, and the shoe at 267' were drilled out. The hole was circulated clean to 300'.

DRILLING 300'/2575'

6/5
to
6/16

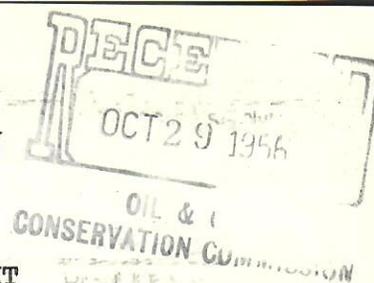
8-3/4" hole was drilled from 300' to 2525' and an electric log was run from 2525' to 267'. Minor lost circulation trouble was encountered at approximately 600', 750', and 1000'. Circulation was lost and a strong flow of fresh water encountered while drilling at 1259'. Circulation was regained with lost circulation material and the flow of fresh water killed by weighting the mud to approximately 11.1#/gal. (83.5#/cu.ft.).

8-3/4" hole was drilled from 2525' to 2575' and an electrical log was run from 2525' to 2575'. Minor lost circulation trouble was encountered while drilling at 2533'. Circulation was regained using Fibertex, hulls, and Gelflake.



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 DATE October 10, 1956 Title Division Superintendent

Date
1956 CEMENTING 7" CASING AT 2575'

6/16 to 6/17 7" O.D., new, 20#, J-55, 8-round thread, S.T.& C., seamless, A.P.I. Range 3, casing with a Baker float shoe and float collar on the bottom joint, and a centralizer 5.0' above the shoe, was cemented at 2575' with 200 sax of Ideal Type I portland cement, the 100 sax being treated with 2% gel and the last 100 sax neat. Two barrels (11.2 cu.ft.) of water was run ahead of the cement. (Mixing time 14 minutes, displacing time 31 minutes, displaced with 50 barrels (280.5 cu. ft.) of water and 55 barrels (308.6 cu.ft.) of mud, used 2 top plugs (1 wooden and 1 rubber) which were bumped, slurry weight 14-15#/gal. (104.7-112.2#/cu.ft.), maximum displacing pressure was 300 psi, final displacing pressure was 800 psi, 80% returns to surface, finished at 5:15 P.M., 6/17/56, by Halliburton Cementers.)

6/18 The 7" casing was landed in slips in the 11-3/4" Shaffer base plate, 11.66' below the kelly bushing.

6/19 Blow-out prevention equipment was installed, and after standing cemented 32 hours, the plugs were located at approximately 2532'. The plugs, float collar and cement were drilled out from 2532' to 2542'. The casing was satisfactorily tested with 900 psi for 30 minutes with no loss in pressure.

TESTING W.S.O. THROUGH 4 HOLES AT 2304' (O.K.)

6/19 A Johnston combination gun and casing tester was run on dry 3-1/2" drill pipe and 89' of 4-1/2" O.D. drill collars with a trip valve, a main valve with 3/4" bean, an equalizing valve, a 5-15/16" O.D. Lane-Wells hook-wall packer and 31' of tail including 10' of slotted perforations, a junk pusher, 2 B.H.P. bombs, a collar finder, a thermometer and a 4-shot gun perforator on bottom. A collar was located at 2301'. Four 1/2" holes were gun perforated at 2304' and the packer set at 2254' with the tail to 2285'. The trip disc was sheared at 7:33 A.M. for a 1-hour flow test. There was a weak blow diminishing to dead in 12 minutes and then dead for the remainder of the test (48 minutes). The packer was pulled loose at 8:33 A.M. The drill pipe was pulled and 89' (0.4 bbls.) of drilling fluid was recovered in the 4-1/2" O.D. drill collars (rat hole volume = 2 bbls.). The B.H.P. bomb charts showed the tester had operated satisfactorily throughout the test, the mud column pressure was 1050 psi, and that the initial and final flow pressure was 0 psi. The B.H.T. was 104° F. It was concluded that a satisfactory water shut-off exists through four 1/2" holes at 2304'.

TESTING 4 HOLES AT 2304' AND/OR 7" CASING SHOE AT 2575'

6/19 A Baker retrievable cement retainer was run on 3-1/2" drill pipe and set at 2285' with 5' of perforated tail extending to 2290'. The shot holes at 2304' and/or the shoe at 2575' were broken down with 3700 psi decreasing to 1800 psi at a rate of


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2 barrels/minute (11.2 cu.ft./minute). The retainer was then set at 2315' and the hole was broken down with 1800 psi decreasing to 1000 psi at a rate of 4 bbls./minute (22.4 cu.ft./minute). A 6-1/4" bit was run to 2575' with no cement being found in the 7" casing.

SQUEEZING SHOE OF 7" CASING AT 2575' AND 4 HOLES AT 2304'

6/20

A retrievable cement retainer was run on 3-1/2" drill pipe and set at 2285'. A total of 200 sax of cement was squeezed away through the retainer. The first 125 sax were squeezed away at a pressure of 1000 psi and the last 75 sax were squeezed away at 5 minute intervals at a maximum pressure of 700 psi. Cement was then displaced until all cement had been pumped through the shoe at 2575'. (Completed at 10:20 A.M. by Halliburton Cementers.)

RE-SQUEEZING SHOE OF 7" CASING AT 2575'

6/21

Cement stringers were cleaned out of the 7" casing to 2573'. A retrievable cement retainer was set at 2525' and the shoe was broken down with 800 psi at a 3 bbl./min. rate. 50 sax of Ideal type I portland cement was mixed, the circulating jars closed, and 30 sax was squeezed away at a maximum pressure of 2500 psi. 20 sax of cement was back scuttled out of the drill pipe. 2000 psi was held on the shoe for 6 hours. (Completed at 10:30 A.M. by Halliburton Cementers.) After standing cemented 6 hours with 2000 psi on the casing, the retainer was set at 2250' and the shot holes at 2304' and the shoe of the 7" casing at 2575' was satisfactorily pressure tested with 1500 psi for 30 minutes with no loss in pressure. Cement was drilled out from 2525' to 2575', the shoe drilled out at 2575' and 6-1/4" hole drilled from 2575' to 2576'. The mud in the hole was then displaced with water prior to coring.

CORING 6-1/8" HOLE 2576'/2651', TOTAL DEPTH

6/22
 to
 6/23

6-1/8" hole was cored from 2576' to 2651', total depth. An electrical log and a microlog were run from 2575' to 2651'.

DRILL STEM TEST OF INTERVAL 2575'/2651'

6/23

A Johnston formation tester was run on dry 3-1/2" drill pipe with a back-scuttle valve, a trip valve (120' of air cushion), 89' of 4-1/2" O.D. drill collars, a shut-in tool, a main valve with 5/8" bean, an equalizing valve, a Homco safety joint, a 5-15/16" O.D. Lane-Wells hook-wall packer, 20' of tail including 10' perforated, a junk pusher, 2 B.H.P. bombs and a thermometer on bottom. The packer

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00375216

HISTORY OF OIL OR GAS WELL

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1956

was set at 2556' with the tail to 2576'. The main valve was opened at 4:50 P.M. for a 30-minute initial shut-in test. The trip valve was sheared at 5:20 P.M. for a 2-hour flow test. There was a weak steady blow decreasing to nearly dead at the end of the test. Gas surfaced in 1 hour 27 minutes at too small a rate to measure (less than 99 Mcf/D). The shut-in tool was closed at 7:20 P.M. for a 30-minute final shut-in test. The packer was pulled loose at 7:50 P.M. The drill pipe was pulled and there was recovered a net rise of 1740' (11 bbls.) of drilling fluid grading to salt water (360 g.c.g.) 120' above the tool (rat hole volume = 4 bbls.). The B.H.P. bomb charts showed an initial shut-in pressure of 980 psi, an initial flow pressure of 75 psi, a final flow pressure of 725 psi, a final shut-in pressure of 795 psi, a fluid pressure of 1100 psi and that the tool had operated satisfactorily throughout the test. The B.H.T. was not determined due to a broken thermometer.

SWAB TEST OF INTERVAL 2575'/2651'

6/24
 to
 6/26

The hole was circulated clean to 2651'. A Lane-Wells hook-wall packer with 5' of perforated tail was run on 2-7/8" tubing. The packer was set at 2543' with the tail extending to 2548'. Swabbing was commenced at 10:00 A.M., June 25, 1956, with the fluid level at 550'. The fluid was swabbed to 2543' in 4 swab runs, and a few vapors of gas were observed at the tubing head. The hole was then continuously swabbed to 2543' for the next hour with approximately 1-2 bbls. of water being recovered on each run. The hole was then allowed to stand for 2 hours (1:15 P.M.) and the fluid level found at 985' (9 bbls. entry in 2 hours). The hole was again swabbed dry (to 2543') with salt water being recovered (120-310 g.c.g.). The hole was then alternately swabbed to 2543' and allowed to stand 1 hour, until 10:30 P.M. when the well began to flow gas and salt water. The flow rate was a steady 198 Mcf/day gas and approximately 1 bbl. of salt water per hour. After flowing the well for approximately 12 hours at the above gas and water rates the well was killed at 10:00 A.M., June 26, 1956, prior to plugging with cement.

PLUGGING 2608'/2651'

6/26
 to
 6/30

The 6-1/8" hole was circulated clean to 2651'. The 6-1/8" hole was plugged from 2608' to 2651' with 22 sax. Ideal type I portland cement treated with lime and calcium chloride and 2 sax of Calseal on top. Cementing by dump bailer finished at 12:30 P.M., June 29, 1956. The cement plug was located at 2608' approximately 3 hours after cementing. The hole was then circulated clean for a swab test of the interval 2575'/2608'.

GENERAL



00375217

CORPORATION

HISTORY OF OIL OR GAS WELL

OPERATOR GENERAL PETROLEUM CORPORATIONFIELD PICEANCE CREEK UNITWELL NO. PICEANCE CREEK UNIT #17X-8Sec. 8 T. 3S R. 95W 6th PM B&MSigned A. L. HairDATE October 10, 1956Title Division Superintendent

Date

1956SWAB TEST OF INTERVAL 2575'/2608'6/30
to
7/1

A Lane-Wells hook-wall packer with 5' of perforated tail was run on 2-7/8" tubing. The packer was set at 2543' with the tail extending to 2548'. The hole was full before swabbing. Swabbing was commenced at 9:20 A.M., June 30, 1956, and the fluid was swabbed to the packer at 2543' by 10:17 A.M. The hole was swabbed dry at 1 hour intervals with an entry rate of approximately 1 bbl./hour salt water being observed with a trace of gas at the well head. The well began to flow gas at 10:30 A.M., July 1, 1956, at too small a rate to measure (less than 99 Mcf/D). The well continued to flow gas at too small a rate to measure until 8:00 P.M., July 1, 1956, when the well was killed prior to plugging and suspending.

PLUGGING 2544'/2608'7/2
to
7/3

12 sax of Ideal type I portland cement treated with 2% gel, 2% gelflake, 2% calcium chloride and 1% lime water, was displaced through 3-1/2" open-ended drill pipe hanging at 2607' with 17.2 bbls. (96 cu.ft.) of water. (Mixing time 2 minutes, displacing time 8 minutes, finished at 12:30 P.M. by Halliburton Cementers.) The cement plug was located at 2544' at 3:50 P.M., July 2, 1956. Well head equipment was installed and the well was suspended on July 2, 1956. The rig was released at 4:00 A.M., July 3, 1956.

9/3

A 10' bridge of cement was placed in the 7" casing at the surface. A regulation marker was erected, and the well was abandoned September 3, 1956.

CONDITION OF WELL AS ABANDONEDCASING RECORD:

11-3/4" casing cemented at 267' with 175 sax.
7" casing cemented at 2575' with 200 sax,
squeezed with 230 sax.

TOTAL DEPTH: 2651'PLUGS: 2544'/2651'
10'/SurfaceJUNK: NoneHOLE SIZE SUMMARY:

15" Surface to 267'
8-3/4" 267' to 2576'
6-1/4" 2576' to 2651'

STATUS: Abandoned September 3, 1956

K. D. JUNG

COMPANY GENERAL PETROLEUM (

DOUGLAS CREEK UNIT

WELL NO. 17X-8

ELEVATION 6743' K.B. LOCATION

along W. line and 460' E'ly at right angles from SW corner of Section 8-3S-95W, 6th P.M.

SPUDED May 31, 1956

~~COMPLETED~~ ABANDONED September 3, 1956

TOP	BOTTOM	REC'Y	FORMATION
			<u>Note:</u> Electric log is being submitted in lieu of drillers log or sample description. Sample description will be available at a later date upon request.
			<u>CORE #1 2576'/2602' Rec. 20'</u>
2576	2579	3'	Shale, dark gray to black, predominantly black, becoming dark brown in lower 1', fairly hard and tough, massive, numerous megafossils throughout, no apparent dips, conchoidal fractures, biscuity partings upon removal from core barrel.
			<u>TOP DOUGLAS CREEK - 2579'</u>
2579	2580	1'	Sandstone, light gray to brown, predominantly brown cast, very fine to fine, silty, hard, rounded and sub-rounded, poorly sorted, numerous thin siltstone laminations throughout, apparent poor porosity and permeability, fair 0° apparent dips on siltstone laminations, scattered irregular stains black tarry oil upper and lower 3", no odor.
2580	2584	4'	Interbedded shale and siltstone with 6" brown sandstone stringer as above, at 2582', shale is dark gray to black, as above, siltstone is medium gray, hard, very fine, sandy, throughout, good 0° apparent dips on shale laminations.
2584	2592	8'	Interbedded brown and gray sand, as above, and black shale, as above, with locally abundant limestone and gray siltstone.
2592	2596	4'	Interbedded black shale, as above, and siltstone, gray as above, with one 6" brown sandstone stringer at 2595' with abundant megafossils and a 6" black shale section at 2596'.
2596	2602		<u>Missed.</u>
			<u>CORE #2 2602'/2651' Rec. 49'</u>
2602	2622	20'	Shale, dark gray to black, numerous paper-thin laminations of gray, silty matrix in middle 2', massive in lower 2', several vertical calcite filled fractures at 2610', locally abundant megafossils at 2613', lower portion grades to a dark black, massive shale, as above, good 0° apparent dips on siltstone laminations.
2622	2646	24'	Sandstone, brown to buff, grading to brown-gray in lower 6', upper 6' very tight, well cemented and fossiliferous, scattered medium gray to black shale and siltstone stringers throughout, very fine to fine, silty, rounded, apparent poor porosity and permeability, numerous megafossils in the more brown portions, faint gasoline odor in more sandy portions, rare local stains black tarry oil.
2646	2651	5'	Interbedded siltstone, shale, and sandstone, as above.
			TOTAL DEPTH: 2651'