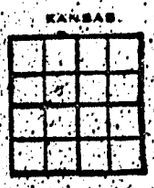
15-32S-33W
C SE NW

KANSAS GEOLOGICAL SOCIETY
508 East Murdock
Wichita, Kansas
JUL 24 1971

Yucca Petroleum Company
Hattie Jones #1-15
Lemert Field
150' South C SE NW
Section 15 32S-33W
Seward County, Kansas

Stickle Drilling Company
July 6, 1971, 2:30 PM
July 19, 1971
15-32-33W
C SE NW
7-7/8"
Set 8-5/8" Surface Casing at 1623' 550 sx Cem.
Rotary Total Depth 6070'
Welex Total Depth 6073'
DRY AND ABANDONED
2500' - Total Depth
2500' - Total Depth



2821 KB

GEOLOGICAL DAT

SAMPLES EXAMINED AND DESCRIBED

DRILLING TIME PLOTTED:

FORMATION TOPS

Formation	Depth	Sub-Sea
HEEBNER	4138	-1317
TORONTO	4155	-1334
LANSING-KANSAS CITY	4268	-1447
HODGES	4738	-1917
BASE KANSAS CITY	4900	-2079
MARMATON	4914	-2093
CHEROKEE	5108	-2287
MORROW SHALE	5470	-2649
CHESTER	5638	-2817
STE. GENEVIEVE	5823	-3002
ST. LOUIS	5952	-3131

DRILL STEM TESTS

Drill Stem Test #1
(4685 - 4765)
Hodges

Open 30" Very weak blow, died in 5 minutes. Open 30" no blow.
Recovered 30' Drilling Mud.
IH 2255 FH 2236 IF 29-37
ISIP 1317 (60) FSIP 1270 (60)
Bottom Chart: IH 2249 FH 2230
FSIP 1270 (60)

Drill Stem Text #2
(4885-4945)
Marmaton Pay Zone

Open 45" Weak blow, Open 45" no blow. Recovered 110' Sli Gas Cut Drilling Mud. IH 2368 FH 2349
ISIP 1523 (60) FP 9-37 37-83
FSIP 1504 (60) Bottom Chart:
IH 2347 FH 2327 ISIP 1593 (60)
FP 37-83 83-120 1521 (60)

OVER

Drill Stem Test #3
(5449-5520)
Morrow

Open 30" Very weak blow, died 16 minutes. Open 30" No blow.
Recovered 15' Drilling Mud
IH 2726 FH 2622 ISIP 86 (60)
FP 51-51 51-51 FSIP 59 (60)
Bottom Chart: IH 2606 FH 2589
ISIP 52 (60) FP 17-17 17-17 FSIP 35 (60)

St. Louis

15-32-33W

The St. Louis Porosity Zone was encountered 24' low to the Yucca Petroleum Printz 1-15. However, the zone did not develop as anticipated. The large oolites were present in the top, but set in a tight siliceous matrix. No shows were encountered, and the Electric Logs showed the formation to have little merit.

CHESTER

Structurally, the Chester was 24' low to the Printz 1-15. An abrupt change was encountered in the Lower Chester interval with a interlaminated shale and siltstone facies exhibiting excellent oil shows and having dark blue fluorescence. It is my opinion that this is a very significate test, and there is a Chester Sand oil field downdip very close to this well. A calcareous sandstone channel facies would be expected to develop. Significant shows in the Chester Basal Zone merit further development due to excellent production potential exhibited in nearby wells in Seward County. This zone was not drill stem tested due to the incompetent nature of the formation and lack of zone.

MORROW

The Upper Morrow was developed as a laminated siltstone and shale facies about 20' low to the Printz 1-15 structurally. The siltstone bled oil and gas, had a blue fluorescence, and a good cut. This zone was drill stem tested which showed the zone to be impermeable and shaley. This was a remnant of a zone. This zone is very erratically deposited and lucrative when productive.

MARMATON

The offset productive Marmaton zone was developed with 12' of porous oolicastic limestone exhibiting excellent fluorescence and cut. A drill stem test of the xone showed the zone to be impermeable. It was felt that if the zone had given up a show of oil further testing or evaluation would have been pursued. The drill stem test chart had the characteristics of a high pressure-low permeable zone.

The Novinger zone exhibited no shows in samples and was chalky. The zone calculated rather interesting but was disregarded due to lack of shows in samples.

LANSING-KANSAS CITY

The Hodges zone was drill stem tested after evaluating the shows in samples. The zone was impermeable. The offset well had tested oil from this correlative interval.

SUMMARY

After evaluating all of the zones, in my opinion, no further testing should be attempted. Then, I recommended that the well be plugged and abandoned.

However, the well appears to be a possible key well to a Chester sand development that could be quite profitable. Since this is a multiple pay area, I would recommend an additional test in the immediate area.