

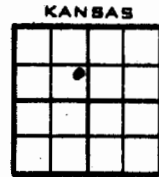
KANSAS WELL LOG BUREAU --- KANSAS GEOLOGICAL SOCIETY
508 EAST MURDOCK - WICHITA, KANSAS

COMPANY **CITIES SERVICE OIL COMPANY**
FARM **Lathrop** NO. **32**

SEC. 17 T. 23 R. 4E
LOC. NE SE NW
990'N, 330'W of center

TOTAL DEPTH **2507 C.O. 2473**
COMM. **5-19-50** COMP. **5-30-50**
SHOT OR TREATED
CONTRACTOR **B & R Drlg Inc. ; Drill In: C.L.Roberts**
ISSUED **6-9-51**

COUNTY **Butler**

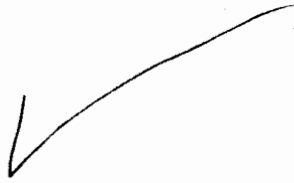


1373 (2nd)

ELEVATION **1375 R.T.B.**

PRODUCTION I.P. **144 BO, 0 wtr**
in **22½ hrs.**

CASING
10 3/4" 76' cem w/150 sx
7" 2506' cem w/150 sx



ALL MEASUREMENTS TAKEN FROM L & S DATUM.

FIGURES INDICATE BOTTOM OF FORMATIONS

soil	12	V.S.S.O.	1829-49
sand	30	F.S.O.	2005-12
lime	35	S.S.O.	2027-42
shale	45	F.S.O.	2042-60
lime	390	F.S.O.	2061-79
lime & shale	1025	F.S.O.	2336-38
lime, shale, sand	1165	G.S.O.	2338-53
lime	1270	F.S.O.	2353-58
lime & shale	1560	G.S.O.	2359-90
shale & sand	1600	N.S.O.	2390
lime & shale	1724	G.S.O.	2413-26
lime	2012	G.S.O.	2426-38
lime & shale	2040	S.S.O.	2438-44
lime	2167	F.S.O.	2444-49
lime & shale	2358	S.S.O.	2449-66
lime, chert, shale	2382	N.S.O.	2466-96
lime cherty	2389	N.S.O.	2496-99
shale	2412	N. S. O.	2499-2507
lime, shale	2439		
lime & sand	2468		
sand & shale	2485		
lime	RTD 2507		

Shows:
Best Hunton Pay 2336-90
First Free Oil 2336
Best pay 2413-38
First Free Oil 2413
Best Simpson Pay 2444-49

Total Depth
Drld. cement Plug & C.O. to 2473

Bailed mud & cleaned out to 2473.

Tops:

Lansing Ls.	1742
Base Lansing Ls	1859
Kansas City Ls	1951
Base Kansas City	2118
Hunton Ls.	2336
Base Hunton Ls.	2390
Maquoketa shale	2390
Base Maquoketa	2413
Viola Dolomite	2413
Base Viola pol.	2438
Simpson Sand	2438
Base Simpson Sand	2496
Arbuckle Dolomite	2496

Ran gamma ray log to 2473'
Shot 3 test shots 2408'
G.P. 50 shots 2415-2427½'
Fill Up: 2418' oil, 0 wtr
in 1 3/4 hrs.
2426' oil, 0 wtr
in 6 hrs.

Straight Hole Survey:

500' O.K.
1006' O.K.
1490' O.K.

Steel Line Measurement:

537-538 2257=2257
1006-1006 2343=2343
1537=1539 2402=2403
1726=1724 2439=2442
1911=1914 2499=2501