

COMPANY JAY BEE OIL

SEC. 24 T. 8 R. 7E

FARM Phillips NO. 1

LOC. SE SE NW

TOTAL DEPTH 1670'

COUNTY Pottawatomie

COMM. 10-18-68

COMP. 10-26-68

KANSAS

SHOT OR TREATED

CONTRACTOR White & Ellis

ISSUED MAY 3 1969

CASING

20	10		
15	8 5/8" 301'	cem w/ 200	sx
12	6		
13	5		

ELEVATION 1361 DF

PRODUCTION DRY

GEOLOGICAL REPORT

Jay-Bee Oil Co., Inc.
 No. 1 Phillips
 Wildcat
 SE SE NW Section 24-8S-7E
 Pottawatomie County, Kansas

Elevation: 1364 Kelly Bushing
 1361 Derrick Floor
 1359 Ground Level (Laughlin-Simmons)
 Contractor: White & Ellis Drilling, Inc.
 Spud: 10-18-68; 8 5/8" csg. @ 301 with 200 sacks
 Completed (Rotary Hole): 10-26-68; Dry & Abandoned

Depth Reference Datum: Top of Kelly Bushing
 Samples Saved: 510 Feet to 2400 Feet, T.D.
 Samples Examined: Same

Drilling Time Recorded:
 5-Foot Time 500 Feet to 950 Feet
 1-Foot Time 950 Feet to 2400 Feet, T.D.
 Drilling Observed: 930 Feet to 2400 Feet,
 T.D.

FORMATION TOPS, NOTABLE ZONES & TESTING DATA

Depth below
 Surface

Depth below
 Sea Level

Shale, dark gray very micaceous sandy with black partings; interbedded sand, gray fine micaceous with black carbonaceous inclusions - friable with possible fair porosity	560-70
Ditto, with sand partly shaley	580-85
Shale, gray micaceous and some red; interbedded sand, gray fine to medium-fine very micaceous glauconitic - friable to calcareous tight, grading to gray sandy lime	620-27
Shale, gray micaceous silty and some green greasy; streaks sand, gray-light gray fine micaceous friable to shaley	810-30
Shale, gray micaceous silty to sandy with black partings; few streaks sand, gray fine micaceous shaley predominantly tight	830-45
HOWARD LIME	865

Dolomite, buff finely sucrosic - scattered poor to fair fine vugular and pin hole porosity; trace chert, gray-tan

950-65

+499



OVER

24-8-7E

DEER CREEK LIME	974	+390
LECOMPTON LIME	1044	+320
CREAD LIME	1109	+255
HEBBNER SHALE	1146	+218
TORONTO LIME	1166	+198
BASE TORONTO - TOP DOUGLAS GROUP	1176	+188
DOUGLAS SAND	1221	+140

Sand, gray-light gray medium-fine slightly glauconitic and micaceous - considerable friable with fair porosity, part very calcareous tight grading to sandy lime

1221-46

24-8-7E

Dec. 24-1885-

R. 7E

Lime, white-light buff finely crystalline to sucrosic partly oolitic and very chalky and brittle - scattered poor oolitic to sub-oolitic porosity; chert, light gray-buff fossiliferous sub-oolitic

1283-1300

Lime, light gray to light buff oolitic - fair to good porosity

1329-33

KANSAS CITY LIME

1356

+8

Lime, buff to white fine to medium crystalline to sucrosic calcitic brittle with some coarse oolites and traces free oolites - no apparent porosity

1422-26

Lime, as above - scattered fair to good oolitic to vugular porosity

1426-29

Lime, buff to white finely crystalline partly calcitic brittle - one trace of fair oolitic porosity

1469-75

STARK SHALE (Black Carbonaceous)

1487

-123

HUSHPUCKNEY SHALE (Black Carbonaceous)

1522

-158

Lime, buff to white fine to medium crystalline - fair to good oolitic and vugular porosity

1524-30

Lime, buff, tan and gray finely crystalline oolitic nodular brittle, some with greenish cast - slight traces poor vuggy porosity

1532-38

BASE KANSAS CITY LIME

1552

-188

CHEROKEE SHALE

1606

-242

Shale, very dark gray to black and some dark greenish-gray finely micaceous silty and some ochre, green and maroon

1606-16

PENNSYLVANIAN BASAL CONGLOMERATE

1616

-252

Shale, hematite red soluble, vari-colored with included medium to coarse rounded sand grains; chert, jasper, orange and considerable white and some amber predominantly opaque with mineral coloration in part - few traces solution vug porosity; coarse round hematite concretions

1616-30

Ditto, with considerable chert, white opaque blocky to devitrified and tripolitic - traces solution hole porosity, no show or fluorescence

1630-35

Chert, white-light gray opaque to translucent quartzitic sandy - good honeycomb and sand cast porosity, no show or fluorescence

1635-38

PENNSYLVANIAN BASAL CONGLOMERATE SAND

1638

-274

Sand, clear coarse to very coarse rounded to sub-rounded very friable and porous aggregates and free grains, no show or fluorescence

1638-44

HUNTON

1644

-28

Dolomite, white finely crystalline tight

1644-46

Dolomite, buff-cream, white and yellowish-white medium-coarse crystalline slightly sandy - scattered fair vugular porosity, no show or fluorescence; trace chert, light gray-white spicular

1646-50

Dolomite, gray to white and traces yellow and orange coarsely crystalline tight with a few traces fair vugular porosity; streak dolomite, white medium crystalline very sandy at the top; trace chert, white opaque

1650-70

Dolomite, buff medium crystalline tight

1670-78

3- 24-8-7E 3
 Dec. 24-85-7E

Dolomite, buff and some white medium to coarsely crystalline dense tight - slight traces vugular porosity; some dolomite, white very finely crystalline dense blocky 1678-90

Dolomite, as above - some fair vugular porosity 1690-95

Dolomite, white coarsely crystalline dense 1695-99

Dolomite, white medium-fine crystalline sucrosic slightly sandy - few traces fair fine vugular porosity and inter-crystalline porosity; chert, white quartzitic slightly sandy - some fair vugular porosity 1699-1705

Dolomite, white medium to coarse crystalline dense vitreous; chert as above 1705-11

Dolomite, white medium-fine crystalline sucrosic - traces poor vugular porosity; chert, white quartzitic - traces fair vugular porosity 1711-18

Dolomite, white medium to coarse crystalline dense; chert, white quartzitic to opaque 1718-24

Dolomite, white medium-fine crystalline slightly sandy sucrosic - traces poor vugular porosity; chert, as above - traces fair to good vugular porosity 1724-28

Dolomite, buff medium-fine crystalline dense; chert, white to buff opaque 1728-50

Dolomite, buff and some light gray medium crystalline predominantly dense - traces fair vugular porosity; trace chert, white opaque 1750-54

Ditto, tight 1754-62

Dolomite, buff medium crystalline mostly dense - scattered fair to good vugular porosity; chert, white to buff opaque 1762-99

Dolomite, buff and cream to white medium to medium-fine crystalline - scattered fair vugular porosity; some chert, buff to white 1799-1815

Dolomite, white to buff medium to coarse crystalline - abundant fair to good vugular porosity; trace chert as above 1815-41

Dolomite, white coarsely crystalline dense platy - scattered fair vugular porosity; trace chert, white opaque 1841-53

Dolomite, white coarse to medium crystalline - scattered fair vugular porosity; trace chert as above 1853-70

Dolomite, white medium crystalline - scattered fair vugular porosity 1870-79

Dolomite, white medium to coarse crystalline - considerable fair to good vugular porosity; trace chert, white opaque 1879-92

Dolomite, white medium crystalline - good vugular porosity; trace chert, buff to white opaque 1892-98

Dolomite, white medium crystalline - some dense, considerable good vugular porosity; chert as above 1898-1924

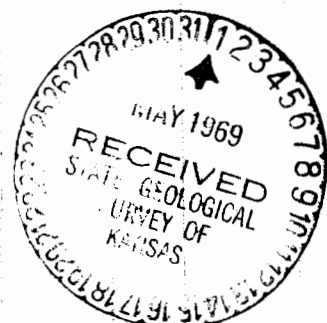
Dolomite, white-light gray medium to med-fine crystalline sucrosic - some fair to good vugular porosity 1924-27

Dolomite, white to cream medium crystalline dense in part - considerable fair to good vugular porosity 1927-45

Dolomite, white and traces greenish-white medium coarse crystalline - scattered fair to good vugular porosity; trace chert, white opaque 1945-68

Dolomite, white, greenish-white and gray medium to coarse crystalline - fair to good vugular porosity; trace chert, white opaque 1963-77

Dolomite, white to greenish-white medium crystalline predominantly tight - some poor to fair vugular porosity; trace chert as above 1977-99



Dolomite, white to greenish-white and some orange to buff medium to coarse crystalline, brittle in part - good vugular porosity; trace white chert	1999-2005	
Dolomite, white to greenish-white medium to coarse crystalline - fair to good vugular porosity	2005-12	
Dolomite, white, greenish-white and buff medium to coarse crystalline - good vugular porosity; trace chert, white opaque	2012-21	
Dolomite, buff to white and greenish-white medium crystalline - very good vugular porosity; trace white chert	2021-26	
Dolomite, white to greenish-white medium crystalline predominantly tight and dolomite as above; some chert, white smooth to tripolitic	2026-30	
Dolomite, buff to white medium crystalline, traces coarsely oolitic - very good vugular porosity; chert as above	2030-38	
Dolomite, white to buff medium to med-coarse crystalline oolitic - good vugular porosity; some chert as above	2038-52	
Dolomite, greenish-gray medium crystalline glauconitic - traces fair vugular porosity	2052-54	
MAQUOKETA	2054	-690
Dolomite, drab gray to green micro-granular speckled glauconitic shaley; chert, gray opaque speckled graptolitic partly non-vitreous; some shale, light green micro-granular hard and some gray marly chalky	2054-62	
Shale, light green micro-granular dolomitic and some dolomite and chert as above	2062-84	
Shale, very dark gray to black, maroon, pale green and ochre non-fissile partly splintery; some shale, dull to pale green and gray soft crumbly partly dolomitic	2084-2119	
Shale as above and shaley dolomite and dolomitic shale, dull gray-green micro-granular hard	2119-45	
VIOLA	2145	-761
Dolomite, tan, brown and gray medium to med-coarse crystalline - good vugular porosity in part - no show or fluorescence; chert, gray to brown opaque spicular and some light gray to white partly tripolitic	2145-57	
Dolomite, buff to gray and light gray coarsely crystalline rhombic - abundant good vugular porosity; some dolomite, tan to dark brown medium to fine crystalline carbonaceous dense; chert as above	2157-65	
Dolomite, buff to brown medium to med-coarse crystalline rhombic to dense; chert, as above and traces of buff leached with good porosity	2165-71	
Dolomite, buff to brown medium to med-coarse crystalline predominantly dense - scattered traces of fair to good vugular porosity; chert, tan, brown, gray and light gray opaque	2171-81	
Ditto, and some cream to buff coarsely crystalline partly dolomitic-lime; chert, tan to gray opaque and some white partly devitrified	2181-87	
Lime, cream to buff finely crystalline sub-chalky with some included dolomite rhombs and some medium-coarse crystalline partly dolomitic; streaks dolomite, brown medium crystalline granular; chert, as above	2187-2202	
Lime, cream to buff to brown finely crystalline to medium granular partly dolomitic; lime, cream to buff finely crystalline platy sub-dense to sub-chalky; chert, white partly devitrified	2202-15	
Lime, light gray to gray to buff and brown coarsely crystalline with black mottling, traces crinoids, fossiliferous and dolomitic in part; trace chert as above	2215-25	
Lime, cream to buff finely crystalline non-fossiliferous sub-chalky to coarsely crystalline crinoidal fossiliferous; trace chert, white opaque	2225-34	



Lime, gray to tan and traces finely crystalline dense platy with some black mottling and some light gray sub-chalky; traces chert, white partly devitrified; traces shale, ochre calcareous

2234-48

-5-24-857E
Sec 24-85-7E
J-B oil Co
#1 Phillips

Lime, cream to buff fine to sub-crystalline soft to platy slightly granular and dolomitic, possibly very finely sandy; traces dolomite, buff to brown medium crystalline dense to granular possibly very finely sandy in part; traces dark brown carbonaceous partings; traces chert, buff and white; trace shale, dark gray-green finely sandy at top of zone

2248-66

Lime, brown to buff finely crystalline dense platy to medium granular dolomitic; traces dolomite, brown medium crystalline tight; some shale partings, brown carbonaceous resinous

2266-76

Lime, greenish-gray to brown finely crystalline to surosic dense with black phosphatic inclusions and brown carbonaceous resinous shale partings; dolomite, brown medium to fine crystalline dense; shale, dark green - dark gray interbanded, light green, dark red and trace light green finely sandy; trace sand, green fine shaley

2276-80

SIMPSON SHALE

2280

-916

Shale, olive green waxy, abundant red partly waxy, some pale green and dark gray; traces sand, white med-grained sub-angular in a white dolomitic matrix, tight

2280-94

SIMPSON SAND

2294

-930

Sand, gray, buff and white coarse to medium-grained rounded to sub-rounded poorly sorted calcareous with brown flaky gilsonitic residue - abundant loosely cemented and friable, part tight and grading to sandy lime, abundant free grains, no show or fluorescence

2294-2303

Sand, as above but more calcareous and grading to light gray and buff finely crystalline sandy lime - no show or fluorescence

2303-07

Sand, white to buff coarse-grained rounded with predominantly free grains and friable partly calcareous clusters with flaky gilsonitic residue - no show or fluorescence

2307-16

Lime, tan to gray finely crystalline dense, traces with included coarse rounded sand grains, traces slightly dolomitic

2316-47

Sand, broken white and traces green fine to very fine-grained slightly micaceous and glauconitic - fairly friable to tight with possible poor porosity, no show or fluorescence; shale, light green silty micaceous and dark gray and red

2347-55

Shale, olive green, dark gray and red; traces sand as above

2355-59

Sand, broken white and light green fine-grained glauconitic - fairly friable to tight, no show; shale, hematite red soluble and light green silty

2359-64

Shale, hematite red soluble with included red-stained to clear coarse sand grains and dark red to black hard hematite concretions; shale, black, red-light gray, green; olive green, waxy; traces sand, dark green med-grained phosphatic shaley and jasper and amber chert

2364-76

Sand, broken white to green fine-grained partly friable and white white coarse to medium-grained rounded to sub-angular clusters; some free sand grains, clear coarse to very coarse rounded to sub-angular, no show

2376-82

PRE-CAMBRIAN GRANITE

2382

-1018

Granite, pink coarsely crystalline with biotite mica; associated white chalky ? siliceous mineral with biotite mica

2382-2400

ROTARY TOTAL DEPTH

2400

-1036



Jay-Bee Oil Co
#1 Phillips

- 6 -
Dec. 24-85-7E
24-8-7E

WELEX INDUCTION ELECTRIC LOG TOPS

Elevation 1364 KB	Stark Shale	1486 (-122)
Elmont 670 (+694)	Hushpuckney Shale	1522 (-158)
Reading 684 (+680)	Base Kansas City	1551 (-187)
Howard 864 (+500)	Cherokee Shale	1605 (-241)
Topeka 913 (+451)	Pennsylvanian Basal Conglomerate	1616 (-252)
Deer Creek 974 (+390)	Penn. Basal Cong. Sand	1637 (-273)
Lecompton 1042 (+322)	Hunton	1644 (-280)
Oread 1109 (+255)	Maquoketa	2054 (-690)
Heebner 1144 (+220)	Viola	2145 (-781)
Toronto 1163 (+201)	Simpson Shale	2280 (-916)
Douglas Group 1174 (+190)	Simpson Sand	2294 (-930)
Douglas Sand 1219 (+145)	Pre-Cambrian Granite	2382 (-1018)
Lansing 1243 (+121)	Welex Total Depth	2401 (-1037)
? Kansas City 1354 (+10)		

KANSAS GEOLOGICAL SOCIETY
 508 East Woodcock
 Wichita, Kansas
 CASING RECORD
 FEB 15 1969

24-8-7E
 24-8-7E

8 5/8

301' Cemented
 w/200 sacks

Location: SE SE NW
 Section: 24-8S-7E
 Pottawatomie County, Kansas
 Farm: Phillips #1
 Well Owner: JAY-BEE OIL CO., INC.
 Contractor: WHITE & ELLIS DRILLING
 Commenced: 10-18-68
 Completed: 10-27-68

T. D.

2400'

Real Dry

KELLY BUSHING MEASUREMENT 5' ABOVE GROUND LEVEL.

<u>FORMATION</u>	<u>DEPTH</u>
Cellar	0-7
Lime	20
Shale & Lime	40
Clay & Lime	97
Lime & Shale	381
Shale	625
Lime & Shale	1175
Shale	1245
Lime	2055
Shale & Lime	2125
Shale	2145
Lime	2276
Sand	2395
Granite Wash	2400

Dry Hole, Plugged & Abandoned

TOPS

Hunton	1645
Viola	2145
Simpson	2276

