

Location. Sec SW NW
330' location.

Plotted T. 15 S. 20 E. R. 10W.

22-16-10W
July 9-1932

Casing Record.

County. Ellsworth.

10"

Farm. Jno H. Stoltenberg

No. 1

20" 8 1/4" 3347

Company. The Derby Oil Co. & Aladdin Petro.

15 1/8" 65/8"

Contr. McPherson Drilling Co.

12 1/2" 227 53/16"

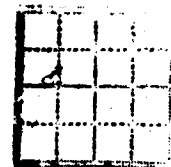
Comm. 10-20-31

Comp. 11-14-31

Total Depth. 3365

Shot Quarts Between.

Correspondence Regarding This Well Should Be Referred to.



Elevation. 1876

Figures Indicate Bottom of Formations.

Date Issued. 1-9-32

Initial Production. Swabbing
test 80 bbls in 1 hr 1500'

Formation	Depth	Formation	Depth	Formation	from top	Depth
surface (DRILLERS LOG)	6	broken lime	2385	lime		1780
clay	75	red rock	2395	shale		1785
sdv shale	215	broken lime	2423	lime		1810
red rock	300	shale	2430	shale		1825
broken lime	345	lime	2450	lime		1835
shale	408	shale	2473	shale		1840
sdv lime	420	broken lime	2515	shale and lime		1850
shale	447	shale	2535	red rock		1865
lime	461	broken lime	2560	lime		1910
shale	531	lime	2570	shale		1925
red rock	640	shale	2590	lime		1985
broken lime	670	lime	2605	red rock		2000
red rock	700	broken lime	2630	lime		2020
broken lime	760	shale	2690	shale		2090
red rock	850	lime	2710	shale and lime		2150
broken lime	900	shale	2730	lime		2160
shale	1100	broken lime	2740	shale		2170
red rock	1140	lime	2933	lime		2185
shale	1200	red rock	2945	red rock shale and lime		2200
red rock	1220	broken lime	2998	shale		2240
shale and salt	1370	lime	3002	shale and lime		2280
sdv lime	1405	shale	3006	shale		2290
shale	1430	lime	3116	shale and lime		2300
lime	1440	broken lime	3130	shale		2320
salt	1455	lime	3155	no samples		2350
lime	1470	sdv lime	3160	shale		2380
shale	1500	lime	3265	lime		2410
broken lime	1560	broken lime & shale	3278	red rock		2430
shale	1585	lime	3284	shale		2440
broken lime	1590	shale	3287	lime		2485
lime	1600	lime	3320	shale		2490
shale	1640	3320- 3324 S.L.M.		red rock		2500
lime	1675	conglomerate	3332	shale		2530
red rock	1695	Variegated shale	3338	lime		2570
lime	1705	shale green	3348	shale and lime		2580
red rock	1721	sdv shale green	3348 1/2	red rock		2600
lime	1737	Saturated		lime		2630
shale	1750	sdv green shale	3349	shale		2665
red rock	1765	3349- 3347 S.L.M.		lime		2710
broken lime	1800	Dolomite	3359	shale and lime		2720
red rock	1815	shale green & dolomite		lime		2810
lime	1855		3360 1/2	shale		2815
shale	1870	dolomite soft	3362	shale red		2820
red rock	1880	Standardized.		lime		2840
shale	1910	dolomite hard	3365	shale		2850
lime	1932	No Increase T.D.		shale and lime		2860
red rock	1945	SAMPLE LOG		lime		2905
broken lime	1985	no samples	1070	lime and shale		2920
lime	2000	shale	1130	shale		2925
red rock	2025	salt	1310	lime		2945
broken lime	2065	shale	1330	red rock		2955
red rock	2075	lime	1340	lime		2960
broken lime	2105	shale	1360	shale		3002
shale	2130	lime	1390	lime		3018
broken lime	2145	shale	1410	shale		3028
shale	2155	lime	1415	lime		3105
lime	2175	shale	1430	shale		3116
red rock	2200	lime	1470	lime		3165
broken lime	2270	shale	1500	shale		3170
red rock	2290	red rock	1505	lime		3260
shale	2340	lime and shale	1510	shale		3278
red rock	2350	shale	1600	lime	OVER	3284
shale	2370	red rock	1620			

Formation	Depth.	
shale	3287	3355-57 - 6' Recovery Porus brown dolomite heavily saturated.
lime	3305	3357-59 3" recovery soft brown porus dolomite heavily saturated.
red rock	3310	swabbed 75 bbls in 1 hour 1500' from top.
lime	3315	Cored 3359-3362 - 16' recovery.
3420= 3324 SIM.		hard white dolomite with green shale.
conglomerate	3332	partings. Partings vary from paper
variegated shale	3338	thickness to 1" thickness maximum.
shale green	3348	Basal part of core showed good saturation.
sdv green shale	3348 $\frac{1}{2}$	Bottom 1' of core lost as there was no
Saturated		core in core catcher.
sdv green shale	3349	Swabbed 80 bbls in 1 hour 1500' from
3349= 3347 SIM.		top standardized.
dolomite	3359	Acid bottles ran every 500 feet.
dolomite white with this green shale		correction negligible.
partings	3360 $\frac{1}{2}$	
dolomite soft	3362	3359 swabbing test 75 bbls in 1 hour
Standardized		1500 feet from top.
dolomite hard	3365	
T.D.		
CORING RECORD.		3362 swabbing test 80 bbls in 1 hour
2998-3332 - 7' Recovery.		1500 feet from top.
$\frac{1}{2}$ ' white lime		
$\frac{1}{2}$ ' conglomerate		
$\frac{1}{2}$ ' Dense white lime		
$\frac{1}{2}$ ' conglomerate		
$\frac{1}{2}$ ' dense white lime.		
2' conglomerate		
1st chat.		
3332-3337 - 1' Recovery green yellow		
and red shale.		
3337-3342 - 4 recovery 1' variegated shale		
3' green shale		
3442-3347 - 1' recovery green shale with		
dark shale coverings on top.		
3347-3349 - 1' recovery $\frac{1}{2}$ ' sdv green shale		
saturated $\frac{1}{2}$ ' sdv green shale.		
1' of black shale corings on top.		
3349-3347 S.L.M.		
This correction probably due to connection		
made on core 3332-37.		
3347-3355 6' Recovery top very hard dense		
pinkish grey dolomite showing fair		
saturation. bottom soft dolomite showing		
good saturation.		
Haliburton tester 3346-55 twice but test		
Failed due to cavings and leaky drill		
pipe.		