

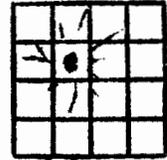
Company- CITIES SERVICE OIL
 Farm- Hayward "C" No. 2

SEC. 16 T. 35 R. 41W
 C SE NW

16-35-41W

Total Depth. 5630'
 Comm. 1-31-63 Comp. 2-24-63
 Shot or Treated.
 Contractor. Lohmann-Johnson
 Issued. 8-24-63

County Morton
 KANSAS



CASING:

8 5/8" 1569' cem w/700 sx.
 5 1/2" 5570' cem w/400 sx.

Elevation. 3534' DF

Production. 3620 MCFG

Figures Indicate Bottom of Formations.

shale, sand, redbed	616
redbed & gypsum	1083
shale & Anhydrite	1552-1735
shale	2665
shale & lime	3060
lime & shale	3167
lime	3320
Coring	3320-3360
(Reaming 3320-3360)	
Coring (Core #3)	3362-3403
Coring	3403-3410
(Reaming Core Hole 3400-3410)	
Drlg. lime	3442
lime	3687
lime & shale	3787
shale & lime	3902
lime & shale	3909-4123
lime	4438
lime & shale	4591
lime	4697
shale & lime	4765
lime & shale (shale)	4900
shale & lime	4997
sand	5020
shale & sand	5091
shale & lime	5267
lime & shale	5310
shale & sand	5400
sand & shale	5450
lime	5473
shale, sand, & lime	5495
shale	5555
limy shale	5610
lime	5630
Total Depth	

TOPS: LOG

Topeka	3210
G.W. Lansing	3502
Heebner	3608
Toronto	3622
Lansing	3777
Marmaton	4024
Morrow	4916
Sand	4998-5038
Sand	5296-5218
Sand	5322-5354
Keyes	5360
Chester	5502
St. Geneva	5608

Notegram

16-35-41W

Date February 25, 1963

For Mr. C. W. Sellon

Room Amarillo

m. W. P. Fleck

Room Amarillo

CWS

Re: Recommended Perforations
#2 Hayward "C"
Section 16-35S-41W
Morton County, Kansas

Keyes Sand 5360-5400

DST recovered gas in pipe and heavily oil and gas cut mud and muddy filtrate water. Samples and test data indicate the pay is tight. Perforations at 5378 and 5366 plus stimulation would evaluate the zone.

"S₃" Sand 5324-40

DST recovered show of gas and oil. Samples and test data indicate the pay is tight. In the event the Keyes produces excessive water, the "S₃" should be tested at 5325.

"S₃" Sand 5298-5302
5306-10

This interval should be tested prior to abandonment of the Morrow.

Shawnee "B" 3366-82

Core analysis indicates zone to be oil productive. We recommend perforations throughout 3366-82' interval in order to get good evaluation and minimize possibility of treatment communicating with Shawnee "A" zone.

Shawnee "A" 3347-58

Visual core description indicated 12' of good oil pay here.

WPF/sb

cc: H. W. McMullen (2)
H. V. Anderson (1)
H. E. Massey (2)
A. N. Jacques (1)
File

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RECEIVED
FEB 27 1963

MID-CONTINENTAL DISTRICT
OPERATIONAL DIVISION
REFERRED TO