

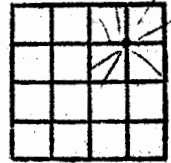
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- SKELLY OIL CO.
Farm- C. S. High No. 1

SEC. 34 T. 31 R. 32W
Center NW/4

Total Depth. 5861' PB 2730'
Comm. 12-7-54 Comp. 1-11-55
Shot or Treated.
Contractor. Nye & Snell Drlg. Co.
Issued. 3-26-55

County Seward KANSAS



CASING:

13 3/8" 715' cem w/700 sx
5 1/2" 5753' cem w/1300 sx

Elevation. 2850' DF

Production. 2,800,000 cu. ft. gas

Figures Indicate Bottom of Formations.

surface soil, shale & shells	70
sand and shells	525
sand and clay	600
red bed	718
red bed	1190
sand and shells	1350
shale and shells	1712
anhydrite	1721
red bed	2000
shale and lime	2420
anhydrite	2445
anhydrite, shale and lime	2535
shale and lime	2650
shale, lime & anhydrite	2655
dolomite and lime	2673
shale and lime	2786
red bed	2800
shale and lime	2945
shaly lime and chert	3070
lime	3085
lime and shale	3180
lime	3199
lime, chalk and shale	3365
shale and lime	3438
chalky lime and shale	3599
chalky lime	3765
chalky lime and shale	3815
chalky lime	3930
lime	3957
chalky lime	3977
lime	4015
lime and shale	4265
lime	4275
lime and shale	4305
lime and chalk	4330
lime	4335
lime and shale	4373
lime	4518
lime, chert and shale	4585
lime and shale	4632
lime	4670
lime and chert	4730
cherty lime and shale	4775
lime and shale	5041
lime and shale	5045
lime	5100
lime and shale	5146
cherty lime and shale	5190
lime and shale	5492
Cored from 5492' to 5526' Recovered 34'	
shale and sand	5554
Cored from 5554' to 5607' Recovered 48'	
shale and lime	5704
lime and shale	5785
chert and lime	5825
cherty lime and shale	5861
Total Depth	5861
Plug back	2730'

Tops:	
Base Blaine Gypsum	1120
Anhydrite	1628
Base Anhydrite	1730
Hollenberg Lime	2574
Herington Lime	2634
Upper Krider Lime	2660
Lower Krider Lime	2697
Winfield Lime	2742
Boyle Shale	2764
Towanda Lime	2790
Ft. Riley Lime	2854
Topeka Lime	3873
Heebner Shale	4228
Toronto Lime	4244
Lansing Lime	4336
Cherokee Lime	5154
Morrow Shale	5467
First Morrow Sand	5495
Second Morrow Sand	5554
Chester Lime	5564
St. Genevieve Lime	5740

DRILL STEM TESTS:(Halliburton)

- #1 packer set at 4227', used 48' anchor, open 1 hr., light blow throughout, Rec. 790' of mud & salt wtr, BHP 1118#.
- #2 packer set at 4357', used 16' anchor, open 1 hr., very light blow, rec. 105' of mud and salt water, BHP 1100#.
- #3 packer set at 4982', used 59' anchor, open 45 mins., rec. 310' of muddy salt water, BHP 1390#.
- #4 packer set at 5460', used 94' anchor, open 1 hr., weak blow for 5 mins., rec. 15' of drilling mud, BHP 70#.
- #5 packer set at 5552', used 55' of anchor open 1 hr., good blow of air throughout, Rec. 7' of drilling mud, BHP 90#.
- #6 packer set at 5603', used 101' of anchor, open 50 mins., very light blow for 50 mins., rec. 5' of drilling mud, BHP 90#.
- #7 packer set at 5709', used 76' of anchor, open 45 mins., weak blow for 25 mins., rec. 3' of drilling mud, BHP 90#.
- #8 packer set at 5785', used 76' anchor, open 1 hr., light blow for 15 mins., rec. 8' drilling mud, BHP 69#.

Ran Schlumberger Survey.

(OVER)

Cont.
Skelly Oil Co. No. 1 C. S. High
Sec. 34-31-32W Center NW/4

Producing Formation Upper and Lower Krider 2662-2680'
2700-2706'
2710-2722'

Significant Geological Formations:

Upper Krider gas from 2662' to 2680'
Lower Krider gas from 2700' to 2722'

Acid Treatment #1 5616'-5622'
1-19-55 by Halliburton, using 1000 gals.
of acid and 133 barrels of water to flush.

Acid Treatment #2 5599' to 5611'
1-20-55 by Halliburton, using 1000 gals.
of acid and 144 barrels of water to flush.

Acid Treatment #3 between 5582' and 5592'
1-21-55 by Halliburton, using 1000 gallons
of acid.

Acid-Frac Treatment #1 between 5570' and 5576'
1200 gals of Gel, 1800# of sand, 500 gals.
of 15% acid

Hydrafrac Treatment #1 between 5570' and 5576'
used 2000 gals. of Gel, 2100# of sand,
1600 gals. of diesel fuel, 25 gals. of breaker agent.

Sand-Oil-Frac Treatment #1 between 5558' and 5566'
used 6000 gals of heavy oil, 5900# of sand
850 gals. of diesel fuel.

Acid Treatment #4 between 2744' and 2752'
2-1-55, by Halliburton, using 500 gals. of
acid and 65 barrels of water to flush.

Acid-Frac Treatment #2 between 2700' and 2722'
used 500 gals. of Halliburton 15% acid
5000 gals of Gel and 7 $\frac{1}{2}$ % acid
7500# of sand, 2500 gals. of 7 $\frac{1}{2}$ % acid
2700 gals of water to flush

Acid Treatment #3 between 2662' and 2680'
used 500 gals. of 15% acid, 500 gals of 7 $\frac{1}{2}$ %
Gel, 6300# of sand, 2500 gals of 7 $\frac{1}{2}$ % acid breaker
3000 gals of 5% acid flush