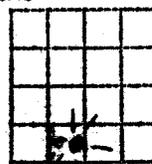


3-31-14W

DISCOVERY WELL

County, Barber
 KANSAS



Total Depth. 4681'
 Comm. 6-30-44 Comp. 8-30-44
 Shot or Treated.
 Contractor.
 Issued. 11-11-44

CASING:

12 1/2" 204' Cem.
 8 1/4" 808' Cem.
 5 1/2" 4668' Cem.

Elevation. _____

Production. Est. 4,000,000 G.

Figures Indicate Bottom of Formations.

shells & shale	569	Record of perforating and
shale	629	acidizing:
shells & shale	808	Lane Wells shot from 4394
shale	865	to 4417 w/80 holes
shells & shale	1675	Washed down w/500 Gals.
salt & shale	1850	Acid. Showed approx. 2
lime	2060	mil. cu. ft. gas. Acidized
lime sdy	2120	w/3000 Gals., gas inc. to
lime	2530	10 mil. to 12 mil. cu. ft.
shale & lime	2720	but soon decreased and
shale	2810	settled to 3,800,000 w/
shale & lime	2857	spray of oil. Rock
lime brkn	3040	Pressure 1440. Ran
lime	3200	Dowell's Permeability
lime & shale	3255	equipment and it showed
lime brkn	3335	5% of acid penetrating
lime	3575	4412-16; 95% of acid
lime brkn	3605	penetrating 4416-17
lime	3776	Perforated from 4399-4407
shale	3870	w/64 holes; ran Jelly
lime	3972	Seal from 4407-17; acidi-
shale & lime	4030	acidized w/2000 Gals.
lime	4237	acid; swbd out jelly &
lime & shale	4277	still had 3,800,000 cu ft
lime & chert	4302	of gas w/btm hole pres-
lime	4375	sure of 2000# and rock
lime & shale	4399	pressure 1440#
Viola lime	4415	Perf. 4415-31; Acidized w/
lime	4490	5000 Gals; Est. 4 mil. cu.
lime & chert	4512	ft. gas
lime & shale	4541	
shale	4599	
shale & sand	4617	
shale	4631	
lime	4681	
Total Depth.		

Drill Stem Test:

Set packer at 4440 and ran Halliburton drill stem test 4399-4440. Show of gas 1st 10 minutes. Left open 25 minutes & had est. of 2.5 mil. cu. ft. gas thru 5/8" choke.

Schlumberger Tops of Formations:

Maquoketa	4399
Xlyn Viola, sli. staining	4438
Cherty Dolomite	4456
Simpson Shale	4536
(No distinct Simpson sd-mixture of shale & sand)	
Arbuckle	4631