

5- 16- 10W

BERGMAN DRILLING, INC.

State Geological Survey
Geological Branch

DRILLERS LOG

Re: Oshel A # 1
330' North of South Line of SW/4
Section 5-16S-10W
Ellsworth County, Kansas

Elevation: 1815 KB

OPERATOR: Bergman Oil Company
CONTRACTOR: Bergman Drilling, Inc.
COMMENCED: November 3, 1979
COMPLETED: November 12, 1979
TOTAL DEPTH: 3299'

311.46' of 8 5/8" w/180 sx.

0	180	Shale & Shells & Sand
180	575	Shale Shells & Pyrite
575	618	Red Bed
618	643	Anhydrite
643	1015	Red Bed - Shale & Lime
1015	1465	Shale
1465	1735	Lime - Shale & Sand
1735	1915	Shale - Lime
1915	2245	Lime & Shale
2245	2475	Lime & Shale
2475	2621	Shale & Lime
2621	2750	Lime & Shale
2750	2915	Lime & Shale
2915	3005	Shale & Lime
3005	3097	Shale & Lime
3097	3178	Lime & Shale
3178	3237	Lime (K.C.)
3237	3269	Lime & Shale
3269	3280	Simpson Sand & Shale
3280	3283	Lime
3283	3287	Dolomite & Chert
3287	3292	Top of Arbuckle
3292		Arbuckle
3292	3299	Arbuckle
3299		RTD

Set 4 1/2 @ 3297 w/125 sx.

We certify that the above and foregoing to
be true and correct copy of the Drillers
log on the # 1A Oshel, located in
Ellsworth County, Kansas, as revealed
by the records of Bergman Drilling, Inc