

Re: Log of Jim Hapson #1 Well,
NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26, Twp. 23 N., Range 35 East,
Union County, New Mexico.

Spudded in Sept. 17, 1951.

0 - 4 ft.	Top Soil
4 25	Caliche
25- 80	Sand- Soft.
118-152	Sand- Soft - Buff colored sand.
152-205	Sand
205-215	Sandy with gas odors
215-240	Sand- Water at 235
240-260	Sand & gravel
260-285	Sand-Buff color
285-292	Dark Gumbo (Set 10" in casing at 290 ft.) (Later drove to 294 ft.)
292-295	Hard brown rock
295-310	Dark Gumbo
310-320	Dark hard sand rock
320-340	Hard Blue Sandy Shale
340-350	Light blue shale and rock
350-355	Buff color sand rock
355-375	Dark sand and shale
375-385	Buff colored sandy shale
385-395	Blue shale and hard rock
395-400	Brown sand rock and shale; some black rocks
400-405	Dark shale
405-413	Dark blue and black shale
413-417	Light blue shale
417-422	Hard sand rock

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422-430	Hard rock and dark shale
430-440	Light shale and sand rock
440-450	Brown rock and shale
450-455	Dark Gray rock(hard)
455-465	Brown rock and shale
465-475	Dark Blue rock and shale
475-511	Buff colored sand rock
511-517	Buff colored sand
517-525	Brown clay and sand
525-530	Blue clay and sand rock
530-542	Hard blue sand rock
542-545	Blue clay
545-550	Red clay-Sticky.
550-562	Red shale & clay
562-570	Hard born rock
570-580	Blue sticky shale
1-26-52-	Ran 577'-9" 8" casing.
580-590	Blue shale and rock
590-595	Gray shale and rock
595-597	Sand rock
597-600	Sandy formation
600-608	Light colored sand rock
608-615	Light colored sand rock(fine)
615-620	White sand rock; very fine
620-625	Sand rock, a little coarser and darker.
625-637	Coarse sand rock(round)
637-665	665 Sand rock; brown layer

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665-670	Plain sand rock
670-675	Sand rock
675-680	Fine sand rock
680-685	Sand rock
685-690	Soap stone and sand rock
690-700	Sand stone; round grain.
700-705	Sand rock; some shale.
705-710	Sand rock; round grains.
710-715	Sand rock; some shale; some lime.
715-718	Sandy lime
718-720	Sandy lime
720-722	Sandy lime; more lime.
722-725	Sandy shale and lime
725-730	Sand rock, shale and lime
730-735	Sand rock and lime.
735-749	Sand rock; more lime.
740-745	Shale, rock and lime.
745-750	Blue shale, rock and lime.
750-755	Red clay, sand and lime
755-760	Clay, rock and lime
760-765	Red clay, rock and lime.
765-770	Red clay, rock and lime
770-775	Dark sand and lime
775-780	" " " "
780-785	Some shale and sand rock
785-790	Red rock and lime

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795-800	Buff sand rock
800-810	Very light sand.
810-815	Red sand and lime
815-820	Brown rock and lime
820-830	Brown rock and lime
830-838	Gray and brown rock and lime.
838-844	Gray rock and lime
844-850	Red rock and lime
850-855	Red rock and lime
855-860	Gray rock and lime
860-865	Gray rock and lime
865-870	Hard gray rock and lime
870-875	Hard gray rock and lime
875-880	Hard gray rock and lime
880-885	Gray rock and lime
885-888	Gray rock and brown lime
888-895	Red rock and brown lime
893-895	Red and brown rock and lime
895-900	Gray rock and lime
900-905	Gray rock and lime
905-910	Red clay and shale
910-913	Red rock, shale and lime
913-915	Red rock and shale
915-920	Gray rock and lime
920-925	Gray rock and lime
925-930	Gray dolomite

Page #5- Log of Hopson #1 Well.

930-935	Gray dolomite
935-940	Red dolomite
940-945	" "
945-950	Red Dolomite(Hard)
950-955	" " "
955-960	" " "
960-964	" " "
964-969	Hard red rock- Dolomite; last 3" very hard.