SOUTH SAREPTA FIELD

BOSSIER AND WEBSTER PARISHES, LOUISIANA

by B. L. Ingold

LOCATION:

The South Sarepta Field is located in Twp. 22N, Rges 11 and 12W, approximately 23 miles northeast of Benton, parish seat of Bossier Perish, Louisiana, and lies 1-1/2 miles west of the village of Sarepta.

PRE-DISCOVERY DATA:

Subsurface mapping indicated a subsurface anomaly in the area. Later seismic surveys lead to the drilling of the Barnsdall et al (Sunray) #1 Ardis well located in the Center of the NE NW of Section 27, Twp. 22N, Rge 11 W, which was dually completed June 8, 1949, as the discovery well of the South Sarepta Field.

DISCOVERY WELLS:

Well No. 1: Barnsdall et al (Sunray) #1 Ardis
Location: C of the NE NW Section 27, Twp. 11N, Rge 11W
Producing Formation: Cotton Valley (JURASSIC)
Completed: June 8, 1949 Total Depth: 10,019' Elevation: 243' K.B.
Perforations: 8712 to 8734 feet No. Shots: 48
9156 to 918'6 feet No. Shuts: 120
Producing Zones: Bodcaw Sand member Cotton Valley group.
Ardis Sand member Cotton Valley group.
Initial Production: Flowed 190 bbls. of distillate per day (Bodcaw).
Flowed 220 bbls. of distillate per day plus 1,112 MCFGPD (Ardis).
Gravity: 59.2° API Gas/Oil Ratio 16,900/1 (Bodcaw)
55.8° API Gas/Oil Ratio 6200/ 1 (Ardis)
Tubing Choke: 16/64" Casing Pressure 1927 PSI (Bodcaw)
16/64" Tubing Pressure 1852 PSI (Ardis)

Well No. 2: Barnsdall Oil Co. et al (Sunray) #1 S. H. Bolinger
Location: 210' S & E of Center Section 21, Twp. 22N, Rge 11W
Producing Formation: Cotton Valley (JURASSIC)
Completed: May 1, 1950 Total Depth: 9221' Elevation: 242' D. F.
Perforations: 9001 to 9020 feet No. Shots: 160
9158 to 9208 feet No. Shots: 336
Producing Zone: Davis Sand member of the Cotton Valley group
Ardis Sand member of the Cotton Valley group
Initial Production Flowed 148 bbls. of distillate per day plus 4800 MCFGPD (Davis)
Flowed 276 bbls. of distillate per day plus 1800 MCFGPD (Ardis)
Gravity: 58.4° API Gas /Oil Ratio 18,000/ 1 (Davis)
57° API Gas /Oil Ratio 5020/1 (Ardis)
Tubing Choke: 1/4" Casing Pressure 2490 PSI (Davis)
1/4" Tubing Pressure 1589 PSI (Ardis)