

Well Name: Marsh Ranch West #1 Consultants, Inc. Location: Section 20-328-15W  
 OP: APC, Inc. County: Barber 15-007-21132  
 Rotary Total Depth: 5360' Rotary Complete: 3/13/81 *Iord*  
 Spud Date: 3/2/81  
 Contractor: Trans-Pac Drilling, Inc.  
 Date: 3/18/81

Casing: Elevation: 1868 K.B.  
1860 G.L.

- 13 3/8"
- 10 3/4"
- 8 5/8" Run 8 jts. or 304.15' of new casing set @ 313' cemented w/275 sks-3% CaCl & 2% Gel.
- 5 1/2"
- 4 1/2"

Figures Indicate Bottom of Formations

0 - 450	Red Bed & Rock
450 - 1258	Red Bed
1258 - 1605	Red Bed & Shale
1605 - 2650	Shale
2650 - 2865	Shale & Lime
2865 - 3823	Shale
3823 - 5360	Lime and Shale

KANSAS GEOLOGICAL SURVEY  
 WICHITA BRANCH

MAY 13 1987

I hereby certify the above and foregoing to be a true and correct log of the above described well as shown by the drilling reports.

TRANS-PAC DRILLING, INC.

*Phyllis Buchanan*  
 Phyllis Buchanan, Office Manager

State of Kansas )  
 County of Sedgwick ) ss:

Subscribed and sworn to before me a Notary Public in and for said county and state