

# HISTORY OF OIL OR GAS WELL

Pan American Petroleum Corporation  
O. J. Hoover "A" #1, located 1780' W of S line and 913' E. of W line of Section 23, T4N, R14E, San Juan County, New Mexico.

The above well was spudded on August 2, 1956, and on August 8, 1956, 13-3/8" casing was set at 497 feet, cemented with 600 sacks cement. After waiting on cement for thirty hours, casing and water shut off were tested with 500 pounds for thirty minutes with no drop in pressure. Drilling operations were resumed.

9-5/8" casing was set at 5555 feet and cemented with 785 sacks cement. After waiting on cement for 48 hours, casing and water shut off were tested with 1000 pounds for 30 minutes with no drop in pressure.

Drilled cement and plug, tested bottom of shoe with 950 pounds, pressure dropped 60 pounds in 30 minutes. Set Baker retainer at 5489 feet and squeezed with 100 sacks cement; failed to get pressure up. Re-squeezed with 125 sacks cement. Pressured up to 2600 pounds during squeeze. Waited on cement for 36 hours, tested with 900 pounds pressure for 30 minutes with no drop in pressure.

Drilling operations were resumed.

Total depth of this well was 10,808 feet, and was plugged back to 10,796 feet. HOWCO RTTS tool was set at 10,733 feet. Perforated with four shots per foot 10,877 to 10,788. Swabed to 10,000 feet, no show of gas or oil. Failed to acidize this zone. This zone abandoned.

Perforated 10,655 to 10,700 with four shots per foot. Spotted 500 gallons acid over these perforations and this zone was re-acidized with 200 gallons acid. Cemented zone with 100 sacks of cement.

Perforated 10,592 to 10,640 with four shots per foot. Zone was acidized with 500 gallons acid. Cemented this zone with 100 sacks cement.

Packer set at 10,445. Perforate 10,505 to 10,529 with five shots per foot. Acidize with 500 gallons acid. Cemented zone with 100 sacks of cement. Packer set at 10,043. Perforate 10,107 to 10,122, 10,187-200 with four shots per foot, acidize with 500 gallons acid. Cemented this zone with 100 sacks of cement.

Packer set at 10,006. Perforate 10,025-10,086 with five shots per foot. Acidize with 500 gallons acid and zone was re-acidized with 200 gallons acid. Set bridge plug at 10,015. Perforate 9945-10,006 with four shots per foot. Acidize with 500 gallons acid and re-acidize with 200 gallons acid. Bridge plug set at 9935'. Perforate 9784-9925 with four shots per foot. Acidize with 3000 gallons acid. Gas tested 25 MCFPD thru 1" line. Re-acidize with 10,000 gallons acid. Perforate 9,570-9,680, 9720-60 with four shots per foot. Acidize 15,000 gallons. Cemented zone with 100 sacks of cement. pulled 5 1/2" casing and cemented at 6926' with 125 sacks of cement.

Perforated 6802-6822, attempted to treat with 500 gallons acid. Re-perforate zone, packer set at 6750. Cemented with 100 sacks cement.

Set retainer at 5518 with 50 sacks of cement. Perforate 4715-25. Set HRC tool at 4692. Cemented zone with 100 sacks cement. Packer set at 3412.

Perforate 3500-3530 with four shots per foot. Acidize with 500 acid. Sand-oil frac 20,000 gallons oil, 15,000 pounds sand. Injected rubber balls. Well was then tested which pumped four to five barrels of oil per day. Cemented Gallup zone 3500-30 below retainer set at 3470' with 100 sacks of cement.

Perforated four shots at 2260' but was unable to establish circulation. Perforated four shots at 2230', but was unable to establish circulation. Perforated four shots at 2200' and established circulation behind 9-5/8" casing. Circulated out and from annulus and cemented with 250 sacks of cement.

Perforated with two shots per foot 1960-70, 1976-88, 1996-2002, 2012-34, 2054-73, 2092-2124. Acidize with 750 gallons below packer set at 1943'. Sand oil fracked with 40,000 gallons oil and 40,000 pounds sand. Injected 150 rubber balls in 14 stages to divide treatment after frac. Well opened up and flowed 300 barrels load oil in two hours. Well died after flow back of 350 barrels. Cemented entire perforation with 200 sacks of cement. Drilled out cement to 1990'. Perforated with two shots per foot 1960-70, 1976-88. Pressured up and would not break down at 1000 psi. Washed perforations with 500 gallons acid. Pressured up to 800 psi and pumped 80 gallons into formation. Then tested this formation. Received trace of oil and trace of gas too small to measure. Plug and abandon was approved, and verbal approval to plug and abandon well was received from local U.S.G.S. office. The O. J. Hoover "A" #1 was plugged and abandoned as follows on August 11, 1957:

- (1) Squeezed present perforations 1960-70 and 1987-88 in Point Lookout with 125 sacks cement.
- (2) After cutting and recovering 792 ft. of 9-5/8" casing, spotted 85 sack plug 50 foot into stub and 50 foot into open hole.
- (3) Spotted 50 foo

(over)

- (3) Spotted 50 sack plug at 497' across bottom of surface pipe.  
(4) Spotted 10 sack plug in top of surface pipe.  
(5) Erected marker and cleaned up location, restoring ground contours to their original shape.

any other work to be done at this location. The work was completed and the area was left in its original condition. The ground contours were restored to their original shape.

On 10/10/68, the work was completed and the area was left in its original condition. The ground contours were restored to their original shape.

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