

By R. Copeland  
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Title Drilling & Production Supt.

### WELL HISTORY

WELL: Austral Oil Company Incorporated, Huerfanito (6213) #6-11

FIELD: Basin Dakota

DRILLING BLOCK: 1190' from the South line and 1450' from the west line of Section 11, T-26-N, R-9-W, San Juan County, New Mexico.

ELEVATION: GL: 6248'  
KDB: 6259'

CONTRACTORS: Ioffland Brothers, Tulsa, Oklahoma (Drilling)  
Stone Drilling Inc., Farmington, New Mexico (Completion)

DRILLING SUMMARY: Well drilled and cased to total depth on a turnkey basis.

5-14-64 Well spudded 12:00 Noon.  
5-15-64 Set 11 jts. of 8-5/8" surface casing at 337'.  
5-26-64 Reached TD 6712'. Ran logs.  
5-28-64 Set 206 Jts. of 4-1/2" production casing at 6704'. PETD 6678'.  
RIG RELEASED 3:00 PM.

6-16-64 Rig on location 3:00 PM. Drilled DV tool at 2091'.  
6-17-64 Went in hole to 6678'. Displaced hole w/1% CaCl water.  
Perforated 6,353-369' & 6454-467' & 6472-679' & 6482-498'  
& 6539-549' & 6555-562' & 6585-595'(ES) w/2 jets/foot.  
6-19-64 Acidized perforations 6585-595' w/150 gals. of BDA and got full returns on casing. Acidized perforations 6539-549' & 6555-562' & 6585-595' w/150 gals. of BDA and got full returns. Acidized the perforated interval 6454-595' w/150 gals. of BDA w/returns on casing again. Pumped water into perforations 6353-369'.  
6-20-64 Fraced well w/94,000 gals. of water, 100,000# of sand, 40 tons of CO<sub>2</sub> and 125 sealer balls injected at appropriate intervals. Average injection rate of 44 b/min. w/3400#. Flowed well to pit on 2-2" lines followed by flowing on the 5-1/2" blooie line.  
6-21-64 Went in hole and found top of sand at 6562'. Perforations 6585-595' left covered w/sand. Ran 194 jts. of 2-1/16" tubing for completion w/bottom suspended at 6340'.  
6-22-64 RIG RELEASED 5:00 AM.  
Flowed well at a rate of 2200 MCF/Day w/605# FTP and 905# CP. Condensate recovery 39 B/MMCF.  
6-30-64 After recording a 7 day SITP of 2005#, the well was flowed on a 3/4" choke at the rate of 4978 MCF/Day w/399# FTP and 1264#CP. Calculated absolute open flow of 7303 MCF/Day.

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TUBING RECORD:

2-1/16" TUBING SETTING

1	2-1/16" Pump out plug nipple, 10R	0.56
1	2-1/16" coupling w/1 1/2" 10R	0.33
1 JT	2-1/16", 3.25#, JCW-55 Tubing w/1 1/2" 10R, EUE, THD	32.90
1	2-1/16", Otis Position #1 landing nipple, 10R	1.09
192 Jts	2-1/16", 3.25#, JCW-55 tubing w/1 1/2" 10R EUE, THD	6261.30
1	2-1/16", Double Pin sub, 10R	0.47
1 Jt	2-1/16", 3.25#, JCW-55 tubing, w/1 1/2" 10R EUE, THD	32.40
1	Cameron Type "FB-B" tubing hanger	0.90
194 Jts		6329.95
	Top of tubing to KDB	10.00
	Bottom of tubing suspended w/respect to KDB at	6339.95'

LOGGING RECORD:

	<u>Company and Type of Log</u>	<u>Interval</u>	<u>Date</u>
#1	Welex I-ES	328-6707'	5-27-64
#1	Welex Acoustic Velocity Log	2200-6700'	5-27-64
#1	Welex Gamma-Collar Perforation Record	6000-6677'	6-17-64