

WELL HISTORY

WELL: Austral Oil Company Incorporated, Huerfanito (6213) #2-34
FIELD: Basin Dakota
DRILLING BLOCK: 62-13
LOCATION: 1850' South of North line and 1500' West of East line of
Section 34, T-27-N, R-9-W, San Juan County, New Mexico.
ELEVATION: GL 6433.00'
KDB 6446.65'
CONTRACTOR: Pico Drilling Company, Breckenridge, Texas

Well was spudded 10:00 p.m. 3-12-63. Set 11 joints of 8-5/8" surface casing at 347.65'. Cemented with 250 sacks of common cement with 2% HA-5. Plug down at 9:30 p.m., 3-13-63. Cement circulated to top. W.O. cement pressured up 1500#. Held o.k. Drilled ahead with water. On 3-19-63 at 3980' began drilling with mud. Reached total depth 6922' 3-29-63. Ran Induction-Electric log, Gamma Ray-Sonic-Caliper log. March 30, 1963 ran 4 1/2" casing. D.V. tools set at 4946' and 2412'. Casing set at 6915.00 feet. 1st stage, cemented with 300 sacks common cement, 300 sacks Diamix A, 2% Calcium Chloride, 1/8#/sks. Cello-Flakes. 2nd stage, cemented through D.V. tool at 4946' with 72 sacks type C cement, 72 sacks Diamix A, 1/8# sack Cello Flakes. 3rd stage, cementing through D.V. tool at 2412' with 123 sacks Type C cement, 123 sacks Diamix A, 1/8# sack Cello-Flakes. Drilled 1st D.V. tool. Pressured up to 1500# for 30 minutes, held o.k. Drilled 2nd D.V. tool. Pressured up to 1500# for 30 minutes, held o.k. Circulated and cleaned out to top of plug. Pressured up to 1500#. Held o.k. Ran Bond log, Gamma Ray-Collar log. Preparing to perforate. April 2, 1963 perforated with 2 jets per foot as follows:

6639-45'; 6657-62'; 6713-52' (Gamma Ray)
6789-6808'; 6814-24'; 6841-73' (Gamma Ray)

Acidized with MSA acid (acetic) 500 gallons in four 125 gallon stages at 1/2 barrel per minute rate.

<u>Stage</u>	<u>Bridge Plug</u>	<u>RTTS Tool</u>	<u>Acid</u>	<u>Perforations</u>
1st	6680'	6832'	125 gals.	6641-73'
2nd	6832'	6770'	125 gals.	(6789-6808' 6814-24')
3rd	6770'	6690'	125 gals.	6713-52'
4th	6690'	6610'	125 gals.	(6639-45' 6657-62')

April 3, 1963, fraced Dakota with 94,400 gallons water and 99,500# sand. Used approximately 40 tons CO₂ (288 ft.³/bbl.). Maximum 46 bbl/min. - average rate 36.2 bbls./min - maximum pressure 4,000# - S.I. pressure 525#. Dropped 35 balls (25 and then 10). Cleaning well to pits.

April 4, 1963 continued to clean well to pits. Ran tubing as follows:

1 - 2-1/16" pump out plug nipple	0.50'
1 jt. 2-1/16" V-50 with 1 1/2" 10R EUE thread	31.16'
1 - 2-1/16" type S Pos. nipple	1.10'
212 jt. 2-1/16" V-50 1 1/2" 10R EUE thread	6553.53'
1 - 2-1/16" double pin sub (into T-16 hanger)	0.80'
Elevation (KDB to tb. head)	11.00'
Total	6603.09'

April 5, 1963 tested well 13 hours on 3/4" choke, maintained 650# back pressure on production equipment, 725# FTP, at a rate of 69.60 bbls/day of 56.4° API gravity condensate and 1,590,000 cubic feet of gas. Well shut-in. Released rig at 3:00 p.m.

April 6, 1963 tested well on 3/4" choke, maintained no back pressure on production equipment, well headed on flowing tubing pressure from 400# to 600# at a rate of 69 bbls/day and 1,600,000 cubic feet/day.

Tested to 10:00 a.m. of the 7th. Test on 3/4" choke maintained 500# back pressure on production equipment, well headed on flowing tubing pressure between 525# and 725# at a rate of 69 barrels per day and 1,600,000 cubic feet per day. Well shut-in awaiting market.

DDD:llm
April 22, 1963