

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON WELL HISTORY OTHER	X

July 13, 1956
(Date)

Farmington, New Mexico
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

STANOLIND OIL AND GAS COMPANY
(Company or Operator)

STATE GAS UNIT 'L'
(Lease)

Gardner Bros. Drilling Company
(Contractor)

Well No. 1 in the SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of 2

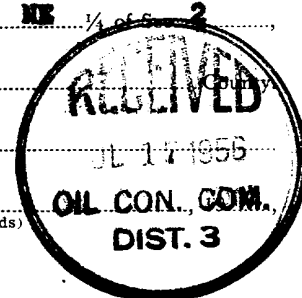
T. 29-N, R. 9-W, NMPM., Blanco-Masaverde

Pool, San Juan

The Dates of this work were as follows: 7/5/56

Notice of intention to do the work ~~(was)~~ (was not) submitted on Form C-102 on _____
(Cross out incorrect words)

and approval of the proposed plan ~~(was)~~ (was not) obtained.



DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

On July 5, 1956, this well was perforated with two jet shots per foot as follows: 4776-4817, 4764-4772, 4712-4748, 4695-4706, 4608-4679, 4594-4605, 4590-4563, 4432-4452, 4419-4423. These perforations were sand-water fracked with 50,000 gallons water and 75,000 POUNDS sand. Formation broke at 1400 pounds, average injection rate 72.5 barrels per minute. Bridging plug was set at 4350 feet. The well was then perforated with two jet shots per foot as follows: 4321-4329, 4299-4305, 4169-4183, 4152-4156, 4116-4124, 4087-4102, 4065-4082, 4055-4062, 4041-4046, 4007-4038. These perforations were then sand-water fracked with 35,000 gallons water and 50,000 pounds sand. Formation broke at 1800 pounds. Average injection rate 67.6 barrels per minute. Test after frac was 6,190 MCF per day.

Witnessed by L. L. Martin
(Name)

STANOLIND OIL AND GAS COMPANY
(Company)

Head Roustabout
(Title)

Approved _____
OIL CONSERVATION COMMISSION

Emory C. Arnold
(Name)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name E. D. Spence

Position Field Superintendent

Representing STANOLIND OIL AND GAS COMPANY

Address Box 407 - Farmington, N. M.

Oil and Gas Inspector Dist. #3.
(Title)

JUL 19 1956
(Date)

OIL CONSERVATION DISTRICT OFFICE		
AZTEC DISTRICT OFFICE		
No. Copies Received		4
DISTRIBUTION		
	NO. FURNISHED	
Operator	2	
Santa Fe	1	
Proration Office		
State Land Office		
U. S. G. S.		
Transporter		
File	1	✓

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Alamosa-Mesa Verde Formation Mesa Verde County San Juan
Initial X Annual - Special - Date of Test 7/12/56
Company STANOLIND OIL & GAS COMPANY Lease State Gas Unit "L" Well No. 1
Unit 8 Sec. 2 Twp. 28N Rge. 9E Purchaser El Paso Natural Gas Co. connected
Linear 5-1/2 Wt. 146 I.D. 3.812 Set at 4844 Perf. 4807 To 4812
Tubing 2-3/8 Wt. 4.79 I.D. 1.993 Set at 4765 Perf. 4765 To 4771
Gas Pay: From 4807 To 4812 L 4765 xG .45 cor. GL 3077 Bar. Press. 12 psig.
Producing Thru: Casing - Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 7/1/56 Packer None Reservoir Temp. -

RSD = 3442

OBSERVED DATA

Tested Through (NONE) (Choke) (NONE) Type Taps -

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	-	-	-	-	-	1074	60	1079	60	(5 day S.I.P.)
1.	-	1/4"	484	-	60	1074	60	1080	60	5
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	11.3530	-	484	1	0.743	1.035	6.190
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio - cf/bbl.
Gravity of Liquid Hydrocarbons - deg.
F_c 9.402 (1-e^{-S}) .322

(Approx.)
Specific Gravity Supplement Gas 0.65
Specific Gravity Flowing Fluid -
P_c 1071 P_c² 1190.3

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w /P _c
1.	484	234	38.2	1457.0	684.17	1084.1	184.20	1083	.483
2.									
3.									
4.									
5.									

Absolute Potential: 27,200 MCFPD; n 0.75
COMPANY STANOLIND OIL AND GAS COMPANY
ADDRESS Box 187, Farmington, New Mexico
AGENT and TITLE Field Engineer, E. A. Bauer, Jr. E. A. Bauer, Jr.
WITNESSED
COMPANY

REMARKS

Subsequent pressures after 6 day shut-in:
Tubing Pressure = 1076 psig.
Casing Pressure = 1080 psig.



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	1	
Pieration Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓