

Well Name: J. R. Cone Mobil-Myers No. 1 4

Pool: Jalmat (Gas).

Location: 1980' FSL & 660' FEL, Section 22, T-24-S, R-36-E, NMPM, Lea County.

Completion Date: April 18, 1956.

Producing Formation: Yates (top of Yates 3154').

Total Depth: 3414 feet; Plugged back total depth: 3312 feet.

Production equipment: 2-3/8 EUE tubing inside 5-1/2 casing. Tubing bottom 3307'.

Producing Perforations: 3154-3186 and 3202-3228' 4 holes/foot; and,
 3254-3266 and 3278-3308' 6 holes/foot.

Initial Potential: 890 MCF dry gas (no liquid) per day.

Transporter: El Paso Natural Gas Company.

Acreage assigned to well: 120 acres.

Production History: (All volumes in MCF)

Year	Production	Allowable	Remarks
1956	57,641		First production 7/25/56 (to IP system)
1957	85,754		Free piston installed 8/57 to eject water
1958			out tubing. Gas delivered off casing.
J	6,171	Marginal	Marginal allowable equal to well capacity.
F	6,172	"	
M	6,633	"	
A	6,471	"	
M	4,539	"	
J	5,373	"	
J	3,999	"	Deliverability commencing 7/1/58: 145 MCF.
A	4,348	"	
S	4,747	"	
O	4,853	"	
N	4,263	"	
D	3,900	"	Connected to El Paso IP system 12/30/58.
1959			
J	2,199	"	
F	2,458	"	
M	4,773	"	El Paso connection changed to tubing; casing
A	8,180	"	left closed hereafter.
M	7,204	"	
J	7,737	"	Adjusted OCC June net allowable: - 20,210 MCF.
J	5,278	6,882	Deliverability commencing 7/1/59: 132 MCF.
A	4,146	2,233	
S	0	3,578	Well died. Left shut in to reduce overage.
O	0	4,060	
N	456	4,523	Production resumed under SF 844, dated 10/9/59.
D	1,085	5,718	
1960			
J	1,359	2,899	
F	2,259	1,716	Production February and after obtained during
M	1,381	4,720	annual deliverability tests and per OCC
A		3,595	letter of 3/22/60 permitting production of
			50% of current allowable pending Hearing.

Continued: J. R. Cone Mobil-Myers No. 27

Cumulative well production to April 1, 1960) 253,379 MCF

Production vs. Allowable position of well as of April 1, 1960 according to New Mexico Oil Conservation Commission Southeast Gas Proration Schedule: 6,803 MCF over-produced.

Monthly average allowable of last complete six-months proration period (7/1/59 to 12/31/59) equal 4,499 MCF.

Current status of well:

Producing under time cycle control in conjunction with free piston, three flows per day, 27.5 minutes per flow. Approximate gas volume produced per flow: 20 MCF. Approximate water rate: 0.6 barrel per flow.

Extrapolated present production rate: $20 \times 3 \times 30.4 = 1,824$ MCF/month.

Present character of well:

Well will produce only by intermitting gas and water out tubing with casing closed (using free piston to eject water). Well will not produce continuously into El Paso Low Pressure system through either the tubing or the tubing-casing annulus. Any shut-in exceeding approximately 24 hours requires swabbing to establish flow.

Prepared April 26, 1960.

L. O. Storm, P. E.
Agent for J. R. Cone

Well Name: Thompson & Cone Pan American-Myers No. 1

Pool: Jalmat (Gas)

Location: 1650' FNL & 330' FEL, Section 22, T-24-S, R-36-E, NMPM, Lea County.

Completion Date: March 1, 1954.

Producing Formation: Yates (top of Yates 3122').

Total Depth: 3501 feet. Plugged back total depth: 3380 feet.

Production equipment: 2-3/8 EUE tubing inside 5-1/2 casing. Tubing bottom: 3357'.

Producing Perforations: 3120 to 3360 feet, four holes per foot.

Initial Potential: 4,200 MCF dry gas (no liquid) per day.

Transporter: El Paso Natural Gas Company.

Acreage assigned well: 160 acres.

Production History: (All volumes in MCF)

Year	Production	Allowable	Remarks
1954	71,523		First production 7/7/54 (to HP system).
1955	244,452		Connected to El Paso IP system 1/6/55.
1956	208,311		
1957	152,230		Free piston installed 8/57 to eject water out tubing. Gas delivered off casing.
1958			
J	12,528	Marginal	Marginal allowable equal to well capacity.
F	11,832	"	
M	13,492	"	
A	12,056	"	
M	11,009	"	
J	11,385	"	
J	9,198	"	Deliverability commencing 7/1/58: 258 MCF.
A	10,409	"	
S	10,442	"	
O	11,799	"	
N	10,914	"	
D	8,235	"	Connected to El Paso IP system 12/30/58
1959			
J	8,697	"	
F	8,225	"	
M	5,184	"	El Paso connection changed to tubing; casing left closed hereafter.
A	9,272	"	
M	10,268	"	
J	11,013	"	Adjusted OCC June net allowable: -57,400 MCF.
J	9,090	10,500	Deliverability commencing 7/1/59: 247 MCF.
A	8,689	3,405	
S	4,315	5,471	Time settings on intermitter reduced 9/59 to reduce production rate and overage.
O	3,083	6,180	
N	0	6,891	Well shut in 10/26/59 per OCC instructions.
D	369	8,725	
1960			
J	0	4,425	Production January and after obtained during annual deliverability tests and per OCC letter of 3/22/60 permitting production of 50% of current allowable pending Hearing.
F	995	2,620	
M	2,993	5,400	
A		5,485	

Continued: Thompson & Cone Pan American-Myers No. 1:

Cumulative well production to April 1, 1960: 892,008 MCF.

Production vs. Allowable position of well as of April 1, 1960 according to New Mexico Oil Conservation Commission Southeast Gas Proration Schedule: 41,350 MCF over-produced.

Monthly average allowable of last complete six-months proration period (7/1/59 to 12/31/59) equals 6,862 MCF.

Current status of well:

Producing under time cycle control in conjunction with free piston, two flows per day, 28.5 minutes per flow. Approximate gas volume produced per flow: 33 MCF. Approximate water rate: 0.5 barrel per flow.

Extrapolated present production rate: $33 \times 2 \times 30.4 = 2,006$ MCF/month.

Present character of well:

Well will produce only by intermitting gas and water out tubing with casing closed (using a free piston to eject water). Well will not produce continuously into El Paso Low Pressure system through either the tubing or the tubing-casing annulus. Under no condition will well kick off into El Paso system after shut-in exceeding approximately 24 hours. Extended shut-in usually requires swabbing to establish flow.

Approximate pressure ranges of El Paso systems:

High pressure: 550 to 650 psig.
Intermediate Pressure: 200 to 250 psig.
Low Pressure: 90 to 125 psig.

Prepared April 26, 1960.



L. O. Storm, P. E.
Agent for J. R. Cone