

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool _____ Basin _____ Formation Dakota County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 10-25-62
Company J. Gregory Merrion & Asso. Lease Federal Unit Well No. 3-35
Unit M Sec. 35 Twp. 25N Rge. 6W Purchaser El Paso Natural Gas Co.
Casing 4-1/2 Wt. 11.60 I.D. 4.000 Set at 6958 Perf. 6760 To 6908
Tubing 2" Wt. 470 I.D. 1.995 Set at 6769 Perf. Open ended To _____
Gas Pay: From 6760 To 6908 L 6760 xG .665 -GL 4495 Bar. Press. 12
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 10-14-62 Packer No Reservoir Temp. 165

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) 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						2237		2237		
1.		3/4	450		76	450	76	1210		3 hrs.
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.	12.3650		462	.9850	.9498	1.049	5606
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2249 P_c² 5058

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.						1493	3565		.543
2.									
3.									
4.									
5.									

Absolute Potential: 7288 MCFPD; n .75
COMPANY J. Gregory Merrion & Asso.
ADDRESS P.O. Box 507, Farmington, N.M.
AGENT and TITLE J. Gregory Merrion
WITNESSED John Carothers
COMPANY Kay Kinbell, Oil Operator

REMARKS

MAR 14 1963
OIL CON. COM.
DIST. 3

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressability factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

(6) That the applicant seeks permission to withhold the proceeds from production attributable to each non-consenting working interest until such time as each interest's share of the costs of said well has been recovered, plus 50 percent thereof as a charge for the risk involved in the drilling of the well.

(7) That \$75.00 per month should be fixed as the cost of operating the subject well and each non-consenting working interest owner should be assessed with his share of such cost, to be paid out of production.

(8) That the applicant should furnish the Commission and each known non-consenting working interest owner in the subject unit an itemized schedule of well costs within 30 days following the date of completion of the subject well.

(9) That any non-consenting working interest owner should be afforded the opportunity to pay his share of well costs within 30 days from the date the schedule of well costs is furnished him by the applicant in lieu of paying his share of costs out of production.

(10) That any non-consenting working interest owner not electing to pay his share of well costs within 30 days from the date said schedule is furnished him should have his share of the well costs withheld from production, plus 25 percent thereof as a reasonable charge for the risk involved in drilling the well.

(11) That all proceeds from production from the subject well which are not disbursed for any reason should be placed in escrow in Rio Arriba County, New Mexico, to be paid to the true owner thereof upon demand and proof of ownership.

(12) That J. Gregory Marrion and Associates should be designated the operator of the subject well until its date of completion; that Ray Kimball should be designated the operator of the well and the proration unit prospectively from the date the well is completed.

IT IS THEREFORE ORDERED:

(1) That all mineral interests, whatever they may be, in the Basin-Dakota Gas Pool in the N/2 of Section 35, Township 25 North, Range 6 West, NMPM, Rio Arriba County, New Mexico, are hereby pooled to form a 320-acre gas proration unit. Said unit shall be dedicated to a well to be located in the SW/4 SW/4 of said Section 35.

(2) That J. Gregory Marrion and Associates is hereby designated the operator of said well until its date of completion; thereafter Ray Kimball shall be designated the operator of said well and proration unit.

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(1) That if Gregory Kerrison and Associates in making a determination as to the value of the production attributable to the subject well, shall find that the production attributable to the subject well is less than the production attributable to the subject well in the preceding year, then the production attributable to the subject well shall be deemed to be the production attributable to the subject well in the preceding year.

(2) That \$75.00 per month is fixed as the cost of operation of the subject well, and any amount is hereby authorized to be paid from production the proportionate share of such cost shall be paid to each non-consenting working interest.

(3) That any unshared mineral interest shall be deemed to be a seven-eighths (7/8) working interest and a one-eighth (1/8) working interest for the purpose of allocating costs and charges under the terms of this order.

(4) That any well costs or charges which are to be paid from production shall be withheld only from the working interest share of production, and no costs or charges shall be withheld from production attributable to royalty interests.

(5) That the applicant shall furnish the information as to each known non-consenting working interest owner in the subject unit as it is known or well known within 30 days following the date of completion of the subject well.

(6) That any non-consenting working interest owner shall have the right to pay his share of well costs to J. Gregory Kerrison and Associates within 30 days from the date the schedule of well costs is furnished him by J. Gregory Kerrison and Associates in lieu of paying his share of well costs out of production. In the event any such owner elects to pay his share of well costs as provided for in this paragraph, he shall remain liable for his share of well costs but shall not be liable for risk charges.

(7) That all proceeds from production from the subject well which are not distributed for any reason shall be placed in escrow in the State of New Mexico, to be paid to the true owner thereof upon demand and proof of ownership. The Commission shall be notified as to the name and address of said escrow agent.

(8) That jurisdiction of this cause is retained and the entry of such further orders as the Commission may deem necessary, upon its own motion, on the day and year hereinbefore.

(6) That the applicant seeks permission to withhold the proceeds from production attributable to each non-consenting working interest until such time as each interest's share of the costs of said well has been recovered, plus 50 percent thereof as a charge for the risk involved in the drilling of the well.

(7) That \$75.00 per month should be fixed as the cost of operating the subject well and each non-consenting working interest owner should be assessed with his share of such cost, to be paid out of production.

(8) That the applicant should furnish the Commission and each known non-consenting working interest owner in the subject unit an itemized schedule of well costs within 30 days following the date of completion of the subject well.

(9) That any non-consenting working interest owner should be afforded the opportunity to pay his share of well costs within 30 days from the date the schedule of well costs is furnished him by the applicant in lieu of paying his share of costs out of production.

(10) That any non-consenting working interest owner not electing to pay his share of well costs within 30 days from the date said schedule is furnished him should have his share of the well costs withheld from production, plus 25 percent thereof as a reasonable charge for the risk involved in drilling the well.

(11) That all proceeds from production from the subject well which are not disbursed for any reason should be placed in escrow in Rio Arriba County, New Mexico, to be paid to the true owner thereof upon demand and proof of ownership.

(12) That J. Gregory Marrion and Associates should be designated the operator of the subject well until its date of completion; that Kay Kimbell should be designated the operator of the well and the proration unit prospectively from the date the well is completed.

IT IS THEREFORE ORDERED:

(1) That all mineral interests, whatever they may be, in the Basin-Dakota Gas Pool in the N/2 of section 35, Township 25 North, Range 6 West, NMPM, Rio Arriba County, New Mexico, are hereby pooled to form a 320-acre gas proration unit. Said unit shall be dedicated to a well to be located in the SW/4 SW/4 of said Section 35.

(2) That J. Gregory Marrion and Associates is hereby designated the operator of said well until its date of completion; thereafter Kay Kimbell shall be designated the operator of said well and proration unit.

(b) That the applicant seeks permission to publish and distribute his book, "The American Revolution: A History," in the United States and to sell the same in the United States and to export the same to other countries, and that the applicant seeks permission to publish and distribute his book, "The American Revolution: A History," in the United States and to sell the same in the United States and to export the same to other countries, and that the applicant seeks permission to publish and distribute his book, "The American Revolution: A History," in the United States and to sell the same in the United States and to export the same to other countries.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-19-2010 BY 60322 UCBAW/BJS

(c) If the applicant should be considered for promotion and such known non-competitive working interest does not exist in the subject, an interest in the subject will be considered for promotion.

(c) That my non-commercially motivated interest in the case was to enable me to see if I could help the Government in its effort to bring the case against the defendant to trial.

101) That any correspondence between Plaintiff and Defendant relating to pay and share of well shall remain confidential and shall not be disclosed to third parties without the written consent of Plaintiff. Plaintiff hereby agrees to keep the contents of this document confidential and shall not disclose the contents of this document to any third party without the written consent of Plaintiff.

1. The following are the names of the persons who are listed in the report of the Committee on the Administration of the Government of the District of Columbia, dated June 1, 1954, as having been employed by the Government of the District of Columbia during the period from January 1, 1953, to December 31, 1953, and who are listed in the report of the Committee on the Administration of the Government of the District of Columbia, dated June 1, 1954, as having been employed by the Government of the District of Columbia during the period from January 1, 1954, to December 31, 1954.

(10) The 4. Gregory Harris and Associates (GHA) was contracted to construct the operation of the subject well until its completion. The GHA was instructed that any Kimball should be designed and operated in the well and the protection will progressively from the time the well is completed.

SECRET

[illegible]

YINXIAN 21. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 2527. 2528. 2529. 2530. 2531. 2532. 2533. 2534. 2535. 2536. 2537. 2538. 2539. 2540. 2541. 2542. 2543. 2544. 2545. 2546. 2547. 2548. 2549. 2550. 2551. 2552. 2553. 2554. 2555. 2556. 2557. 2558. 2559. 2560. 2561. 2562. 2563. 2564. 2565. 2566. 2567. 2568. 2569. 2570. 2571. 2572. 2573. 2574. 2575. 2576. 2577. 2578. 2579. 2580. 2581. 2582. 2583. 2584. 2585. 2586. 2587. 2588. 2589. 2590. 2591. 2592. 2593. 2594. 2595. 2596. 2597. 2598. 2599. 2600. 2601. 2602. 2603. 2604. 2605. 2606. 2607. 2608. 2609. 2610. 2611. 2612. 2613. 2614. 2615. 2616. 2617. 2618. 2619. 2620. 2621. 2622. 2623. 2624. 2625. 2626. 2627. 2628. 2629. 2630. 2631. 2632. 2633. 2634.

(3) That J. Gregory Merrion and Associates is hereby authorized to collect the proceeds from production attributable to each non-consenting working interest until such time as each interest's share of well costs has been recovered, plus 25 percent thereof as a charge for the risk involved in the drilling of the well.

(4) That \$75.00 per month is fixed as the cost of operating the subject well, and Kay Kisbell is hereby authorized to withhold from production the proportionate share of such cost attributable to each non-consenting working interest.

(5) That any unsevered mineral interest shall be considered a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest for the purpose of allocating costs and charges under the terms of this order.

(6) That any well costs or charges which are to be paid out of production shall be withheld only from the working interests' share of production, and no costs or charges shall be withheld from production attributable to royalty interests.

(7) That the applicant shall furnish the Commission and each known non-consenting working interest owner in the subject unit an itemized schedule of well costs within 30 days following the date of completion of the subject well.

(8) That any non-consenting working interest owner shall have the right to pay his share of well costs to J. Gregory Merrion and Associates within 30 days from the date the schedule of well costs is furnished him by J. Gregory Merrion and Associates, in lieu of paying his share of well costs out of production. In the event any such owner elects to pay his share of well costs as provided for in this paragraph, he shall remain liable for operating costs but shall not be liable for risk charges.

(9) That all proceeds from production from the subject well which are not disbursed for any reason shall be placed in escrow in Rio Arriba County, New Mexico, to be paid to the true owner thereof upon demand and proof of ownership. The Commission shall be notified as to the name and address of said escrow agent.

(10) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

S E A L

A. L. PORTER, Jr., Member & Secretary

esr/

10-1-1954
10-1-1954
10-1-1954

(1) That the Gregory Partition and Associates is hereby authorized to collect the proceeds from production attributable to the non-concessing working interest owned by Gregory Partition and Associates, and to pay the same to the owner of the well costs as herein provided, and to pay the same to the owner of the well costs as herein provided, and to pay the same to the owner of the well costs as herein provided.

(2) That \$75.00 per acre is fixed as the net proceeds of the subject well, and Kay Kinkaid is hereby authorized to execute from production the proportionate share of such net proceeds to each non-concessing working interest.

(3) That any unshared mineral interest shall be owned by the seven-eighths (7/8) working interest and a one-eighth (1/8) working interest for the purpose of allocating costs and proceeds under the terms of this order.

(4) That any well costs or charges which are to be paid out of production shall be withheld only from the working interest share of production, and no costs or charges shall be withheld from production attributable to royalty interests.

(5) That the applicant shall furnish the Commission with each known non-concessing working interest owner in the subject unit as itemized schedule of well costs, within 10 days following the date of completion of the subject well.

(6) That any non-concessing working interest owner shall have the right to pay his share of well costs to D. Gregory Partition and Associates within 10 days from the date the schedule of well costs is furnished him by D. Gregory Partition and Associates, in lieu of paying his share of well costs out of production. In the event any such owner elects to pay his share of well costs as provided for in this paragraph, he shall remain liable for his share of well costs but shall not be liable for risk charges.

(7) That all proceeds from production from the subject well which are not distributed for any reason shall be placed in escrow in the Santa Fe County, New Mexico, to be paid to the true owner thereof upon demand and proof of ownership. The Commission shall be notified as to the name and address of said owner agent.

(8) That jurisdiction of this cause is retained by the County of Santa Fe, New Mexico, and the Commission may issue any order or decree as may be necessary.

Witness my hand and seal of office, on the day and year before first designated.

DEPT. OF REVENUE
NEW MEXICO

WILLIAM A. MURPHY, Chairman

W. A. MURPHY, Secretary

W. A. M.

W. A. MURPHY, Secretary

W. A. M.