

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-2355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☒		GAS WELL ☐		DRY ☐		Other _____	
b. TYPE OF COMPLETION:		NEW WELL ☐		WORK OVER ☐		DEEP-EN ☐		PLUG BACK ☐	
				DIFF. RESVR. ☐		Other		Re-enter dry hole	
2. NAME OF OPERATOR BCO, Inc.									
3. ADDRESS OF OPERATOR P. O. Box 669 Santa Fe, New Mexico 87501									
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations) At surface 660' FNL 660' FEL Sec. 2 T22N R8W At top prod. interval reported below Same At total depth Same									
14. PERMIT NO.					DATE ISSUED				
5. LEASE DESIGNATION AND SERIAL NO. NM- 048989-A									
6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
7. UNIT AGREEMENT NAME									
8. FARM OR LEASE NAME Federal G									
9. WELL NO. 1									
10. FIELD AND POOL, OR WILDCAT Undesignated Gallup									
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 2 T22N R8W N.M.P.M.									
12. COUNTY OR PARISH San Juan					13. STATE New Mexico				
15. DATE SPUDDED Re-entered 4-15-75		16. DATE T.D. REACHED 4-17-75		17. DATE COMPL. (Ready to prod.) 4-30-75		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GR 6901		19. ELEV. CASINGHEAD GR 6901	
20. TOTAL DEPTH, MD & TVD 5157		21. PLUG, BACK T.D., MD & TVD 51		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →		ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Gallup 4784-4950									25. WAS DIRECTIONAL SURVEY MADE Not on re-entry
26. TYPE ELECTRIC AND OTHER LOGS RUN Cement bond log and gamma ray neutron 4-22-75 & cement bond 4-27-75									27. WAS WELL CORED NO
28. CASING RECORD (Report all strings set in well)									
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD			AMOUNT PULLED		
8 5/8	20#	201	12 1/4	200 sacks					
4 1/2	10.5	5157	7 7/8	309 sacks Class B 12% Gel					
				250 sacks Class B Squeezed					
				125 sacks Class B over pay					
29. LINER RECORD					30. TUBING RECORD				
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)		
					2 3/8	4950	NONE		
31. PERFORATION RECORD (Interval, size and number) 4784-4950 w/2 SPF					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				
					DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED		
							1000 gals 15% acid & sand water		
							15% gel frac w/175,000#s 10-20		
							sand & 103070 gallons per attached Halliburton report.		
33.* PRODUCTION									
DATE FIRST PRODUCTION 4-30-75		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) swab-flowing					WELL STATUS (Producing or shut-in) Producing		
DATE OF TEST 5-7-75	HOURS TESTED 15	CHOKE SIZE 1/2"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 75	GAS—MCF. 75	WATER—BBL. 15-frac	GAS-OIL RATIO. 1000		
FLOW. TUBING PRESS. ?	CASING PRESSURE 565	CALCULATED 24-HOUR RATE →	OIL—BBL. 120	GAS—MCF. 120	WATER—BBL. 24-frac	OIL GRAVITY-API (CORR.) 38			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented-							TEST WITNESSED BY H. L. Bigbee		
35. LIST OF ATTACHMENTS Halliburton frac report 4-29-75, CBL & GRN dated 4-22-75 CBL 4-30 to be furnished later.									
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records									
SIGNED <u>H. L. Bigbee</u>				TITLE <u>President</u>			DATE <u>5-8-75</u>		

* (See Instructions and Spaces for Additional Data on Reverse Side)

DIVISION OF INVESTIGATION

HALLIBURTON	715-244-5701	204
LOCATION	602-244-5701	203

BILLED ON
TICKET NO

25513

[illegible]

WELL DATA

FIELD <u>WOLF CREEK</u>		SEC. <u>2</u>	TWP. <u>22</u>	RNG. <u>2</u>	COUNTY <u>SAN JUAN</u>	STATE <u>N.M.</u>
FORMATION NAME <u>SABERT</u>		TYPE <u>SAND</u>				
FORMATION THICKNESS _____		FROM <u>445</u>	TO <u>480</u>			
INITIAL PROD. OIL _____	BPD. WATER _____	BPD. GAS _____	MCFD _____			
PRESENT PROD. OIL _____	BPD. WATER _____	BPD. GAS _____	MCFD _____			
COMPLETION DATE _____		MUD TYPE _____	MUD WT. _____			
PACKER TYPE _____		SET AT _____				
BOTTOM HOLE TEMP. _____		PRESSURE _____				
MISC. DATA _____						

	NEW USED	SIZE	FROM	TO	WEIGHT	MAXIMUM PSI ALLOWABLE
CASING		4 1/2	0	5000	11.5	3800
LINER						
TUBING						
OPEN HOLE					TOTAL DEPTH:	
PERFORATIONS			474	480	2	SHOTS/FT.
PERFORATIONS						SHOTS/FT.
PERFORATIONS						SHOTS/FT.

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
ROPE END PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

[illegible]

JOB DATA

CALLED OUT		ON LOCATION		JOB STARTED		JOB COMPLETED	
DATE	4/24/75	DATE	4/25/75	DATE	4/29/75	DATE	4/29/75
TIME	1840	TIME	0825	TIME	1330	TIME	1550

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
10000	0743 B301	WALL MOUNTED
10001	0744 B3	WALL MOUNTED
10002	0745 B3	WALL MOUNTED
10003	0746 B3	WALL MOUNTED
10004	0747 B3	WALL MOUNTED
10005	0748 B3	WALL MOUNTED
10006	0749 B3	WALL MOUNTED
10007	0750 B3	WALL MOUNTED
10008	0751 B3	WALL MOUNTED
10009	0752 B3	WALL MOUNTED
10010	0753 B3	WALL MOUNTED
10011	0754 B3	WALL MOUNTED
10012	0755 B3	WALL MOUNTED
10013	0756 B3	WALL MOUNTED
10014	0757 B3	WALL MOUNTED
10015	0758 B3	WALL MOUNTED
10016	0759 B3	WALL MOUNTED
10017	0760 B3	WALL MOUNTED
10018	0761 B3	WALL MOUNTED
10019	0762 B3	WALL MOUNTED
10020	0763 B3	WALL MOUNTED
10021	0764 B3	WALL MOUNTED
10022	0765 B3	WALL MOUNTED
10023	0766 B3	WALL MOUNTED
10024	0767 B3	WALL MOUNTED
10025	0768 B3	WALL MOUNTED
10026	0769 B3	WALL MOUNTED
10027	0770 B3	WALL MOUNTED
10028	0771 B3	WALL MOUNTED
10029	0772 B3	WALL MOUNTED
10030	0773 B3	WALL MOUNTED
10031	0774 B3	WALL MOUNTED
10032	0775 B3	WALL MOUNTED
10033	0776 B3	WALL MOUNTED
10034	0777 B3	WALL MOUNTED
10035	0778 B3	WALL MOUNTED
10036	0779 B3	WALL MOUNTED
10037	0780 B3	WALL MOUNTED
10038	0781 B3	WALL MOUNTED
10039	0782 B3	WALL MOUNTED
10040	0783 B3	WALL MOUNTED
10041	0784 B3	WALL MOUNTED
10042	0785 B3	WALL MOUNTED
10043	0786 B3	WALL MOUNTED
10044	0787 B3	WALL MOUNTED
10045	0788 B3	WALL MOUNTED
10046	0789 B3	WALL MOUNTED
10047	0790 B3	WALL MOUNTED
10048	0791 B3	WALL MOUNTED
10049	0792 B3	WALL MOUNTED
10050	0793 B3	WALL MOUNTED
10051	0794 B3	WALL MOUNTED
10052	0795 B3	WALL MOUNTED
10053	0796 B3	WALL MOUNTED
10054	0797 B3	WALL MOUNTED
10055	0798 B3	WALL MOUNTED
10056	0799 B3	WALL MOUNTED
10057	0800 B3	WALL MOUNTED
10058	0801 B3	WALL MOUNTED
10059	0802 B3	WALL MOUNTED
10060	0803 B3	WALL MOUNTED
10061	0804 B3	WALL MOUNTED
10062	0805 B3	WALL MOUNTED
10063	0806 B3	WALL MOUNTED
10064	0807 B3	WALL MOUNTED
10065	0808 B3	WALL MOUNTED
10066	0809 B3	WALL MOUNTED
10067	0810 B3	WALL MOUNTED
10068	0811 B3	WALL MOUNTED
10069	0812 B3	WALL MOUNTED
10070	0813 B3	WALL MOUNTED
10071	0814 B3	WALL MOUNTED
10072	0815 B3	WALL MOUNTED
10073	0816 B3	WALL MOUNTED
10074	0817 B3	WALL MOUNTED
10075	0818 B3	WALL MOUNTED
10076	0819 B3	WALL MOUNTED
10077	0820 B3	WALL MOUNTED
10078	0821 B3	WALL MOUNTED
10079	0822 B3	WALL MOUNTED
10080	0823 B3	WALL MOUNTED
10081	0824 B3	WALL MOUNTED
10082	0825 B3	WALL MOUNTED
10083	0826 B3	WALL MOUNTED
10084	0827 B3	WALL MOUNTED
10085	0828 B3	WALL MOUNTED
10086	0829 B3	WALL MOUNTED
10087	0830 B3	WALL MOUNTED
10088	0831 B3	WALL MOUNTED
10089	0832 B3	WALL MOUNTED
10090	0833 B3	WALL MOUNTED
10091	0834 B3	WALL MOUNTED
10092	0835 B3	WALL MOUNTED
10093	0836 B3	WALL MOUNTED
10094	0837 B3	WALL MOUNTED
10095	0838 B3	WALL MOUNTED
10096	0839 B3	WALL MOUNTED
10097	0840 B3	WALL MOUNTED
10098	0841 B3	WALL MOUNTED
10099	0842 B3	WALL MOUNTED
10100	0843 B3	WALL MOUNTED

DEPARTMENT OF THE ARMY

DESCRIPTION OF JOB: 1. 100% 2. 100% 3. 100% 4. 100% 5. 100% 6. 100% 7. 100% 8. 100% 9. 100% 10. 100% 11. 100% 12. 100% 13. 100% 14. 100% 15. 100% 16. 100% 17. 100% 18. 100% 19. 100% 20. 100% 21. 100% 22. 100% 23. 100% 24. 100% 25. 100% 26. 100% 27. 100% 28. 100% 29. 100% 30. 100% 31. 100% 32. 100% 33. 100% 34. 100% 35. 100% 36. 100% 37. 100% 38. 100% 39. 100% 40. 100% 41. 100% 42. 100% 43. 100% 44. 100% 45. 100% 46. 100% 47. 100% 48. 100% 49. 100% 50. 100% 51. 100% 52. 100% 53. 100% 54. 100% 55. 100% 56. 100% 57. 100% 58. 100% 59. 100% 60. 100% 61. 100% 62. 100% 63. 100% 64. 100% 65. 100% 66. 100% 67. 100% 68. 100% 69. 100% 70. 100% 71. 100% 72. 100% 73. 100% 74. 100% 75. 100% 76. 100% 77. 100% 78. 100% 79. 100% 80. 100% 81. 100% 82. 100% 83. 100% 84. 100% 85. 100% 86. 100% 87. 100% 88. 100% 89. 100% 90. 100% 91. 100% 92. 100% 93. 100% 94. 100% 95. 100% 96. 100% 97. 100% 98. 100% 99. 100% 100. 100% 101. 100% 102. 100% 103. 100% 104. 100% 105. 100% 106. 100% 107. 100% 108. 100% 109. 100% 110. 100% 111. 100% 112. 100% 113. 100% 114. 100% 115. 100% 116. 100% 117. 100% 118. 100% 119. 100% 120. 100% 121. 100% 122. 100% 123. 100% 124. 100% 125. 100% 126. 100% 127. 100% 128. 100% 129. 100% 130. 100% 131. 100% 132. 100% 133. 100% 134. 100% 135. 100% 136. 100% 137. 100% 138. 100% 139. 100% 140. 100% 141. 100% 142. 100% 143. 100% 144. 100% 145. 100% 146. 100% 147. 100% 148. 100% 149. 100% 150. 100% 151. 100% 152. 100% 153. 100% 154. 100% 155. 100% 156. 100% 157. 100% 158. 100% 159. 100% 160. 100% 161. 100% 162. 100% 163. 100% 164. 100% 165. 100% 166. 100% 167. 100% 168. 100% 169. 100% 170. 100% 171. 100% 172. 100% 173. 100% 174. 100% 175. 100% 176. 100% 177. 100% 178. 100% 179. 100% 180. 100% 181. 100% 182. 100% 183. 100% 184. 100% 185. 100% 186. 100% 187. 100% 188. 100% 189. 100% 190. 100% 191. 100% 192. 100% 193. 100% 194. 100% 195. 100% 196. 100% 197. 100% 198. 100% 199. 100% 200. 100% 201. 100% 202. 100% 203. 100% 204. 100% 205. 100% 206. 100% 207. 100% 208. 100% 209. 100% 210. 100% 211. 100% 212. 100% 213. 100% 214. 100% 215. 100% 216. 100% 217. 100% 218. 100% 219. 100% 220. 100% 221. 100% 222. 100% 223. 100% 224. 100% 225. 100% 226. 100% 227. 100% 228. 100% 229. 100% 230. 100% 231. 100% 232. 100% 233. 100% 234. 100% 235. 100% 236. 100% 237. 100% 238. 100% 239. 100% 240. 100% 241. 100% 242. 100% 243. 100% 244. 100% 245. 100% 246. 100% 247. 100% 248. 100% 249. 100% 250. 100% 251. 100% 252. 100% 253. 100% 254. 100% 255. 100% 256. 100% 257. 100% 258. 100% 259. 100% 260. 100% 261. 100% 262. 100% 263. 100% 264. 100% 265. 100% 266. 100% 267. 100% 268. 100% 269. 100% 270. 100% 271. 100% 272. 100% 273. 100% 274. 100% 275. 100% 276. 100% 277. 100% 278. 100% 279. 100% 280. 100% 281. 100% 282. 100% 283. 100% 284. 100% 285. 100% 286. 100% 287. 100% 288. 100% 289. 100% 290. 100% 291. 100% 292. 100% 293. 100% 294. 100% 295. 100% 296. 100% 297. 100% 298. 100% 299. 100% 300. 100% 301. 100% 302. 100% 303. 100% 304. 100% 305. 100% 306. 100% 307. 100% 308. 100% 309. 100% 310. 100% 311. 100% 312. 100% 313. 100% 314. 100% 315. 100% 316. 100% 317. 100% 318. 100% 319. 100% 320. 100% 321. 100% 322. 100% 323. 100% 324. 100% 325. 100% 326. 100% 327. 100% 328. 100% 329. 100% 330. 100% 331. 100% 332. 100% 333. 100% 334. 100% 335. 100% 336. 100% 337. 100% 338. 100% 339. 100% 340. 100% 341. 100% 342. 100% 343. 100% 344. 100% 345. 100% 346. 100% 347. 100% 348. 100% 349. 100% 350. 100% 351. 100% 352. 100% 353. 100% 354. 100% 355. 100% 356. 100% 357. 100% 358. 100% 359. 100% 360. 100% 361. 100% 362. 100% 363. 100% 364. 100% 365. 100% 366. 100% 367. 100% 368. 100% 369. 100% 370. 100% 371. 100% 372. 100% 373. 100% 374. 100% 375. 100% 376. 100% 377. 100% 378. 100% 379. 100% 380. 100% 381. 100% 382. 100% 383. 100% 384. 100% 385. 100% 386. 100% 387. 100% 388. 100% 389. 100% 390. 100% 391. 100% 392. 100% 393. 100% 394. 100% 395. 100% 396. 100% 397. 100% 398. 100% 399. 100% 400. 100% 401. 100% 402. 100% 403. 100% 404. 100% 405. 100% 406. 100% 407. 100% 408. 100% 409. 100% 410. 100% 411. 100% 412. 100% 413. 100% 414. 100% 415. 100% 416. 100% 417. 100% 418. 100% 419. 100% 420. 100%

JOB DONE THRU: TUBING ☐ CASING ☐ ANNULUS ☐ THG./ANN. ☐

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON
OPERATOR

COPIES
REQUESTED

CEMENT DATA

[illegible]

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____		DISPLACEMENT _____		PREFLUSH: BBL-GAL. _____		VOLUMES _____		TYPE _____	
BREAKDOWN _____		MAXIMUM _____		LOAD & BKDN: BBL-GAL. _____		PAD: BBL-GAL. _____		_____	
OVERAGE _____		FRACTURE GRADIENT _____		TREATMENT: BBL-GAL. _____		DISPL: BBL-GAL. _____		_____	
MUTINI INSTANT _____		5-MIN. _____		15-MIN. _____		CEMENT SLURRY: BBL-GAL. _____		_____	
_____		HYDRAULIC HORSEPOWER _____		TOTAL VOLUME: BBL-GAL. _____		REMARKS _____		_____	
_____		AVAILABLE _____		USED _____		_____		_____	
_____		AVERAGE RATES IN BPM _____		_____		_____		_____	
CIRCUITING _____		DISPL. _____		OVERALL _____		_____		_____	
_____		CEMENT LEFT IN PIPE _____		_____		_____		_____	
REASON _____		_____		_____		_____		_____	

CUSTOMER

JOE LOG

PAGE NO. 1 of 1

DATE 07/07/55

JOB TYPE SALES REPRESENTATIVE

00000000

800, lbs.
 Federal G-1
 Weight 76800
 4-20-75

Downward
 Start 100
 End in
 Start 1000
 End at 100

Stop time
 100,000

Start at 1 1/2
 1 1/2 on form

Testing

End at 100
 100,000

Testing

Testing

Pressure

Treating

Treating

Treating

Treating

170,000# sand in

Start flush

Job completed

