

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ Helium ☒ other ☐
2. NAME OF OPERATOR
S. E. R. H., Inc.
3. ADDRESS OF OPERATOR
P. O. Box 312, Otis, Kansas 67565
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 790' INL; 990' FWL NW/4 NW/4
AT TOP PROD. INTERVAL: same Unit D
AT TOTAL DEPTH: same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
N00-C-14-20-4158
6. INDIAN, ALLOTTEE OR TRIBE NAME
Navajo
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Navajo 32
9. WELL NO.
3-32
10. FIELD OR WILDCAT NAME
Beautiful Mountain
11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA
32-27N-19W NMPM
12. COUNTY OR PARISH 13. STATE
San Juan New Mexico
14. API NO.
15. ELEVATIONS (SHOW OF, KDE, AND WD)
5856' Cr.; 5869' KB

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) ☐

RECEIVED

AUG 21 1985

Report is results of multiple completion or zone change on Form 9-330.

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

To temporary abandon per telephone approval, Errol Beecher, Approx. 2:30 PM 8-15-85.

Drilled 7-7/8" hole to 6132'. Fresh water and 9.74/gal; 56 vis.; wL 3 cc. 8-15-85
Kam Gearhart DILL; GR/CD/N & RHC sonic logs. Operator desired not to run casing at this time. To temporarily plug for possible re-entry in near future. Tops: Wingate 1538'; Chinle 1865'; Shinarump 2770'; DeChelly 3156'; Organ Rock 3685'; Barker Creek 5573'; Miss. 5887'; Devonian 6082'.

Spot cement plugs by HOWCO as follows with 9.74/gal mud between plugs. All Cl. B neat cement. Through open end drill pipe.

#1 5720' back to 5620' w/55 sx.; #2 3735' back to 3635' w/55 sx.;
#3 2820' back to 2720' w/80 sx.; #4 1550' back to 1450' w/55 sx.. 8-5/8"
casing is set @ 1493' & cemented to surface. Plan to place steel cap on 8-5/8"
until determined if well will be re-entered. Pits fenced and location cleaned

Subsurface Safety Valve: Manual and Type

of debris for present time.

18. I hereby certify that the foregoing is true and correct.

SIGNED John M. Heller TITLE Field Agent DATE August 19, 1985
John M. Heller P. O. Box 1502, Durango, Colo. 81302

(This space for Federal or State official use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY.

This Approval Or Temporary
Abandonment Expires 11-22-85

NMOCC

RECEIVED
AUG 23 1985
BL CON. DIV.
DIST. 3APPROVED
AS AMENDED

AUG 22 1985
John M. Heller
M. MILLENBACH
AREA MANAGER



A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

DHM 1008 R-4

ATTACH TO
INVOICE & TICKET NO.

DISTRICT FAIRBANKS DATE 10/1/77

BY: **HALLIBURTON SERVICES**

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO

(CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 5220 LEASE 1000000 SEC. 10 TWP. 10 RANGE 100

FIELD 1000000 COUNTY 1000000 STATE 1000000 OWNED BY 1000000

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	CASING	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO	LINER						
ACKER: TYPE	SET AT	TUBING						
TOTAL DEPTH <u>5220</u>	MUD WEIGHT	OPEN HOLE						SHOTS/FT.
ORE HOLE		PERFORATIONS						
INITIAL PROD: OIL BPD, H ₂ O BPD, GAS MCF		PERFORATIONS						
PRESENT PROD: OIL BPD, H ₂ O BPD, GAS MCF		PERFORATIONS						

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED

Plug Well To Annulus 1000000 1000000 1000000

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- Halliburton shall not be responsible for and Customer shall secure Halliburton against any and all damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton. This provision applies to but not limited to surface damage or surface damage arising from subsurface damage.
- Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage or property damage arising from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- Customer shall at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the negligence of Halliburton.
- Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
- Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the refunding to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- Invoices payable NET by the 20th of the following month after date of invoice to the Customer's designated payment of Customer's account by the last day of the month following the month in which the invoice is dated. Customer agrees to pay interest thereon after default at a rate that shall not be less than the applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and to pay in addition a sum of 20% of the amount of the unpaid account.
- This contract shall be governed by the law of the state where services are performed or products or materials are furnished.
- Halliburton shall not be bound by any changes or modifications of this contract except where such changes or modifications are made in writing by a duly authorized executive officer of Halliburton.

HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT
THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED 10/1/77 CUSTOMER

DATE 10/1/77

TIME 10:00 A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with
the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

CALLIBURTON SERVICES JOB LOG

WELL NO. _____ LEASE _____ TICKET NO. _____

CUSTOMER PAGE NO.

JOB TYPE *6-11* DATE *7-1-55*

ORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				A	C	TOURING	CASING	
172								
0000								
0007	5	10	-					
0013	5	11 1/4	-					
0017	5	7 1/2	-					
0022								
0027	5	12	-					
0030	5	11 1/4	-					
0035	5 1/2	47	-					
0040								
0045	5	11	-					
0050	5	11 1/2	-					
0051	5	21	-					
0046								
0045	5	11	-					
0048	5	11 1/2	-					
0050	5	15	-					
0053								
0050								

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, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 26

JOB SUMMARY

FORM 1018

HALLIBURTON
LOCATION

SILLED ON
TICKET NO. 72076

WELL DATA

FIELD	SEC. 12	TWP. 2 N	RNG. 10 E	COUNTY	STATE
FORMATION NAME	TYPE				
FORMATION THICKNESS	FROM TO				
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	TOTAL DEPTH				

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	DATE	DATE	DATE
TIME	TIME	TIME	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION

MATERIALS

TREAT. FLUID	DENSITY	LB/GAL. API
DISPL. FLUID	DENSITY	LB/GAL. API
PROP. TYPE	SIZE	LB.
PROP. TYPE	SIZE	LB.
ACID TYPE	GAL.	
ACID TYPE	GAL.	
ACID TYPE	GAL.	
SURFACTANT TYPE	GAL.	IN
RE AGENT TYPE	GAL.	IN
FLUID LOSS ADD. TYPE	GAL./LB.	IN
SELLING AGENT TYPE	GAL./LB.	IN
ERIC. RED. AGENT TYPE	GAL./LB.	IN
BREAKER TYPE	GAL./LB.	IN
BLOCKING AGENT TYPE	GAL./LB.	
PERFPAC BALLS TYPE	QTY.	
OTHER		
OTHER		

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
1	55	WATER	B	PORTLAND			1.18	1.18
2	55	WATER	B	PORTLAND			1.18	1.18
3	55	WATER	B	PORTLAND			1.18	1.18
4	55	WATER	B	PORTLAND			1.18	1.18

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING	DISPLACEMENT	PRESLUSH BBL/GAL.	TYPE
BREAKDOWN	MAXIMUM	LOAD & GRDN. BBL/GAL.	PAID BBL/GAL.
AVERAGE	FRACTURE GRADIENT	TREATMENT BBL/GAL.	DISPL. BBL/GAL.
SHUT-IN INSTANT	5-MIN.	CEMENT SLURRY BBL/GAL.	TOTAL VOLUME BBL/GAL.
HYDRAULIC HORSEPOWER			
ORDERED	AVAILABLE	USED	REMARKS
AVERAGE RATES IN BPM			
CREATING	DISPL.	OVERALL	
CEMENT LEFT IN PIPE			
FEET	REASON		

CUSTOMER

CUSTOMER
DATE
JOB TYPE
WELL NO.
LEASE