

Memo

From

W. A. Gressett
Supervisor

To Dan Nutter
Prior to the approval of the Grayburg
Jackson SA unit this well was the
Jackson B #21 in the sq. Lake Pool and
was produced in the battery with Jackson B
wells #18, 19 + 20.

In order that all of the unit be in
one pool we deleted the NE 1/4 of Sec.
12-17-30 from the sq. Lake and
extended the Grayburg Jackson to include
this area by order 3319.
Now this.

Edmond
Stamets
to have
file
1/1/64
to obtain
convert

RALPH L. GRAY
PETROLEUM ENGINEERING - PRODUCTION
CONSULTANT
P. O. BOX 198
ARTESIA, NEW MEXICO

November 6, 1967

New Mexico Oil Conservation Commission
P. O. Drawer DD
Artesia, New Mexico

107 1.00 0 11.0 11.0

Gentlemen:

Windfohr Oil Company is preparing to dually complete their Grayburg Jackson San Andres Unit Well #38. The Grayburg oil production will be segregated from San Andres portion inasmuch as the Grayburg Jackson Unit is unitized in the San Andres formation only. It is proposed to produce the Grayburg portion into a flow line which will deliver this oil into the Windfohr Jackson "B" tank battery serving wells #18, #19 and #20 located in the SE/4 of Section 1, Township 17 South, Range 30 East.

It is requested that the Commission authorize Windfohr Oil Company to commingle this Grayburg oil with production in the Square Lake Pool.

Yours very truly,


REGISTERED PETROLEUM ENGINEER.

RLG:lw

cc: Mr. Rush Vann
Mr. E. R. McPhaul

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NOV 7 1967

C. E. G.
ARTESIA, OFFICE

RALPH L. GRAY
PETROLEUM ENGINEERING - PRODUCTION
CONSULTANT
302 CARPER BUILDING
ARTESIA, NEW MEXICO

November 6, 1967

New Mexico Oil Conservation Commission
P. O. Drawer DD
Artesia, New Mexico

67 Nov 8 11:11 AM

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Mr. E. R. McPhaul

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NOV 7 1967
J. C. G.
ARTESIA OFFICE

10-11-76

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971) using a Shimadzu 1010 spectrophotometer. The concentration of chlorophylls was expressed as $\mu\text{g mL}^{-1}$ of the sample.

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

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2. $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$ $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$ $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$

Robert L. Taylor
 1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-

[illegible]

(Signature)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC-055264	
2. NAME OF OPERATOR WINDEHR OIL COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1202 First National Bank Bldg., Fort Worth, Texas 76102		7. UNIT AGREEMENT NAME Grayburg-Jackson-S.A.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' from North and East lines of Sec. 12-17S-30E.		8. FARM OR LEASE NAME	
14. PERMIT NO.		9. WELL NO. 38	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3715		10. FIELD AND POOL, OR WILDCAT Grayburg-Jackson-GB-SA	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 12-17S-30E	
		12. COUNTY OR PARISH Eddy	
		13. STATE New Mexico	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	See below <input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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.)*

Notice of Intention to complete well with San Andres being produced separately from Grayburg.

Inasmuch as the San Andres formation is unitized whereas the Grayburg formation is not, it is proposed to dually complete as follows so as to keep oil production from the San Andres separate from the Grayburg.

Run 2 strings of 2" O.D. J-55 oilwell Buttress tubing. These will be set in Baker dual packers set at 3100' and 2920'. Oil from the San Andres will be collected in the present unit tanks. Oil from the Grayburg will be collected with oil from other wells on the Jackson "B" lease in Section 1-17S-30E.

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NOV 7 1967

U. S. G.
ARTESIA, NEW MEXICO

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NOV 2 1967

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED

Ralph L. Gray

TITLE

Consulting Engineer.

DATE Nov. 2, 1967

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

RALPH L. GRAY
PETROLEUM ENGINEERING - PRODUCTION
CONSULTANT
P. O. BOX 198
ARTESIA, NEW MEXICO

November 28, 1967

MAILED
NOV 29 AM 9 00 '67

New Mexico Oil Conservation Commission (3)
P. O. Box #2088
Santa Fe, New Mexico 87501

Gentlemen:

On November 6, 1967, Windfohr Oil Company requested authorization to commingle Grayburg oil produced from the Grayburg Jackson San Andres Unit Well #38 with production in the Square Lake Pool. Recently you requested that additional information as outlined under Rule 303 be submitted.

We are attaching a plat showing the Grayburg Jackson San Andres Unit in which production from the San Andres formation is unitized. Unit Well #38, located in the NE/4 NE/4 of Section 12-17S-30E, is located within this unit. However, we are in the process of dually completing the well so as to segregate oil being produced from the Grayburg formation and this production will be outside of the unit designation. We propose to commingle the Grayburg oil with other wells on the Jackson "B" lease which are located in the SE/4 of Section 1-17S-30E. The approximate location of the San Andres and Grayburg tank batteries are shown on the map as well as the approximate location of flow lines leading to these batteries. Inasmuch as both the Grayburg Jackson and Square Lake Pools include both the Grayburg and San Andres formations, there will be no difference in oil gravities or values. In making the dual completion (this is not a true dual completion in terms of Oil Commission definitions) we propose to run two separate strings of tubing with dual packers so as to segregate San Andres from Grayburg production in order to comply with the terms of the unit agreement.

We are furnishing a copy of this application to the Regional Supervisor of the United States Geological Survey and requesting them to advise you of their approval or disapproval of this commingling.

Yours very truly,


REGISTERED PETROLEUM ENGINEER.

RLG:lw

cc: New Mexico Oil Conservation Commission, Artesia (1)
United States Geological Survey (2) ✓
Mr. E. R. McPhaul (1)
Mr. Rush Vann (1)

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

APR 22 1968
10 01 PM
742747

MAIN OFFICE

P. O. Drawer 1857
Roswell, New Mexico 88201

ILLEGIBLE

April 22, 1968

Windföhr Oil Company
c/o Mr. Ralph Gray
Post Office Box 193
Artesia, New Mexico 88210

Gentlemen:

Your letter of April 3, 1968 requests permanent approval to commingle Grayburg production as outlined in our temporary approval letter of January 5, 1968, from your dually completed well No. 38 Grayburg Jackson (San Andres) Unit, located in the NE1/4 sec. 12 on lease Las Cruces 055264, with Grayburg oil produced from lease MI-2747 in sec. 1, all in T. 17 S., R. 30 E., N.M.P.M., Eddy County, New Mexico.

Reports indicate that the Grayburg production from this well No. 38 Grayburg Jackson (San Andres) Unit has declined to a marginal rate. Therefore, this commingling method is hereby approved subject to like approval by the New Mexico Oil Conservation Commission.

Sincerely yours,

(CRS. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc: N.M.O.C.C., Santa Fe
Artesia (3) ✓
Roswell
Accounts

APR 24 1968
NOTED

NOTED
APR 26 1968
SAUNDERS

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APR 24 1968
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO