

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-B455.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____		5. LEASE DESIGNATION AND SERIAL NO. #14-20-0603-8534	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
2. NAME OF OPERATOR Amrad Petroleum Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Box 1469, Durango, Colorado		8. FARM OR LEASE NAME Navajo Tract #381	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface Center of SE$\frac{1}{4}$ of SW$\frac{1}{4}$, 640' FSL & 640' FSL, Sec. 5, T-26N, R-19W, San Juan County, New Mexico At top prod. interval reported below At total depth		9. WELL NO. 1	
14. PERMIT NO.		DATE ISSUED	
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 5, 26N, 19W Beautiful Mountain Area	
12. COUNTY OR PARISH San Juan		13. STATE New Mexico	
15. DATE SPUDDED 3/10/65	16. DATE T.D. REACHED 4/8/65	17. DATE COMPL. (Ready to prod.) Dry Hole - Plugged	18. ELEVATIONS (DF, RKB, ET, GE, ETC.)* GR 3933', & KB 3946'
19. ELEV. CASINGHEAD 3933'		20. TOTAL DEPTH, MD & TVD 6310'	
21. PLUG, RACK T.D., MD & TVD Dry Hole - Plugged		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY 0' to 6310'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None	
25. WAS DIRECTIONAL SURVEY MADE None		26. TYPE ELECTRIC AND OTHER LOGS RUN Induction-ES, Gamma Ray-Monten & Caliper, Integrated Sonic Logs	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE 9-5/8"	WEIGHT, LB./FT. 32.30	DEPTH SET (MD) 992'	HOLE SIZE 12-1/4"
CEMENTING RECORD 400 Sacks Reg. Cement		AMOUNT PULLED None	
29. LINER RECORD			
SIZE None	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE None	DEPTH SET (MD)		PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) None			
32. ACID, SHOT, FRACTURE, CEMENT, GEL, ETC. DEPTH INTERVAL (MD) None			
AMOUNT AND TYPE OF MATERIAL USED			
33.* PRODUCTION			
DATE FIRST PRODUCTION Dry Hole		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
WELL STATUS (Producing or shut-in)			
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
OIL—BBL.		GAS—MCF.	WATER—BBL.
GAS-OIL RATIO			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.
GAS—MCF.		WATER—BBL.	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY			
35. LIST OF ATTACHMENTS Drill Stem Tests and Plugging Report			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED E. C. Murphy		TITLE Field Clerk	
DATE 4/14/65			

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

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INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 20 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form. see item 35.

Item 4: If there are no applicable State requirements, local requirements, local orders on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions. Consult local State

Item 18: Indicate what elevation is used as a reference ~~where~~ not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom (s) and name (s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Be certain to add item 29a.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
3/23/65 - DST #1 -	Tested from 4804' to 4864', Upper Hermosa Zone, 4 Hr. Test, 4-1/2" IF. No Water Cushion, 3/4" Btm. & 1" Top Opening In Tool. Opened tool, had a strong blow of air immediately and non-flammable gas. Gas vol. increased to 169 MCF Daily Rate in 30 Min., and decreased to 105 MCF Daily Rate in first hour and stayed @ 105 MCF for remainder of test. Closed tool for 90 Min. MFP. Pulled packers loose, recovered 280' (1.49 Bbls.) of gas cut drlg. mud, no show of oil or water. INF 26925, IPT 1354, FPP 1084, 10 Min. MFP 18404, 20 Min. 20014, 30 Min. 23884, 40 Min. 23734, 50 Min. 24134, 60 Min. 24434, 70 Min. 24834, 80 Min. 24964, 90 Min. 25074 & FPP 26924.			Upper Hermosa Zone	146'	
				DeWitt	293'	
				Harrison	1374'	
				Estada	2091'	
				China	2870'	
				Monmouth	3034'	
				BeChally	3690'	
				Organ Rock	4767'	
				Upper Hermosa	5307'	
				Paradox "C"	5464'	
				Lower Hermosa	5761'	
				Molas	5781'	
				Mississippi	5924'	
				Ogallala	5964'	
				Elbert	6111'	
				McCracken	6234'	
				Aneth	6290'	
				PreCambrian		
3/27/65 - DST #2 -	Tested from 5375' to 5406', Hermosa Zone, 4 Hr. Test, 4-1/2" IF. No Water Cushion, 3/4" Btm. & 1" Top Opening In Tool. Opened tool, had a strong blow of air immediately and continued throughout test. Vol. too small to measure. Closed tool for 90 Min. MFP. Pulled packers loose, recovered 15' (.08 Bbls.) of drlg. mud, no show of oil, gas or water. INF 25624, IPT 56, FPP 56, 90 Min. MFP 110 and FPP 25624.					

CONTINUED ON ATTACHED SHEET.

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3/30/65 - DST #3 - Tested from 3560' to 5751', Upper Paradox Zone, 4 Hr. Test, 4-1/2" DP, No Water Cushion, 3/4" Btm. & 1" Top Opening In Tool. Opened tool, had a strong blow of air immediately & increased to 16 MCF Daily Rate, at end of first hr. Gas to surface in 30 min., gas vel. started gradually and decreased after 1-1/2 hrs., vel. too small to measure after 2-1/2 hrs., but had good blow for remainder of test. Gas would flare briefly and go out. Closed tool for 90 min. BHP. Recovered 387' (2.03 Bbls.) gas cut drlg. mud, no show of oil or water. IHP 3233#, IFF 135#, FFP 136#, 10 min. BHP 270#, 20 min. 405#, 30 min. 454#, 40 min. 540#, 50 min. 673#, 60 min. 807#, 70 min. 941#, 80 min. 1075#, 90 min. 1190# & FHP 3233#.

DST #4:

4/2/65 - Tested from 5812' to 5990', Mississippian Zone, 4 Hr. Test, 4-1/2" DP, No Water Cushion, 3/4" Btm. & 1" Top Opening In Tool. Opened tool, had a strong blow immediately, gas to surface in 10 Min., 245 MCF Daily Rate, non-flammable gas, decreased to 186 MCF. Closed tool for 90 Min. BHP. Recovered 981' (7.83 Bbls.) of heavily gas cut drlg. mud, no show of oil or water. IHP 3274#, IFF 392#, FFP 284#, 10 Min. BHP 1477#, 20 Min. 1854#, 30 Min. 1989#, 40 Min. 2111#, 50 Min. 2203#, 60 Min. 2260#, 70 Min. 2313#, 80 Min. 2354#, 90 Min. 2368# & FHP 3260#.

4/6/65 - DST #5 - Tested from 6100' to 6230', McCracken Zone, 4 Hr. Test, 4-1/2" DP, No Water Cushion, 5/8" Btm. & 1" Top Opening In Tool. Opened tool, had a strong blow of air immediately. Non-flammable gas to surface in 28 Min., 87 MCF/Daily Rate, remained strong throughout test. Closed tool for 90 Min. BHP. Pulled packers loose. Recovered 300' (1.49 Bbls.) of gas cut drlg. mud in DC'S, no show of oil or water. IHP 3368#, IFF 108#, FFP 148#, 10 Min. BHP 337#, 20 Min. 351#, 30 Min. 351#, 40 Min. 391#, 50 Min. 633#, 60 Min. 767#, 70 Min. 1276#, 80 Min. 1571#, 90 Min. 1652# & FHP 3299#.

4/8/65 - DST #6 - Tested from 6230' to 6310', Anath Zone, 4 Hr. Test, No Water Cushion, 3/4" Btm. & 1" Top Opening In Tool. Opened tool, air immediately to surface, good blow throughout test. Non-flammable gas to surface in 2-1/2 Hrs., not enough to measure. Closed tool for 90 Min. BHP. Pulled packers loose. Recovered 180' of gas cut drlg. mud, in 4-1/2" DC'S (2.30 Bbls.), 780' of gas cut, slightly mud cut salt water, in DC'S (3.30 Bbls.), no show of oil. IHP 3408#, IFF 267#, FFP 401#, 10 Min. BHP 401#, 20 Min. 668#, 30 Min. 934#, 40 Min. 1068#, 50 Min. 1201#, 60 Min. 1334#, 70 Min. 1468#, 80 Min. 1868#, 90 Min. 2670# & FHP 3408#.

4/9/65 PLUGGING REPORT

6310' Total Depth: Plugged and Abandoned 4/9/65

Cement plugs spotted in well as follows:

80 ex. cement	from 6250' to 6050'	- 200' Plug
40 "	" " 5830' " 5730'	- 100' "
40 "	" " 5450' " 5350'	- 100' "
40 "	" " 3100' " 3000'	- 100' "
40 "	" " 2150' " 2050'	- 100' "
40 "	" " 1050' " 950'	- 100' "

Installed swags & 3" valve on top of 9-5/8" casing. The Navajo Tribe has taken over well for water. Hole has heavy rotary mud between plugs. Plugs spotted as recommended by Mr. John Ward, USGS, Farmington, New Mexico.

WELL HAS BEEN PLUGGED AND ABANDONED

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[illegible][illegible]

1. The first part of the document is a letter from the author to the reader, dated 1945. The letter is written in a personal and informal style, and it discusses the author's experiences during the war. The author mentions that he was a member of the 101st Airborne Division and that he was involved in the D-Day invasion of Normandy. He describes the challenges and dangers of the operation, and he expresses his gratitude to the other soldiers who fought alongside him. The letter also touches on the author's feelings about the war and the loss of life.

[illegible]

1. The first part of the report is a general statement of the purpose of the study. The second part is a description of the methods used. The third part is a description of the results. The fourth part is a discussion of the results. The fifth part is a conclusion.

[illegible]

Journal of Management Education 30(6)p. 789-806
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Year	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
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	

1. The first step is to identify the problem. In this case, the problem is that the system is not working properly. The user has reported that the system is not working properly, and the user has provided some information about the problem. The first step is to identify the problem, and the second step is to determine the cause of the problem. The third step is to develop a solution, and the fourth step is to implement the solution. The fifth step is to evaluate the solution, and the sixth step is to document the solution. The seventh step is to communicate the solution, and the eighth step is to monitor the solution. The ninth step is to maintain the solution, and the tenth step is to improve the solution. The eleventh step is to evaluate the solution, and the twelfth step is to document the solution. The thirteenth step is to communicate the solution, and the fourteenth step is to monitor the solution. The fifteenth step is to maintain the solution, and the sixteenth step is to improve the solution. The seventeenth step is to evaluate the solution, and the eighteenth step is to document the solution. The nineteenth step is to communicate the solution, and the twentieth step is to monitor the solution. The twenty-first step is to maintain the solution, and the twenty-second step is to improve the solution. The twenty-third step is to evaluate the solution, and the twenty-fourth step is to document the solution. The twenty-fifth step is to communicate the solution, and the twenty-sixth step is to monitor the solution. The twenty-seventh step is to maintain the solution, and the twenty-eighth step is to improve the solution. The twenty-ninth step is to evaluate the solution, and the thirtieth step is to document the solution. The thirty-first step is to communicate the solution, and the thirty-second step is to monitor the solution. 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The seventy-first step is to maintain the solution, and the seventy-second step is to improve the solution. The seventy-third step is to evaluate the solution, and the seventy-fourth step is to document the solution. The seventy-fifth step is to communicate the solution, and the seventy-sixth step is to monitor the solution. The seventy-seventh step is to maintain the solution, and the seventy-eighth step is to improve the solution. The seventy-ninth step is to evaluate the solution, and the eightieth step is to document the solution. The eighty-first step is to communicate the solution, and the eighty-second step is to monitor the solution. The eighty-third step is to maintain the solution, and the eighty-fourth step is to improve the solution. The eighty-fifth step is to evaluate the solution, and the eighty-sixth step is to document the solution. The eighty-seventh step is to communicate the solution, and the eighty-eighth step is to monitor the solution. The eighty-ninth step is to maintain the solution, and the ninetieth step is to improve the solution. The ninety-first step is to evaluate the solution, and the ninety-second step is to document the solution. The ninety-third step is to communicate the solution, and the ninety-fourth step is to monitor the solution. The ninety-fifth step is to maintain the solution, and the ninety-sixth step is to improve the solution. The ninety-seventh step is to evaluate the solution, and the ninety-eighth step is to document the solution. The ninety-ninth step is to communicate the solution, and the one hundredth step is to monitor the solution.

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IDENTIFICATION OF COUNTRIES WITH HIGH AND LOW RISK