

LOCATE WELL CORRECTLY

U. S. LAND OFFICE  
SERIAL NUMBER **Santa Fe**  
LEASE OR PERMIT TO PROSPECTUNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **The Atlantic Refining Co.** Address **Box 520, Casper, Wyoming**  
Lessor or Tract **Navajo Vto Nav Tribal** Field **Harrodsburg Gallup** State **New Mexico**  
Well No. **Sample 3** Sec. **19** T. **10N** R. **24W** Meridian **N 1/4** County **San Juan**  
Location **1900** ft. <sup>(N)</sup> of **3** Line and **706** ft. <sup>(E)</sup> of **1** Line of **Sec. 19** Elevation **4600.001**  
(Derrick floor relative to spot)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed \_\_\_\_\_ Title **District Clerk**  
Date **3-12-59**

The summary on this page is for the condition of the well at above date.

Commenced drilling **2-26-59**, 19\_\_\_\_ Finished drilling **3-12-59**, 19\_\_\_\_

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from **1300** to **1322** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to **2132** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from **2118** to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<b>8 5/8</b>	<b>24</b>	<b>3</b>	<b>API</b>	<b>111</b>	<b>API</b>				<b>Surface</b>
<b>5 1/2</b>	<b>24</b>	<b>3</b>	<b>API</b>	<b>14,000</b>	<b>API</b>		<b>1300</b>	<b>1322</b>	<b>Oil string</b>
							<b>1300</b>	<b>1322</b>	

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>8 5/8</b>	<b>1412.25</b>	<b>125</b>	<b>pump-plug</b>	<b>9.0</b>	
<b>5 1/2</b>	<b>1474.07</b>	<b>110</b>	<b>pump-plug</b>	<b>9.0</b>	

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_  
The well produced for the first 24 hours \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. **100**  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas **41.0**  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

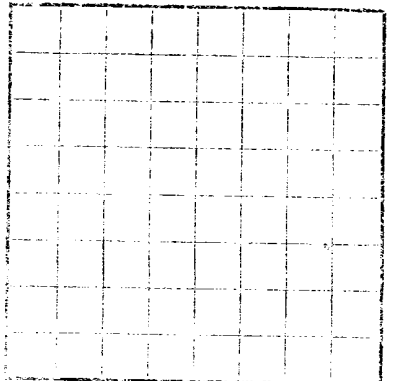
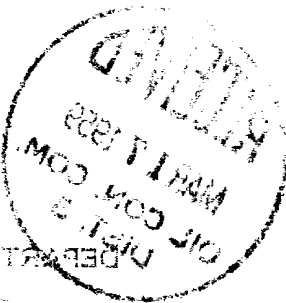
## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<b>0</b>	<b>1270</b>		<b>Shales</b>
<b>1270</b>	<b>1420</b>		<b>Gallup</b>
<b>First Fracture Treatment</b>			
Treated perforations <b>1413-1432</b> with <b>20,000# 10/20 sand</b> and <b>14,028 gals. lease crude</b> . Average treating pressure <b>1300#</b> at <b>39.3 BPN</b> .			
<b>Second Fracture Treatment</b>			
Treated perforations <b>1300-1322</b> with <b>10,000# 10/20 sand</b> and <b>21,168 gals. lease crude</b> . Average treating pressure <b>1000#</b> at <b>42.1 BPN</b> .			

(OVER)

1. The first step is to identify the problem or goal. This involves understanding the current situation and what needs to be achieved.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BIOLOGICAL SERVICE



LOCATE WELL CORRECTLY.

LOG OF CUT NO 242 NEW

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all records in a record.

Commented billing ~~\_\_\_\_\_~~ \_\_\_\_\_  
The summary on this page is for the \_\_\_\_\_  
Date ~~\_\_\_\_\_~~ \_\_\_\_\_

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 01-25-2001 BY 60322 UCBAW

No. 3, Room 100	No. 3, Room 100
No. 3, Room 100	No. 3, Room 100
No. 3, Room 100	No. 3, Room 100

## LOWAR RETAW TRADING

1990-1991	1991-1992	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171	2171-2172	2172-2173	2173-2174	2174-2175	2175-2176	2176-2177	2177-2178	2178-2179	2179-2180	2180-2181	2181-2182	2182-2183	2183-2184	2184-2185	2185-2186	2186-2187	2187-2188	2188-2189	2189-2190	2190-2191	2191-2192	2192-2193	2193-2194	2194-2195	2195-2196	2196-2197	2197-2198	2198-2199	2199-2200	2200-2201	2201-2202	2202-2203	2203-2204	2204-2205	2205-2206	2206-2207	2207-2208	2208-2209	2209-2210	2210-2211	2211-2212	2212-2213	2213-2214	2214-2215	2215-2216	2216-2217	2217-2218	2218-2219	2219-2220	2220-2221	2221-2222	2222-2223	2223-2224	2224-2225	2225-2226	2226-2227	2227-2228	2228-2229	2229-2230	2230-2231	2231-2232	2232-2233	2233-2234	2234-2235	2235-2236	2236-2237	2237-2238	2238-2239	2239-2240	2240-2241	2241-2242	2242-2243	2243-2244	2244-2245	2245-2246	2246-2247	2247-2248	2248-2249	2249-2250	2250-2251	2251-2252	2252-2253	2253-2254	2254-2255	2255-2256	2256-2257	2257-2258	2258-2259	2259-2260	2260-2261	2261-2262	2262-
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CRASHING RECORD

Weight	Weight per foot	Weight per 100 feet	Weight per 1000 feet	Weight per 10000 feet	Weight per 100000 feet	Weight per 1000000 feet
100	100	100	100	100	100	100
200	200	200	200	200	200	200
300	300	300	300	300	300	300
400	400	400	400	400	400	400
500	500	500	500	500	500	500
600	600	600	600	600	600	600
700	700	700	700	700	700	700
800	800	800	800	800	800	800
900	900	900	900	900	900	900
1000	1000	1000	1000	1000	1000	1000
1100	1100	1100	1100	1100	1100	1100
1200	1200	1200	1200	1200	1200	1200
1300	1300	1300	1300	1300	1300	1300
1400	1400	1400	1400	1400	1400	1400
1500	1500	1500	1500	1500	1500	1500
1600	1600	1600	1600	1600	1600	1600
1700	1700	1700	1700	1700	1700	1700
1800	1800	1800	1800	1800	1800	1800
1900	1900	1900	1900	1900	1900	1900
2000	2000	2000	2000	2000	2000	2000
2100	2100	2100	2100	2100	2100	2100
2200	2200	2200	2200	2200	2200	2200
2300	2300	2300	2300	2300	2300	2300
2400	2400	2400	2400	2400	2400	2400
2500	2500	2500	2500	2500	2500	2500
2600	2600	2600	2600	2600	2600	2600
2700	2700	2700	2700	2700	2700	2700
2800	2800	2800	2800	2800	2800	2800
2900	2900	2900	2900	2900	2900	2900
3000	3000	3000	3000	3000	3000	3000
3100	3100	3100	3100	3100	3100	3100
3200	3200	3200	3200	3200	3200	3200
3300	3300	3300	3300	3300	3300	3300
3400	3400	3400	3400	3400	3400	3400
3500	3500	3500	3500	3500	3500	3500
3600	3600	3600	3600	3600	3600	3600
3700	3700	3700	3700	3700	3700	3700
3800	3800	3800	3800	3800	3800	3800
3900	3900	3900	3900	3900	3900	3900
4000	4000	4000	4000	4000	4000	4000
4100	4100	4100	4100	4100	4100	4100
4200	4200	4200	4200	4200	4200	4200
4300	4300	4300	4300	4300	4300	4300
4400	4400	4400	4400	4400	4400	4400
4500	4500	4500	4500	4500	4500	4500
4600	4600	4600	4600	4600	4600	4600
4700	4700	4700	4700	4700	4700	4700
4800	4800	4800	4800	4800	4800	4800
4900	4900	4900	4900	4900	4900	4900
5000	5000	5000	5000	5000	5000	5000
5100	5100	5100	5100	5100	5100	5100
5200	5200	5200	5200	5200	5200	5200
5300	5300	5300	5300			

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or sealing.

## HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

2009-10-09

**FORMATION RECORD—Continued**

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

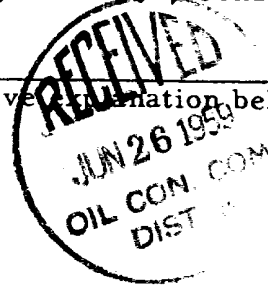
Form C-110  
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator The Atlantic Refining Co. Lease NAVAJO "B"  
Well No. 2 Unit Letter L S 19 T 31N R 16W Pool Horseshoe Gallup  
County San Juan Kind of Lease (State, Fed. or Patented) Federal  
If well produces oil or condensate, give location of tanks: Unit 0 S 19 T 31N R 16W  
Authorized Transporter of Oil or Condensate El Paso Natural Gas Products Co.  
Address Box 1565, Farmington, New Mexico  
(Give address to which approved copy of this form is to be sent)  
Authorized Transporter of Gas None  
Address \_\_\_\_\_ Date Connected \_\_\_\_\_  
(Give address to which approved copy of this form is to be sent)  
If Gas is not being sold, give reasons and also explain its present disposition:  
Volume is too small and is being used for fuel.

Reasons for Filing: (Please check proper box) New Well \_\_\_\_\_ ( )  
Change in Transporter of (Check One): Oil ( ☒ ) Dry Gas ( ) C'head ( ) Condensate ( )  
Change in Ownership \_\_\_\_\_ ( ) Other \_\_\_\_\_ ( )  
Remarks: \_\_\_\_\_ (Give information below)



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 24th day of June 19 59

Approved JUN 26 1959 19

By R. P. Curry  
Title District Clerk

OIL CONSERVATION COMMISSION

Company The Atlantic Refining Co.

By Original Signed Emery C. Arnold

Add. ss Box 520

Title Supervisor Dist. # 3

Casper, Wyoming

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
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