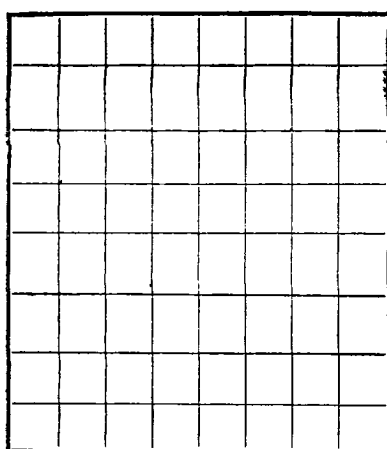


U. S. LAND OFFICE Santa FeSERIAL NUMBER NM 03595LEASE OR PERMIT TO PROSPECT
Elizabeth FederalUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Dorffman Production Company Address 836 Mercantile Dallas Building Dallas 1, Texas
Lessor or Tract Elizabeth Federal Field Escrito (Gallup) State New Mexico
Well No. 3 Sec. 18 T. 24N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1500 ft. N. of N. Line and 790 ft. E. of W. Line of Sec. 18 Elevation 7102'
(Derrick floor relative to sea level)

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 S. L. Florsheim, Jr.Date December 15, 1961S. L. Florsheim, Jr.
Title General Manager

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

Commenced drilling November 5, 1961. Finished drilling November 19, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5917 to 5942 No. 4, from _____ to _____
No. 2, from 5963 to 5970 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8</u>	<u>24</u>	<u>3</u>	<u>Yankee</u>	<u>210'</u>	<u>Guide</u>	<u>5917-5926'</u>			<u>Guiding</u>
<u>4-1/2</u>	<u>13.3</u>	<u>4</u>	<u>Yankee</u>	<u>175-4% gal</u>	<u>Pump</u>	<u>5930-5942'</u>			<u>Production</u>
						<u>5963-5970'</u>			
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>210'</u>	<u>175-2% gal</u>	<u>Pump</u>	<u>-</u>	<u>Full Hole</u>
<u>4-1/2</u>	<u>6038'</u>	<u>175-4% gal</u>	<u>Pump</u>	<u>-</u>	<u>Full Hole</u>

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
<u>5/8"</u>	<u>Bullet</u>		<u>4 per ft</u>	<u>11/28/61</u>	<u>5917-5926'</u>	<u>5985'</u>
					<u>5930-5942'</u>	
					<u>5963-5970'</u>	

TOOLS USED

Rotary tools were used from 0 feet to 6040 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 15, 1961. Put to producing December 4, 1961.The production for the first 24 hours was 220 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 40

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Rutledge Drilling Company, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>2390</u>	<u>2460</u>		<u>Pictured Cliffs</u>
<u>3900</u>	<u>3915</u>		<u>Cliff House</u>
<u>4650</u>	<u>4950</u>		<u>Point Lookout</u>
<u>4950</u>	<u>5722</u>		<u>Marcos Shale</u>
<u>5722</u>	<u>T.D.</u>		<u>Gallup</u>
FROM—	TO—	LOOSE FEET	FORMATION

FORMATION RECORD—Continued

U.S. LAND OFFICE
SERIAL NUMBER
LEASE OF PERMIT TO PROSPECT
Missouri Federal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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

Date December 15, 1961

Signed [Signature]

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

Location 1500 ft. [X] of a line and [X] ft. [X] of a line of [X] sec. 15 Elevation 1100

Well No. 3 Sec. 15 T. 24 R. 14 Meridian County State

Lessor or Tract Elizabeth General Field Barrio (Cul) State San Antonio

Company Dorham Production Company Address Dallas, Texas

No.	Name	Commenced drilling	Completed drilling
19			

(Determine by G)

OIL OR GAS SANDS OR ZONES

No. 1, from	to	2001	No. 4, from	to
No. 2, from	to	2002	No. 5, from	to
No. 3, from	to		No. 6, from	to

IMPORTANT WATER SOUNDS

Transmitted with priority #150000 send and 150000 receive
 tested and sealed off with #65009 and information well cleaned

[illegible]

HISTORY OF OIL OR GAS WELL

[illegible]

MUDDING AND CEMENTING RECORD

Size grading	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
1 1/2"	2000'	172-35 bags	Stump	-	17211 bags
2 1/2"	2100'	172-35 bags	Stump	-	17211 bags

PLUGS AND ADAPTERS

Adapters—A1, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, A49, A50, A51, A52, A53, A54, A55, A56, A57, A58, A59, A60, A61, A62, A63, A64, A65, A66, A67, A68, A69, A70, A71, A72, A73, A74, A75, A76, A77, A78, A79, A80, A81, A82, A83, A84, A85, A86, A87, A88, A89, A90, A91, A92, A93, A94, A95, A96, A97, A98, A99, A100, A101, A102, A103, A104, A105, A106, A107, A108, A109, A110, A111, A112, A113, A114, A115, A116, A117, A118, A119, A120, A121, A122, A123, A124, A125, A126, A127, A128, A129, A130, A131, A132, A133, A134, A135, A136, A137, A138, A139, A140, A141, A142, A143, A144, A145, A146, A147, A148, A149, A150, A151, A152, A153, A154, A155, A156, A157, A158, A159, A160, A161, A162, A163, A164, A165, A166, A167, A168, A169, A170, A171, A172, A173, A174, A175, A176, A177, A178, A179, A180, A181, A182, A183, A184, A185, A186, A187, A188, A189, A190, A191, A192, A193, A194, A195, A196, A197, A198, A199, A200, A201, A202, A203, A204, A205, A206, A207, A208, A209, A210, A211, A212, A213, A214, A215, A216, A217, A218, A219, A220, A221, A222, A223, A224, A225, A226, A227, A228, A229, A230, A231, A232, A233, A234, A235, A236, A237, A238, A239, A240, A241, A242, A243, A244, A245, A246, A247, A248, A249, A250, A251, A252, A253, A254, A255, A256, A257, A258, A259, A260, A261, A262, A263, A264, A265, A266, A267, A268, A269, A270, A271, A272, A273, A274, A275, A276, A277, A278, A279, A280, A281, A282, A283, A284, A285, A286, A287, A288, A289, A290, A291, A292, A293, A294, A295, A296, A297, A298, A299, A300, A301, A302, A303, A304, A305, A306, A307, A308, A309, A310, A311, A312, A313, A314, A315, A316, A317, A318, A319, A320, A321, A322, A323, A324, A325, A326, A327, A328, A329, A330, A331, A332, A333, A334, A335, A336, A337, A338, A339, A340, A341, A342, A343, A344, A345, A346, A347, A348, A349, A350, A351, A352, A353, A354, A355, A356, A357, A358, A359, A360, A361, A362, A363, A364, A365, A366, A367, A368, A369, A370, A371, A372, A373, A374, A375, A376, A377, A378, A379, A380, A381, A382, A383, A384, A385, A386, A387, A388, A389, A390, A391, A392, A393, A394, A395, A396, A397, A398, A399, A400, A401, A402, A403, A404, A405, A406, A407, A408, A409, A410, A411, A412, A413, A414, A415, A416, A417, A418, A419, A420, A421, A422, A423, A424, A425, A426, A427, A428, A429, A430, A431, A432, A433, A434, A435, A436, A437, A438, A439, A440, A441, A442, A443, A444, A445, A446, A447, A448, A449, A450, A451, A452, A453, A454, A455, A456, A457, A458, A459, A460, A461, A462, A463, A464, A465, A466, A467, A468, A469, A470, A471, A472, A473, A474, A475, A476, A477, A478, A479, A480, A481, A482, A483, A484, A485, A486, A487, A488, A489, A490, A491, A492, A493, A494, A495, A496, A497, A498, A499, A500, A501, A502, A503, A504, A505, A506, A507, A508, A509, A510, A511, A512, A513, A514, A515, A516, A517, A518, A519, A520, A521, A522, A523, A524, A525, A526, A527, A528, A529, A530, A531, A532, A533, A534, A535, A536, A537, A538, A539, A540, A541, A542, A543, A544, A545, A546, A547, A548, A549, A550, A551, A552, A553, A554, A555, A556, A557, A558, A559, A560, A561, A562, A563, A564, A565, A566, A567, A568, A569, A570, A571, A572, A573, A574, A575, A576, A577, A578, A579, A580, A581, A582, A583, A584, A585, A586, A587, A588, A589, A590, A591, A592, A593, A594, A595, A596, A597, A598, A599, A600, A601, A602, A603, A604, A605, A606, A607, A608, A609, A610, A611, A612, A613, A614, A615, A616, A617, A618, A619, A620, A621, A622, A623, A624, A625, A626, A627, A628, A629, A630, A631, A632, A633, A634, A635, A636, A637, A638, A639, A640, A641, A642, A643, A644, A645, A646, A647, A648, A649, A650, A651, A652, A653, A654, A655, A656, A657, A658, A659, A660, A661, A662, A663, A664, A665, A666, A667, A668, A669, A670, A671, A672, A673, A674, A675, A676, A677, A678, A679, A680, A681, A682, A683, A684, A685, A686, A687, A688, A689, A690, A691, A692, A693, A694, A695, A696, A697, A698, A699, A700, A701, A702, A703, A704, A705, A706, A707, A708, A709, A710, A711, A712, A713, A714, A715, A716, A717, A718, A719, A720, A721, A722, A723, A724, A725, A726, A727, A728, A729, A730, A731, A732, A733, A734, A735, A736, A737, A738, A739, A740, A741, A742, A743, A744, A745, A746, A747, A748, A749, A750, A751, A752, A753, A754, A755, A756, A757, A758, A759, A760, A761, A762, A763, A764, A765, A766, A767, A768, A769, A770, A771, A772, A773, A774, A775, A776, A777, A778, A779, A780, A781, A782, A783, A784, A785, A786, A787, A788, A789, A790, A791, A792, A793, A794, A795, A796, A797, A798, A799, A800, A801, A802, A803, A804, A805, A806, A807, A808, A809, A810, A811, A812, A813, A814, A815, A816, A817, A818, A819, A820, A821, A822, A823, A824, A825, A826, A827, A828, A829, A830, A831, A832, A833, A834, A835, A836, A837, A838, A839, A840, A841, A842, A
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SHOOTING RECORD

Box	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
2/8	11/25		1	11/25/57	507-508	505
					509-510	
					511-512	

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet to
Cable tools were used from	feet to	feet and from	feet to

DATE

If gas well, cu. ft. per 24 hours		Gallons gasoline per 1,000 cu. ft. of gas	
emulsion; % water; and % sediment.		Gravity, °Bé.	
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%		Put to producing _____ at _____ 19____	
_____ 19____			

EMPLOYEES

Driener		Driener Drilling Company	
Driener		Driener	

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
3250	3450		Wichita Shale
3400	3610		Cliff House
4050	4250		Point of View
4550	4750		Wichita Shale
5250	5450		Cliff

FORMATION RECORD—Continued

4-10093-1-21