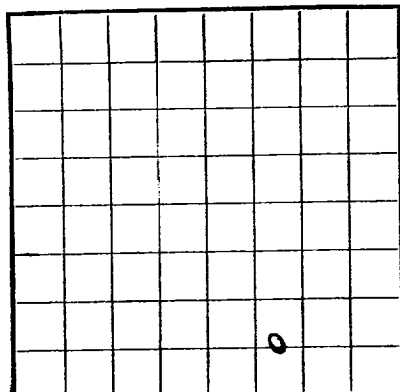


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 058594 (c)
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 16 1957
U. S. GEOLOGICAL
ARTESIA, NEW MEX.

LOG OF OIL OR GAS WELL

Company Western Development Company Address P. O. Box 445, Artesia, N. M.
Lessor or Tract Dale Federal Field Cave State New Mexico
Well No. 1 Sec. 33 T. 16S R. 29E Meridian NMPM County Eddy
Location 660 ft. N. of S Line and 1780 ft. W. of E Line of Sec. 33 Elevation 3597'
(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 J. L. Hammond

Date December 13, 1957 Title Dist. Supt.

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

Commenced drilling October 24, 1957 Finished drilling November 22, 1957

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

No. 1, from 2390 to 2398 No. 4, from _____ to _____
No. 2, from 2407 to 2412 No. 5, from _____ to _____
No. 3, from 2415 to 2419 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 150 to 160 Gyp water No. 3, from _____ to _____
No. 2, from 4 Barrels per hour 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—	
<u>8 5/8</u>	<u>24 1/2</u>	<u>8 rd.</u>	<u>CFLI</u>	<u>315</u>	<u>Reg.</u>	<u>Not</u>	<u>2390</u>	<u>2398</u>	<u>Surface</u>
<u>5 1/2</u>	<u>16 1/2</u>	<u>8 rd.</u>	<u>"</u>	<u>2457</u>	<u>Float</u>	<u>Not</u>	<u>2407</u>	<u>2419</u>	<u>"</u>

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>315</u>	<u>75</u>	<u>Pump</u>	<u>None</u>	<u>None</u>
<u>5 1/2</u>	<u>2457</u>	<u>175</u>	<u>"</u>	<u>"</u>	<u>"</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>Refer to Form 9-331-a filed on November 29, 1957 for completion data.</u>						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2556 feet, and from _____ feet to _____ feet

DATES

Plug Back Depth 2457' Put to producing December 5, 1957
The production for the first 24 hours was 95 barrels of fluid of which 100% was oil; _____ %
emulsion; _____ % water; and 2/10 sediment. Gravity, °Bé. 35.7
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

O. L. Anderson, Driller Jim Hammond, Driller
E. J. Parrish, Driller _____, Driller

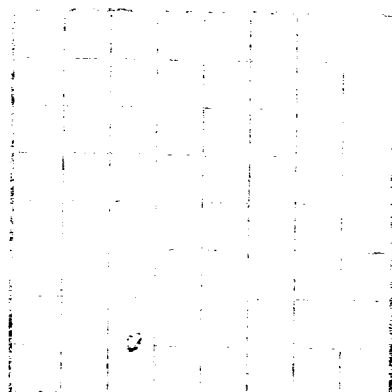
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>265</u>	<u>265</u>	<u>Red Rock</u>
<u>265</u>	<u>685</u>	<u>420</u>	<u>Salt</u>
<u>685</u>	<u>775</u>	<u>90</u>	<u>Anhy. and red shale</u>
<u>775</u>	<u>865</u>	<u>90</u>	<u>Anhy.</u>
<u>865</u>	<u>950</u>	<u>85</u>	<u>Red sand</u>
<u>950</u>	<u>1050</u>	<u>100</u>	<u>Anhy. and red sand</u>
<u>1050</u>	<u>1200</u>	<u>150</u>	<u>Anhy. and lime</u>
<u>1200</u>	<u>1400</u>	<u>200</u>	<u>Anhy.</u>
<u>1400</u>	<u>1550</u>	<u>150</u>	<u>Anhy. and red sand</u>
<u>1550</u>	<u>1580</u>	<u>30</u>	<u>Anhy.</u>
<u>1580</u>	<u>1650</u>	<u>70</u>	<u>Anhy. red sand, red shale</u>
<u>1650</u>	<u>1710</u>	<u>60</u>	<u>Anhy., grey shale, red sand</u>
<u>1710</u>	<u>1840</u>	<u>130</u>	<u>Lime and anhy.</u>
<u>1840</u>	<u>2070</u>	<u>230</u>	<u>Anhy. and red sand</u>
<u>2070</u>	<u>2165</u>	<u>95</u>	<u>Lime and anhy. and red sand</u>
<u>2165</u>	<u>2220</u>	<u>55</u>	<u>Lime</u>
<u>2220</u>	<u>2300</u>	<u>80</u>	<u>Lime and grey sand</u>
<u>2300</u>	<u>2340</u>	<u>40</u>	<u>Red sand and anhy.</u>
<u>2340</u>	<u>2410</u>	<u>70</u>	<u>Lime and red and grey sand</u>
<u>2410</u>	<u>2495</u>	<u>85</u>	<u>Lime</u>
<u>2495</u>	<u>2510</u>	<u>15</u>	<u>Lime and grey sand</u>
<u>2510</u>	<u>2556</u>	<u>46</u>	<u>Lime</u>

Total Depth 2556'

2 copies of Gamma-Neutron logs
submitted with this form.

T. X. 265' T. Premier sd. 2390'
B. X. 685' T. San Andres 2420'
T. Q. 1675'



Y. H. N. 17777, 17778, 17779, 17780, 17781, 17782, 17783, 17784, 17785, 17786, 17787, 17788, 17789, 17790, 17791, 17792, 17793, 17794, 17795, 17796, 17797, 17798, 17799, 17800, 17801, 17802, 17803, 17804, 17805, 17806, 17807, 17808, 17809, 17810, 17811, 17812, 17813, 17814, 17815, 17816, 17817, 17818, 17819, 17820, 17821, 17822, 17823, 17824, 17825, 17826, 17827, 17828, 17829, 17830, 17831, 17832, 17833, 17834, 17835, 17836, 17837, 17838, 17839, 17840, 17841, 17842, 17843, 17844, 17845, 17846, 17847, 17848, 17849, 17850, 17851, 17852, 17853, 17854, 17855, 17856, 17857, 17858, 17859, 17860, 17861, 17862, 17863, 17864, 17865, 17866, 17867, 17868, 17869, 17870, 17871, 17872, 17873, 17874, 17875, 17876, 17877, 17878, 17879, 17880, 17881, 17882, 17883, 17884, 17885, 17886, 17887, 17888, 17889, 17890, 17891, 17892, 17893, 17894, 17895, 17896, 17897, 17898, 17899, 17900, 17901, 17902, 17903, 17904, 17905, 17906, 17907, 17908, 17909, 17910, 17911, 17912, 17913, 17914, 17915, 17916, 17917, 17918, 17919, 17920, 17921, 17922, 17923, 17924, 17925, 17926, 17927, 17928, 17929, 17930, 17931, 17932, 17933, 17934, 17935, 17936, 17937, 17938, 17939, 17940, 17941, 17942, 17943, 17944, 17945, 17946, 17947, 17948, 17949, 17950, 17951, 17952, 17953, 17954, 17955, 17956, 17957, 17958, 17959, 17960, 17961, 17962, 17963, 17964, 17965, 17966, 17967, 17968, 17969, 17970, 17971, 17972, 17973, 17974, 17975, 17976, 17977, 17978, 17979, 17980, 17981, 17982, 17983, 17984, 17985, 17986, 17987, 17988, 17989, 17990, 17991, 17992, 17993, 17994, 17995, 17996, 17997, 17998, 17999, 18000, 18001, 18002, 18003, 18004, 18005, 18006, 18007, 18008, 18009, 18010, 18011, 18012, 18013, 18014, 18015, 18016, 18017, 18018, 18019, 18020, 18021, 18022, 18023, 18024, 18025, 18026, 18027, 18028, 18029, 18030, 18031, 18032, 18033, 18034, 18035, 18036, 18037, 18038, 18039, 18040, 18041, 18042, 18043, 18044, 18045, 18046, 18047, 18048, 18049, 18050, 18051, 18052, 18053, 18054, 18055, 18056, 18057, 18058, 18059, 18060, 18061, 18062, 18063, 18064, 18065, 18066, 18067, 18068, 18069, 18070, 18071, 18072, 18073, 18074, 18075, 18076, 18077, 18078, 18079, 18080, 18081, 18082, 18083, 18084, 18085, 18086, 18087, 18088, 18089, 18090, 18091, 18092, 18093, 18094, 18095, 18096, 18097, 18098, 18099, 18100, 18101, 18102, 18103, 18104, 18105, 18106, 18107, 18108, 18109, 18110, 18111, 18112, 18113, 18114, 18115, 18116, 18117, 18118, 18119, 18120, 18121, 18122, 18123, 18124, 18125, 18126, 18127, 18128, 18129, 18130, 18131, 18132, 18133, 18134, 18135, 18136, 18137, 18138, 18139, 18140, 18141, 18142, 18143, 18144, 18145, 18146, 18147, 18148, 18149, 18150, 18151, 18152, 18153, 18154, 18155, 18156, 18157, 18158, 18159, 18160, 18161, 18162, 18163, 18164, 18165, 18166, 18167, 18168, 18169, 18170, 18171, 18172, 18173, 18174, 18175, 18176, 18177, 18178, 18179, 18180, 18181, 18182, 18183, 18184, 18185, 18186, 18187, 18188, 18189, 18190, 18191, 18192, 18193, 18194, 18195, 18196, 18197, 18198, 18199, 18200, 18201, 18202, 18203, 18204, 18205, 18206, 18207, 18208, 18209, 18210, 18211, 18212, 18213, 18214, 18215, 18216, 18217, 18218, 18219, 18220, 18221, 18222, 18223, 18224, 18225, 18226, 18227, 18228, 18229, 18230, 18231, 18232, 18233, 18234, 18235, 18236, 18237, 18238, 18239, 18240, 18241, 18242, 18243, 18244, 18245, 18246, 18247, 18248, 18249, 18250, 18251, 18252, 18253, 18254, 18255, 18256, 18257, 18258, 18259, 18260, 18261, 18262, 18263, 18264, 18265, 18266, 18267, 18268, 18269, 18270, 18271, 18272, 18273, 18274, 18275, 18276, 18277, 18278, 18279, 18280, 18281, 18282, 18283, 18284, 18285, 18286, 18287, 18288, 18289, 18290, 18291, 18292, 18293, 18294, 18295, 18296, 18297, 18298, 18299, 18300, 18301, 18302, 18303, 18304, 18305, 18306, 18307, 18308, 18309, 18310, 18311, 18312, 18313, 18314, 18315, 18316, 18317, 18318, 18319, 18320, 18321, 18322, 18323, 18324, 18325, 18326, 18327, 18328, 18329, 18330, 18331, 18332, 18333, 18334, 18335, 18336, 18337, 18338, 18339, 18340, 18341, 18342, 18343, 18344, 18345, 18346, 18347, 18348, 18349, 18350, 18351, 18352, 18353, 18354, 18355, 18356, 18357, 18358, 18359, 18360, 1

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, set off 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 balling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-45095-2

[illegible]

FORMATION RECORD—Continued

509-2747