

Case No.

616

Large Exhibits

FORMATION RECORD

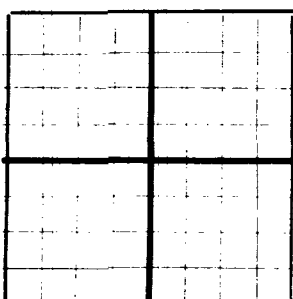
From	to	Thickness in Feet	Formation
0	37	37	Sand Gray
37	70	33	Sand Hard
70	150	80	Sand Water
150	225	75	Shale Pink
225	349	124	Red Red
349	361	12	Shale Pink Gravel, Sand Hard
361	370	9	Sand Hard
370	380	10	Red Red
380	434	54	Sand Gray Hard
434	463	29	Shale Sandy
463	533	70	Sand Hard Gray
533	577	44	Shale Brown Sandy
577	630	53	Shale Sandy
630	650	20	Shale Hard
650	673	23	Lime Shells & Red Red
673	700	27	Lime Shells & Red Red
700	725	25	Shale Sandy
725	754	29	Sand Hard
754	800	46	Shale Sandy
800	825	25	Sand Hard
825	850	25	Shale Sandy
850	875	25	Sand Hard
875	905	30	Sand Hard Red Red
905	985	80	Shale Sandy
985	1000	15	Rock Red
1000	1035	35	Sand Hard
1035	1074	39	Rock Red
1074	1170	95	Rock Red Sticky
1170	1202	32	Rock Red
1202	1300	98	Rock Red Hard
1300	1437	137	Rock Red
1437	1463	26	Gyp
1463	1482	19	Anhydrite
1482	1510	28	Salt (Top Salt 1463)
1510	1581	71	Anhy. Alsd Rock Broken
1581	1668	87	Anhydrite White
1668	1675	7	Salt
1675	1727	52	Salt & Potash
1727	1757	30	Anhydrite
1757	1767	10	Salt
1767	1795	28	Anhydrite White
1795	1831	36	Salt White
1831	1848	17	Anhydrite White
1848	1852	4	Salt White
1852	1871	19	Anhydrite White
1871	1905	34	Salt
1905	1915	10	Salt White
1915	1975	60	Anhydrite White
1975	1995	20	Salt White
1995	2021	26	Anhydrite
2021	2084	63	Salt Broken
2084	2094	10	Salt & Anhydrite
2094	2097	3	Salt
2097	2116	19	Anhydrite White
2116	2189	73	Salt White
2189	2202	13	Anhydrite
2202	2217	15	Salt White & Potash Red
2217	2225	8	Anhydrite
2225	2275	50	Salt White
2275	2300	25	Anhydrite
2300	2445	145	Salt White
2445	2475	30	Anhydrite
2475	2505	30	Salt White
2505	2525	20	Anhydrite
2525	2750	225	Salt White
2750	2780	30	Salt & Anhydrite
2780	2814	34	Anhydrite
2814	2850	36	Salt White
2850	2865	15	Anhydrite
2865	2889	24	Anhydrite White
2889	2919	30	Salt White
2919	2945	26	Anhydrite
2945	2974	29	Salt
2974	2981	7	Anhydrite
2981	3071	90	Salt White
3071	3090	19	Anhydrite
3090	3220	130	Salt
3220	3246	26	Anhydrite
3246	3260	14	Anhydrite & Gyp
3260	3280	20	Anhydrite Hard White
3280	3285	5	Anhydrite
3285	3363	78	Lime Brown (3285 Top)
3363	3404	41	Anhydrite
3404	3426	22	Lime Brown
3426	3430	4	Anhydrite
3430	3439	9	Lime Brown
3439	3457	18	Lime Gray Hard
3457	3478	21	Lime Gray Sandy
3478	3493	15	Lime Brown
3493	3514	21	Lime Sandy White Broken
3514	3523	9	Lime White
3523	3540	17	Lime White Hard
3540	3556	16	Sand Blue
3556	3568	12	Lime White
3568	3576	8	Lime White Hard
3576	3600	24	Lime White (3579-3600 Cored-Placed for Flat Plug)
3600	3603	3	Lime Gray
3603	3607	4	Lime White Hard
3607	3609	2	Lime White Hard
3609	3623	14	Lime White Broken (3621-3623 Cored 11/6/2011)
3623	3645	22	Lime White (Cored 3623-25-Removal 3621-25-Set 7-3645)
3645	3657	12	Lime
3657	3672	15	Lime White Broken & Sand Brown
3672	3677	5	Lime White
3677	3682	5	Lime Brown & Shale
3682	3689	7	Sand, Lime & Shale
3689	3697	8	Lime White
3697	3707	10	Lime White Hard
3707	3724	17	Lime White Crystals (3707-24 Cored)
3724	3726	2	Lime White Hard
3726	3730	4	Lime Black Hard

CONTINUED

3730 - 3732 22 White Lime
 3732 - 3745 13 Sand Gray
 3745 - 3748 3 Lime White
 3748 - 3762 14 Lime Gray
 3762 - 3773 11 Lime Blue Hard
 3773 - 3778 5 Lime Blue
 3778 - 3790 12 Lime Porous
 3790 - 3793 3 Sand Gray

TOTAL DEPTH 3793

PLUGGED BACK TO 3500 WITH 50 Sacks
cement up into casing.



AREA 640 ACRES
LOCATE WELL CORRECTLY

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days

after completion of well. Indicate questionable data by fol-

lowing it with (?). Submit in duplicate.

Company Sumas Pacific Coal & Oil Co. Address 1710 Ft. North Nat'l. Bank Bldg. Ft. North, N.M.
 Send correspondence to A.J. Hochenstein Address 1710 Ft. North Nat'l. Bank Bldg. Ft. North, N.M.
State of New Mexico Well No. 1-5 in S/4 of Sec. 20, T. 23-S
36-2, N. M. P. M., Trujillo Oil Field Las County.
 If State land the oil and gas lease is No. 4-263 Assignment No. _____
 If patented land the owner is _____ Address _____
 The lessee is Sumas Pacific Coal & Oil Company Address 1710 Ft. North Nat'l. Bank Bldg. Ft. North, N.M.
 If not state or patented land, give status _____
 Drilling commenced June 11, 19 30 Drilling was completed August 4, 19 30
 Name of drilling contractor Smith - McDonald & McMillan Address Elizabethtown, N.M.
 Elevation above sea level at top of casing 3425.9 feet.
 The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from (Base) 3609 to 3625 (Base) No. 4, from _____ to _____
 No. 2, from 3725 to 3730-011 show No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 70 to 150 No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>1 1/2"</u>	<u>50</u>	<u>8</u>	<u>2nd Hand</u>	<u>389</u>	<u>Plain</u>				
<u>7" O.D.</u>	<u>24</u>	<u>10</u>	<u>Nat'l.</u>	<u>345</u>	<u>Rebar-Surch</u>				
					<u>Concrete Float</u>				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	No. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>2 1/2"</u>	<u>300</u>	<u>200</u>	<u>McMillan</u>	<u>12 1/2</u>	<u>100 Gallons</u>
<u>7" O.D.</u>	<u>345</u>	<u>900</u>	<u>McMillan</u>	<u>12 1/2</u>	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
 Adapters—Material Cementing up 150' into the 7" casing.

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

PRODUCTION

Put to producing Sumas Produced, 19 _____
 The production of the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; 100% water; and _____% sediment. Gravity, Be _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYES

P.O. Smith, Driller _____, Driller _____
D.H. McMillan, Driller _____, Driller _____

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 14th day of August, 19 30

Name J.P. Trujillo
 Position State Geologist

My commission expires March 1, 1933

Representing Sumas Pacific Coal & Oil Co.
New Mexico Company or Operator