

A 10x10 grid with a small black mark in the second row, fourth column.

LOCATE WELL CORRECTLY

U. S. LAND OFFICE *Navajo Tribal*
SERIAL NUMBER *I-149-Ind.-8461*
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Durango, Colorado
Lessor or Tract Navajo Tribal Field No. Table Mesa State New Mexico
Well No. 4 Sec. 34 T28N R17W Meridian N.M.P.M. County San Juan
Location 1200 ft. N of 1 Line and 2150 ft. E of W Line of Sec. 34 Elevation 5210
(Derrick floor relative to bench mark)

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 Kenneth D. Smith

Date June 21, 1957 Title Geologist

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

Commenced drilling May 3, 1955 Finished drilling May 9, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1169 to 1179 No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____

No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from 582 to 713 No. 3, from 011 to 1955

No. 2, from 11-60 to 11-70 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—	
10 1/2	11.5	11	11	11	11	11	11	11	11
11 1/2	12.5	12	12	12	12	12	12	12	12
12 1/2	13.5	13	13	13	13	13	13	13	13
13 1/2	14.5	14	14	14	14	14	14	14	14
14 1/2	15.5	15	15	15	15	15	15	15	15
15 1/2	16.5	16	16	16	16	16	16	16	16
16 1/2	17.5	17	17	17	17	17	17	17	17
17 1/2	18.5	18	18	18	18	18	18	18	18
18 1/2	19.5	19	19	19	19	19	19	19	19
19 1/2	20.5	20	20	20	20	20	20	20	20
20 1/2	21.5	21	21	21	21	21	21	21	21
21 1/2	22.5	22	22	22	22	22	22	22	22
22 1/2	23.5	23	23	23	23	23	23	23	23
23 1/2	24.5	24	24	24	24	24	24	24	24
24 1/2	25.5	25	25	25	25	25	25	25	25
25 1/2	26.5	26	26	26	26	26	26	26	26
26 1/2	27.5	27	27	27	27	27	27	27	27
27 1/2	28.5	28	28	28	28	28	28	28	28
28 1/2	29.5	29	29	29	29	29	29	29	29
29 1/2	30.5	30	30	30	30	30	30	30	30
30 1/2	31.5	31	31	31	31	31	31	31	31
31 1/2	32.5	32	32	32	32	32	32	32	32
32 1/2	33.5	33	33	33	33	33	33	33	33
33 1/2	34.5	34	34	34	34	34	34	34	34
34 1/2	35.5	35	35	35	35	35	35	35	35
35 1/2	36.5	36	36	36	36	36	36	36	36
36 1/2	37.5	37	37	37	37	37	37	37	37
37 1/2	38.5	38	38	38	38	38	38	38	38
38 1/2	39.5	39	39	39	39	39	39	39	39
39 1/2	40.5	40	40	40	40	40	40	40	40
40 1/2	41.5	41	41	41	41	41	41	41	41
41 1/2	42.5	42	42	42	42	42	42	42	42
42 1/2	43.5	43	43	43	43	43	43	43	43
43 1/2	44.5	44	44	44	44	44	44	44	44
44 1/2	45.5	45	45	45	45	45	45	45	45
45 1/2	46.5	46	46	46	46	46	46	46	46
46 1/2	47.5	47	47	47	47	47	47	47	47
47 1/2	48.5	48	48	48	48	48	48	48	48
48 1/2	49.5	49	49	49	49	49	49	49	49
49 1/2	50.5	50	50	50	50	50	50	50	50
50 1/2	51.5	51	51	51	51	51	51	51	51
51 1/2	52.5	52	52	52	52	52	52	52	52
52 1/2	53.5	53	53	53	53	53	53	53	53
53 1/2	54.5	54	54	54	54	54	54	54	54
54 1/2	55.5	55	55	55	55	55	55	55	55
55 1/2	56.5	56	56	56	56	56	56	56	56
56 1/2	57.5	57	57	57	57	57	57	57	57
57 1/2	58.5	58	58	58	58	58	58	58	58
58 1/2	59.5	59	59	59	59	59	59	59	59
59 1/2	60.5	60	60	60	60	60	60	60	60
60 1/2	61.5	61	61	61	61	61	61	61	61
61 1/2	62.5	62	62	62	62	62	62	62	62
62 1/2	63.5	63	63	63	63	63	63	63	63
63 1/2	64.5	64	64	64	64	64	64	64	64
64 1/2	65.5	65	65	65	65	65	65	65	65
65 1/2	66.5	66	66	66	66	66	66	66	66
66 1/2	67.5	67	67	67	67	67	67	67	67
67 1/2	68.5	68	68	68	68	68	68	68	68
68 1/2	69.5	69	69	69	69	69	69	69	69
69 1/2	70.5	70	70	70	70	70	70	70	70
70 1/2	71.5	71	71	71	71	71	71	71	71
71 1/2	72.5	72	72	72	72	72	72	72	72
72 1/2	73.5	73	73	73	73	73	73	73	73
73 1/2	74.5	74	74	74	74	74	74	74	74
74 1/2	75.5	75	75	75	75	75	75	75	75
75 1/2	76.5	76	76	76	76	76	76	76	76
76 1/2	77.5	77	77	77	77	77	77	77	77
77 1/2	78.5	78	78	78	78	78	78	78	78
78 1/2	79.5	79	79	79	79	79	79	79	79
79 1/2	80.5	80	80	80	80	80	80	80	80
80 1/2	81.5	81	81	81	81	81	81	81	81
81 1/2	82.5	82	82	82	82	82	82	82	82
82 1/2	83.5	83	83	83	83	83	83	83	83
83 1/2	84.5	84	84	84	84	84	84	84	84
84 1/2	85.5	85	85	85	85	85	85	85	85
85 1/2	86.5	86	86	86	86	86	86	86	86
86 1/2	87.5	87	87	87	87	87	87	87	87
87 1/2	88.5	88	88	88	88	88	88	88	88
88 1/2	89.5	89	89	89	89	89	89	89	89
89 1/2	90.5	90	90	90	90	90	90	90	90
90 1/2	91.5	91	91	91	91	91	91	91	91
91 1/2	92.5	92	92	92	92	92	92	92	92
92 1/2	93.5	93	93	93	93	93	93	93	93
93 1/2	94.5	94	94	94	94	94	94	94	94
94 1/2	95.5	95	95	95	95	95	95	95	95
95 1/2	96.5	96	96	96	96	96	96	96	96
96 1/2	97.5	97	97	97	97	97	97	97	97
97 1/2	98.5	98	98	98	98	98	98	98	98
98 1/2	99.5	99	99	99	99	99	99	99	99
99 1/2	100.5	100	100	100	100	100	100	100	100
100 1/2	101.5	101	101	101	101	101	101	101	101
101 1/2	102.5	102	102	102	102	102	102	102	102
102 1/2	103.5	103	103	103	103	103	103	103	103
103 1/2	104.5	104	104	104	104	104	104	104	104
104 1/2	105.5	105	105	105	105	105	105	105	105
105 1/2	106.5	106	106	106	106	106	106	106	106
106 1/2	107.5	107	107	107	107	107	107	107	107
107 1/2	108.5	108	108	108	108	108	108	108	108
108 1/2	109.5	109	109	109	109	109	109	109	109
109 1/2	110.5	110	110	110	110	110	110	110	110
110 1/2	111.5	111	111	111	111	111	111	111	111
111 1/2	112.5	112	112	112	112	112	112	112	112
112 1/2	113.5	113	113	113	113	113	113	113	113
113 1/2	114.5	114	114	114	114	114	114	114	114
114 1/2	115.5	115	115	115	115	115	115	115	115
115 1/2	116.5	116	116	116	116	116	116	116	116
116 1/2	117.5	117	117	117	117	117	117	117	117
117 1/2	118.5	118	118	118	118	118	118	118	118
118 1/2	119.5	119	119	119	119	119	119	119	119
119 1/2	120.5	120	120	120	120	120	120	120	120
120 1/2	121.5	121	121	121	121	121	121	121	121
121 1/2	122.5	122	122	122	122	122	122	122	122
122 1/2	123.5	123	123	123	123	123	123	123	123
123 1/2	124.5	124	124	124	124	124	124	124	124
124 1/2	125.5	125	125	125	125	125	125	125	125
125 1/2	126.5	126	126	126	126	126	126	126	126
126 1/2	127.5	127	127	127	127	127	127	127	127
127 1/2	128.5	128	128	128	128	128	128	128	128
128 1/2	129.5	129	129	129	129	129	129	129	129
129 1/2	130.5	130	130	130	130	130	130	130	130
130 1/2	131.5	131	131	131	131	131	131	131	131
131 1/2	132.5	132	132	132	132	132	132	132	132
132 1/2	133.5	133	133	133	133	133	133	133	133
133 1/2	134.5	134	134	134	134	134	134	134	134
134 1/2	135.5	135	135	135	135	135	135	135	135
135 1/2	136.5	136	136	136	136	136	136	136	136
136 1/2	137.5	137	137	137	137	137	137	137	137
137 1/2	138.5	138	138	138	138	138	138	138	138
138 1/2	139.5	139	139	139	139	139	139	139	139
139 1/2	140.5	140	140	140	140	140	140	140	140
140 1/2	141.5	141	141	141	141	141	141	141	141
141 1/2	142.5	142	142	142	142	142	142	142	142
142 1/2	143.5	143	143	143	143	143	143	143	143
143 1/2	144.5	144	144	144	144	144	144	144	144
144 1/2	145.5	145	145	145	145	145	145	145	145
145 1/2	146.5	146	146	146	146	146	146	146	146
146 1/2	147.5	147	147	147	147	147	147	147	147
147 1/2	148.5	148	148	148	148	148	148	148	148
148 1/2	149.5	149	149	149	149	149	149	149	149
149 1/2	150.5	150	150	150	150	150	150	150	150
150 1/2	151.5	151	151	151	151	151	151	151	151
151 1/2	152.5	152	152	152	152	152	152	152	152
152 1/2	153.5	153	153	153	153	153	153	153	153
153 1/2	154.5	154	154	154	154	154	154	154	154
154 1/2	155.5	155	155	155	155	155	155	155	155
155 1/2	156.5	156	156	156	156	156	156	156	156
156 1/2	157								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
		Plugged w/16 sx.	1475-1375		
		Plugged w/16 sx.	650-550		
		Plugged w/5 sx.	at surface		

PLUGS AND ADAPTERS

Heaving plug—Material ~~XXXXXX~~ Length _____ Depth set _____

Adapters—Material	Size
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SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from Surface feet to 75 feet, and from _____ feet to _____ feet

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

DATES

-----PCA May 9, 1955----- Put to producing -----, 19-----

The production for the first 24 hours was barrels of fluid of which% was oil;%

emulsion; -----% water; and -----% sediment. Gravity, °Bé. -----

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

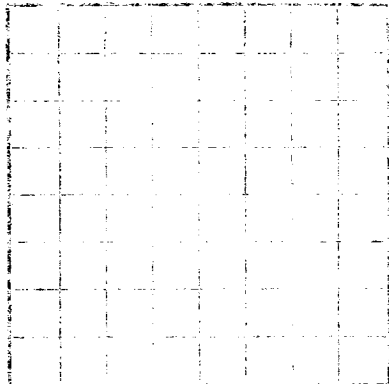
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
582	743	161	Tecito sand
1357	1420	63	Greenhorn limestone
1469	1479	10	Dakota sandstone
Total Depth		1479'	
			Well #1, 1466-1475' Rec. 1000' water top 50' oil cut.

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Core and logs of this well are deposited in the collection of the U.S. Geological Survey, Washington, D.C. The information given herewith is a complete and correct record of the well and all operations thereon. It is to be maintained in a permanent and accessible form.

Date _____
The summary on this page is for the condition of the well as of a date _____
Continued drilling _____

OIL OR GAS SANDS OR ZONES

(Indicate by X)



IMPORTANT WATER SANDS

CHANGING RECORD

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, 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 bailing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-		TO-		TOTAL FEET		FORMATION	
1000		1000		1000		1000	
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