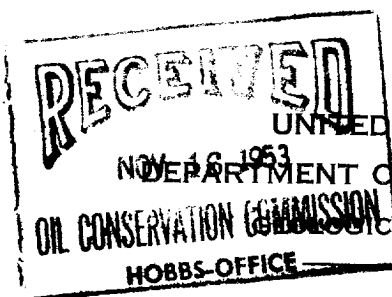


A 10x10 grid with a small 'x' mark in the 4th column and 6th row.



U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **N. M. 04242**
LEASE OR PERMIT TO PROSPECT
Cockburn-Federal #4

LOG OF OIL OR GAS WELL

Company Barney Cockburn Address Box 105, Artesia, N. M.
 Lessor or Tract Cockburn-Federal Field Corbin State New Mexico
 Well No. 4 Sec. 34 T. 17S R. 33E Meridian NMPM County Lea
 Location 1650 ft. N. of 8 Line and 1650 ft. E. of W Line of 34-17-33 Elevation _____
(Describe location of well)

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 C. J. Barnes
Date Nov. 12, 1953 Title Agt.

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

Commenced drilling Aug. 9., 1953 Finished drilling Sept. 29 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3909 to 3929 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	1460	50	Halliburton		
7"	3902	100	"		

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
Hydrafrac with 1500 gal. of gel fluid						

TOOLS USED

Rotary tools were used from 0 feet to 1460 feet, and from _____ feet to _____ feet
Cable tools were used from 1460 feet to 3929 feet, and from _____ feet to _____ feet

DATES

....., 19..... Put to producing Sept. 29, 1953

The production for the first 24 hours was 120 barrels of fluid of which 100% 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

Lee Dodd, Driller
F. D. McDaniel, Driller
P. W. Clifford, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	180	180	Sand & red rock
180	265	85	Red bed & sand
265	695	430	Red bed
695	820	125	Red bed & shells
820	885	65	Red bed
885	1184	299	Red bed & shells
1184	1215	31	Hard sand
1215	1270	55	Red bed
1270	1320	50	Red bed & shells
1320	1440	120	Red bed
1440	1595	155	Anhydrite
1595	1715	120	Salt & red bed
1715	2530	815	Salt
2530	2595	65	Salt & potash
2595	2655	60	Salt
2655	2700	45	Salt
2700	2765	65	Anhy. & red bed
2765	2825	60	Broken anhy.
2825	2905	80	Anhydrite
2905	2966	61	Broken anhy.
2966	2980	14	Anhy.
2980	3120	140	Red rock & anhy.
3120	3145	25	Anhydrite
3145	3175	30	Broken anhy.
3175	3205	30	Anhy.
			Anhy., sandy red rock

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 WASHINGTON, D. C. 20250
 OFFICE OF THE ASSISTANT SECRETARY
 FOR LAND MANAGEMENT
 1015 N. 1ST ST., SUITE 100
 DENVER, CO 80202
 (303) 733-8000
 FAX (303) 733-8001
 WWW.BLM.GOV

This image shows a full page of blank graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 25 rows of squares. A thicker vertical line runs down the left side, creating a margin. A thicker horizontal line runs across the top, below the header area. The paper is otherwise empty of any markings or text.

[illegible][illegible]

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 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

U. S. GOVERNMENT PRINTING OFFICE: 1964-2.

FROM-	TO-	TOTAL FEET	FORMATION
1285	1282	3	red rock
1282	1279	3	red rock
1279	1276	3	red rock
1276	1273	3	red rock
1273	1270	3	red rock
1270	1267	3	red rock
1267	1264	3	red rock
1264	1261	3	red rock
1261	1258	3	red rock
1258	1255	3	red rock
1255	1252	3	red rock
1252	1249	3	red rock
1249	1246	3	red rock
1246	1243	3	red rock
1243	1240	3	red rock
1240	1237	3	red rock
1237	1234	3	red rock
1234	1231	3	red rock
1231	1228	3	red rock
1228	1225	3	red rock
1225	1222	3	red rock
1222	1219	3	red rock
1219	1216	3	red rock
1216	1213	3	red rock
1213	1210	3	red rock
1210	1207	3	red rock
1207	1204	3	red rock
1204	1201	3	red rock
1201	1198	3	red rock
1198	1195	3	red rock
1195	1192	3	red rock
1192	1189	3	red rock
1189	1186	3	red rock
1186	1183	3	red rock
1183	1180	3	red rock
1180	1177	3	red rock
1177	1174	3	red rock
1174	1171	3	red rock
1171	1168	3	red rock
1168	1165	3	red rock
1165	1162	3	red rock
1162	1159	3	red rock
1159	1156	3	red rock
1156	1153	3	red rock
1153	1150	3	red rock
1150	1147	3	red rock
1147	1144	3	red rock
1144	1141	3	red rock
1141	1138	3	red rock
1138	1135	3	red rock
1135	1132	3	red rock
1132	1129	3	red rock
1129	1126	3	red rock
1126	1123	3	red rock
1123	1120	3	red rock
1120	1117	3	red rock
1117	1114	3	red rock
1114	1111	3	red rock
1111	1108	3	red rock
1108	1105	3	red rock
1105	1102	3	red rock
1102	1099	3	red rock
1099	1096	3	red rock
1096	1093	3	red rock
1093	1090	3	red rock
1090	1087	3	red rock
1087	1084	3	red rock
1084	1081	3	red rock
1081	1078	3	red rock
1078	1075	3	red rock
1075	1072	3	red rock
1072	1069	3	red rock
1069	1066	3	red rock
1066	1063	3	red rock
1063	1060	3	red rock
1060	1057	3	red rock
1057	1054	3	red rock
1054	1051	3	red rock
1051	1048	3	red rock
1048	1045	3	red rock
1045	1042	3	red rock
1042	1039	3	red rock
1039	1036	3	red rock
1036	1033	3	red rock
1033	1030	3	red rock
1030	1027	3	red rock
1027	1024	3	red rock
1024	1021	3	red rock
1021	1018	3	red rock
1018	1015	3	red rock
1015	1012	3	red rock
1012	1009	3	red rock
1009	1006	3	red rock
1006	1003	3	red rock
1003	1000	3	red rock
1000	997	3	red rock