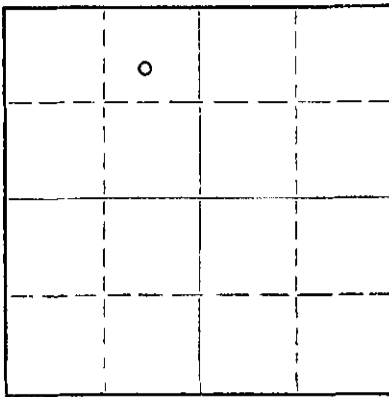


STATE OF KANSAS
 STATE CORPORATION COMMISSION
 Give All Information Completely
 Make Required Affidavit
 Mail or Deliver Report to:
 Conservation Division
 State Corporation Commission
 211 No. Broadway
 Wichita, Kansas

WELL PLUGGING RECORD

Morton County. Sec. 24 Twp. 31 Rge. (E) 43 (W)
 Location as "NE/CNW&SWK" or footage from lines C NE NW
 Lease Owner Colorado Oil Company
 Lease Name Bitner Well No. 1-24
 Office Address 915 Union Natl. Bldg., Wichita, Kansas 67202
 Character of Well (completed as Oil, Gas or Dry Hole) Gas
 Date well completed March 13 19 68
 Application for plugging filed December 27 19 67
 Application for plugging approved December 27 19 67
 Plugging commenced December 30 19 67
 Plugging completed December 31 19 67
 Reason for abandonment of well or producing formation Producing Zone depleted.

NORTH



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production April 19 67
 Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well E. Eves
 Producing formation Wabaunsee Depth to top 2792 Bottom 2802 Total Depth of Well 5270 Feet
 Show depth and thickness of all water, oil and gas formations. (Perforations)

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				7-5/8"	1448	None
				2-3/8"	2961	2110

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Mix 5 sacks cement to plug off perforations. Stop plug at 2400'. Pump 30 sacks cement at 800' to 700'. Put 5 sacks cement at 30' to 0'.

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 JAN 16 1968
 CONSERVATION DIVISION
 Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
 Name of Plugging Contractor Sargent's Casing Pulling Service
 Address Box 506, Liberal, Kansas

STATE OF Kansas, COUNTY OF Sedgwick, ss.
Bill K. Henrichs (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Bill K. Henrichs
915 Union Natl. Bldg., Wichita, Kansas 67202
 (Address)

SUBSCRIBED AND SWORN to before me this 15th day of January, 19 68

My commission expires August 19, 1971

Helen L. Martin
 Helen L. Martin Notary Public.

Lovine

COLORADO OIL COMPANY
~~-Hamilton Brothers, Inc.~~ #1-24 J. Bitner
Section 24-31S-43W, Morton County, Kansas, C NE NW
Contractor: Earl F. Wakefield Drilling Co.

Acct. #337
Elevation: 3563 G.L.
3574 KDB
Rig #3

- 2-17-63 Spudded 13 3/4" hole at 12:15 p.m.
- 2-18 Drilling 975 Shale. Deviation 1/4° @ 250 ft., 1/4° @ 500 ft.
Wt. 9.8, vis. 38, filler 12#, reduced to 9 7/8" hole at 693 ft.
- 2-19 W.O.C. 9 7/8 1450 ft. at 9:15 p.m. Deviation 1/2° @ 1000 ft.
Ran 1 Howco float shoe & baffle, 3 centralizers. 4 jts. 7 5/8"
26.40# J-55 LT&C seamless grade B csg. 155.49'. 3 jts. 7 5/8"
26.40#, N-80 ST&C grade B seamless csg. 116.68. 39 jts.
7 5/8 26.40# J-55 ST&C grade B seamless 1190.47. Total
1462.64. Shoe at 1448. Set csg. at 1448 K.D.B. Baffle 1404,
centralizers 1404, 1368 and 1326. Cemented w/600 sxs.
common / 8 % gel and 1/4# flow seal/sk. at 13#/gal.
150 sxs common 16#/gal. Plug down at 4:30 a.m. Circulated
204 sxs. W.O.C. Wt. 10.2, vis. 42, filler 13#.
- 2-20 Nippling up. W.O.C. Cut off 7 5/8" casing at 4:30 a.m.
Installed Cameron 7 5/8" 8" x 600 series. Head tested to
1600# O.K.
- 2-21 1669 ft. drilling. Anhydrite & Shale. Wt. 8.8, vis. 35, wl 17.6,
fc 2/32nds, Ph 8.6, filler 10#, clorides 2000.
- 2-22 2330 ft. drilling. Anhydrite. Deviation 1/4° @ 2000 ft. Wt. 8.8,
vis. 37, wl 17.6, fc 2/32nds, Ph 9.5, filler 10#, clorides 2000.
- 2-23 2654 ft. drilling. Lime and shale. Deviation 3/4° @ 2400 ft,
1/4° @ 2630 ft. Wt. 9.1, vis. 37, wl 13, Ph 9, fc 2/32nds,
filler 12#, oil 8 1/2%, clorides 13,000.
- 2-24 2989 ft. drilling. Lime. Deviation 1/2° @ 2866 ft. Wt. 9.2,
vis. 37, wl 11.2, fc 2/32nds, Ph 8, LCM 15#, oil 8%,
clorides 1100.
- 2-25 3250 ft. drilling. Lime & shale. Deviation 1/2° @ 3079 ft.
Wt. 9.2, vis. 38, wl 8.4, fc 2/32nds, ph 9.5, deviation 1 1/4°
@ 2727 ft.

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Wichita, Kansas

COLORADO OIL COMPANY

~~Hamilton Brothers, Inc.~~ #1-24 J. Bitner

Acct. #337

Morton County, Kansas

- 2-26 3438 ft. Drilling lime. Deviation $1/4^{\circ}$ at 3250 ft., $3/4^{\circ}$ at 3430 ft. Wt. 9, Vis. 40, wl 10.2, fc 2/32nds, Ph 8.5, filler 15#, oil 6 1/2%, clorides 1100.
- 2-27 3666 ft. Drilling lime. Deviation 1° @ 3550 ft. Wt. 9.2, vis. 39, wl 8.2, fc 2/32nds, Ph 8.5, filler 15#, oil 8%, clorides 1000.
- 2-28 3868 ft. drilling in lime. Deviation $3/4^{\circ}$ @ 3730 ft. Wt. 9.2, vis. 40, wl 7.8, fc 2/32nds, Ph 8.5, filler 15#, oil 7%, clorides 900.
- 3-1 4070 ft. Drilling in lime. Deviation 1° @ 4000 ft. Wt. 9.1, fc 2/32nds, vis. 40, wl 8.4, Ph 8.5, filler 15#, oil 6 1/2%, clorides 900 ppm.
- 3-2 4200 ft. Drilling in Lime. Wt. 9.1, vis. 39, wl 7.6, fc 2/32nds, Ph 9, LCM 14#, oil 5%, clorides 900. DST #1 4098-4117 ft. 15 min. ISI., tool open 1 hr., with weak blow for 15 min. increasing to fair blow throughout test. ISI 30 min. Recovered 60 ft. of drilling mud, 180 ft. of salt water. IH 1943, ISI 883, IF 18.5, FF 74, FSI 883, FH 1943. Top sample cl. 43,000, mid-sample cl. 57,000, bot sample (mud) cl. 12,000.
- 3-3 4389 ft. Drilling in lime and shale. Deviation 1° @ 4250 ft. Wt. 9.2, vis. 41, wl 8, fc 2/32nds, Ph 8.5, LCM 15#, oil 5%, clorides 1000.
- 3-4 Drilling 4495. Lime. Deviation $1 3/4^{\circ}$ @ 4480 ft. Wt. 9.2, vis. 42 wl 8.2, fc 2/32nds, Ph 9, LCM 15#, oil 4%, clorides 900.
- 3-5 4653 ft. drilling in Lime. Wt. 9.2, vis. 41, wl 7.5, fc 2/32nds, Ph 8.5, filler 15#, oil 4%.
- 3-6 4850 ft. drilling. Lime and shale. Deviation $2 3/4^{\circ}$ @ 4778 ft., wt. 9.2, vis. 44, wl 8.4, fc 2/32nds, Ph 8.5, LCM 18#, oil 4%, clorides 900.
- 3-7 5047 ft. drilling: Lime and Shale. Deviation $2 3/4^{\circ}$ @ 5037 ft. Wt. 9.2, vis. 45, wl 8.8, fc 2/32nds, Ph 8.5, filler 17#, oil 6%, clorides 900.

- 3-8-63 5138 ft. Lime. Wt. 9.2, vis. 41, wl 8, fc 2/32nds, Ph 8, LCM 16#, oil 6%, clorides 1000. DST #2 5090-5109. 15 min. ISI. Tool open 1 hr. Open for 5 min. w/weak blow and died. By passed tool. Reopened tool with weak blow for 7 min. and died. 30 min. FSI. Recovered 90 ft. of drlg. mud. IH 2400, ISI 1120, IF 37, FF 55, FSI 900, FH 2460.
- 3-9 5210 ft. drilling in Lime. Wt. 9.1, vis. 47, wl 7.8, fc 2/32nds, Ph 8.5, filler 17#, oil 5%, clorides 900.
- 3-10 5270 ft. Total depth at 12:30 a.m.
- 3-11 DST #3 2791-2812 ft. Wabaunsee. Hook at 2886 ft. ISI 15 min. Open 1 hr. FSI 30 min. Gas to surface instantly. Blew shale, mud and water. Gas 2,530 MCF at end of 1 hr. Recovered 150' of water. Top sample: Sp. Gr 1.005, solids 10,000, cl. less than 500, Rw 2.01 @ 66°. Mid sample: Sp. Gr. 1,001, solids 10,000, clorides 1,000, Rw 1.77 @ 64°. Bot sample Sp. Gr. 1.015, solids 23,000, clorides 10,122, Rw .43 @ 64° IH 1376, ISI 481, IF 370, FF 407, FSI 481, FH 1376.
- 3-12 Ran 94 jts. used 2 3/8" 4.7# J EUE tubing (2952.32') and sub landing jts. Set @ 2961.32. Float shoe @ 2961', stop ring @ 2930'. Cemented with 150 sx. Neat 4% gel 14.2#/gal. Pump plug down w/fresh water. Plug down @ 9:30 a.m. Good returns throughout job. Will back off tubing in morning leaving collar 2 ft. above ground. Rig released 3-12-63 midnight.
- 3-13 Cut off Braden head-orange peel 7 5/8 into wall of 2 3/8" tubing and weld it. Screw tap bull plug and needle valve into tubing collar 2 ft. above ground and turn a barrel over tubing head. Wait on pipe line connection.