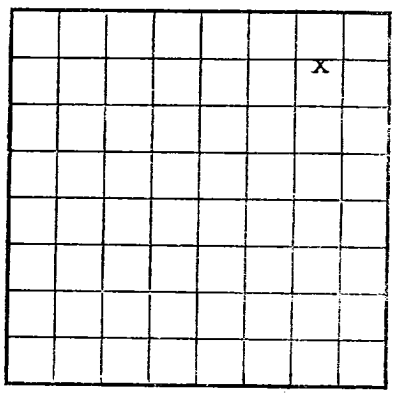
Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 587
LEASE OR PERMIT TO PROSPECT 078771



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JAN 19 1953
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

Company Colorado Oil & Gas Corporation Address Box 1087, Colorado Springs, Colo
Lessor or Tract Rosa Unit Field Wildcat State New Mexico
Well No. 5 Sec. 26 T. 31N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. {S.} of N Line and 990 ft. {W.} of E Line of Sec. 26 Elevation 6304.2 G.L.
(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 R. Rogers
Date January 7, 1953 Title Ass't. Prod. Engineer R. Rogers

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

Commenced drilling September 12, 1952 Finished drilling December 15, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3034 to 3100 (G) No. 4, from ____ to ____
No. 2, from 5340 to 5410 (G) No. 5, from ____ to ____
No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from ____ to ____ No. 3, from ____ to ____
No. 2, from ____ to ____ No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10-3/4 od	40.5#	8 round	H-40	518					surface
7"	23#	8 round	J-55	5319	Howco Cement shoe		3036	3142	test & water shut off
2-3/8"	4.7#	8 round	J-55	5415					tubing string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4 od	518'	200 sks.	Halliburton		
7"	5319'	150 sx Bridget - 50 sx Regular	Two stage	Stage tool	at 3400' Halliburton

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
4-1/2	7	E.P. 117	140 qts.		5340-5410	
4-1/2	4	E.P. 117	80 qts.		5340-5360	

TOOLS USED

Rotary tools were used from 0 feet to 5320 feet, and from ____ feet to ____ feet
Cable tools were used from 5320 feet to 5740 T.D. feet, and from ____ feet to ____ feet

DATES

December 30, 1952 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 548 MCF Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 1115

EMPLOYEES

W. J. Henderson, Driller J. G. Gibson, Driller
J. A. Sneed, Driller J. D. Hendley, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	600	600	Surface sands & gravel.
600	1100	500	Sand & Shale.
1100	1300	200	Coarse sand & shale lenses
1300	1380	80	Shale
1380	1450	70	Sand
1450	1550	100	Shale
1550	1840	290	Sand to shaley sand, some small solid shale bodies.
1840	2330	490	Shale with sand lenses.
2330	2495	165	Top Ojo Alamo - base 2495 - coarse unsorted sand.
2495	2860	365	Top Kirtland-base 2860
2860	2955	95	Top Fruitland-base 3115. Black Shaley sand lenses.
2955	3035	80	Coal & some black carb. shale.
3035	3100	65	Sand - gas- small shale stringers.
3100	3115	15	Coal
3115	3200	85	Sand - salt & Pepper - gray to dark gray. TOP PICTURED CLIFFS 3115
3200	3400	200	Grades from silty sand to shaley sand to sandy shale.
3400	3450	50	Sandy shale
3450	5320	1870	Top Lewis - base 5320 - shale with sand lenses & stringers.

FOLD | MARK

FROM	TO	FOOTAGE	FORMATION
5320	5395	75	Top Cliff House (Mesa Verde Group) Gray fine sand, few small shale breaks.
5395	5575	180	Top Menefee, dark gray to black shale. Some sand stringers.
5575	5645	75	Top Point Lookout - sand fine gray
5675	5740	65	Shale with some sand lenses & stringers.
			T.D. 5740

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HISTORY OF OIL OR GAS WELL

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 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.

8-20-52 - Intention submitted & approved by P. T. McGrath of U.S.G.S.
9-12-52 - Well spudded by Rotary.
9-12-52 - Surface 10-3/4" OD set at 518 w/190 sx. Water shut off.
9-27-52 - D.S.T. #1 2875-3020. No good. mis-run.
9-28-52 - D.S.T. #2 3032-3080. Gas to surface in two min. Vol. 1,100 MCF/day. Shut in one hour, 1350#. recovered 450' mud & 120' water.
9-29-52 - D.S.T. #3 3074-3154. Gas to surface in one min. Vol. 584 MCF/day. Shut in 30 min - 1700#. F.P. 480#, H.H. 1650#. Recovered 305' gas cut mud. Ran electrical survey.
9-30-52 - D.S.T. #4 3060-3181'. Gas to surface in 4 min. Vol. 200MCF/day. IFP 280#, F.F.P. 750#, Recovered 400' mud.
10-1-52 - D.S.T. #5 3300-3400. No gas to surface. H.H. 1960. Recovered 50' mud.
10-19-52 - Set 7" casing at 5319' w/200 sx. Two stage - DVtool at 3400'. Temperature survey showed cement above tool at 2560.
11-2-52 - Cable tools moved in - rotary moved out.
11-21-52 - Shot 5340' to 5410' w/140 qts. E.P. 117-made 171 MCF after cleaning out.
11-29-52- Shot 5340 to 5360 w/80 qts. E.P. 117 - gas increased to 245 MCF.
12-1-52 - Set wire line plug at 3400 and hydromite to 3390-squeezed 50 sx at 3046 for shut off to perforate.
12-2-52 - Perforated 3123 to 3139 for test. Dry-no gas. Squeezed and drilled plug.
12-5-52 - Hoopwell packer set at 3000' - acidized perforations w/500 Gals. 15% HCl.
12-6-52 - Swabbed acid & tested 50 MCF & water.
12-8-52 - Squeezed w/100 sx. to close all perforations.
12-12-52 - Cement drilled out - hole cleaned and tubing set at 5415'. Well completed at 548 MCF/day w/SIP of 115#.