

U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **03190 010909**

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Colorado Oil & Gas Corporation** Address **P.O. Box 1087, Colorado Springs, Colo.**Lessor or Tract **Dena Riddle** Field **Cox Canyon** State **New Mexico**Well No. **1** Sec. **20** T. **32N** R. **11W** Meridian **NMPH** County **San Juan**Location **950** ft. ^{**N.**}_{**S.**} of **S** Line and **1600** ft. ^{**E.**}_{**W.**} of **E** Line of **Section 20** Elevation **5860.57** G.L. ^{**6694**}
(Barrier 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 **Bernie B. Morgan**Date **8-14-53** Title **Supt. of Prod.**

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

Commenced drilling **6-15 / 26**, 19 **53** Finished drilling **7-24 / 11**, 19 **53**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from	3334	to	3460	No. 4, from		to	
No. 2, from	4974	to	5274	No. 5, from		to	
No. 3, from	5670	to	5950	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		Purpose
							From	To	
10-3/4		8R	J-55	527'	Open end				Surface Production Logging
7"		8R	J-55	5006'					
2-3/8	4.7#	8R	J-55	5861.57					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	527'	175 ax.	HO-40		
7"	5006'	300 ax.	HO-40		

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	yes	SNG	2380	7-11	5060-6008	To T.D.

TOOLS USED

Rotary tools were used from **527** feet to **6008** feet, and from _____ feet to _____ feetCable tools were used from **0** feet to **527** feet, and from _____ feet to _____ feet

DATES

7-24, 19 **53** 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 **8199 M** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1000# plus 1025" (5100)**

EMPLOYEES

_____, Driller **D. Jackson**, Driller_____, Driller **W. Woodall**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	600	600	Sandstone beds with shale streaks
600	1150	550	Shale
1150	1400	250	Sandstone, tan with gray shale streaks
1400	1700	300	Shale
1700	1900	200	Gray tan fine grained sandstone
1900	2000	100	Shale
2000	2660	660	Massive sandstone beds with streaks shale small beds coal
2660	2950	290	Shale
2950	3334	384	Thick sandstone beds interbedded with coal
3334	3460	126	Fine grained light gray sandstone — PC
3460	4100	640	Shale, dark gray
4100	4887	787	Sandy gray shale
4887	4974	87	Shaley fine grained sand
4974	5274	300	Fine grained light tan sandstone <i>Top OH-4974</i>
5274	5670	396	Dark gray shale streaks with few thin layers sand
5670	5950	280	Massive gray to tan mod. grained sandstone with thin shale streaks
5950	6008	58	Shale, light gray, light gray mod. grained sandstone streaks <i>Top Mancos 5950</i>

[illegible]

7-6-53: Set 527' of 10-3/4" surface casing with 175 sacks cement circulated.
5-28-53: Resubmitted "Intention to Drill" form to U.S.C.S. to show change of operator from H. K. Riddle to Colorado Oil & Gas Corporation.
6-15-53: Moved on rotary rig.
6-22-53: Drill stem test #1 3349-60' (Pictured cliffs formation). Tool open one hour, fair to good blow throughout test. Gas to surface in 23 minutes, estimated 50 MCFD. Recovered 40' gas cut mud; flowing pressure 425#, 15 minute shut in pressure 500#, hydrostatic pressure 2075#.
7-1-53: Ran Schlumberger log to 5007', total depth.
7-2-53: Set 7" casing at 5006' with 300 sacks cement. Drilled ahead with gas.
7-13-53: Drilled to 6006', total depth. Ran Lane Wells log. Shot 5060-6006' with 2380 quarts of nitroglycerine. Well gauged 6000 MCFD after shot.
7-15-53: Ran 5861.57' of 2-3/8" 4.7# EUE tubing. Well gauging 4000 MCFD after blowing for three days.
7-22-53: 3 hour pilot gauge through 2" tubing 6,100 MCFD. 7 day SIP 1025 PSIG.