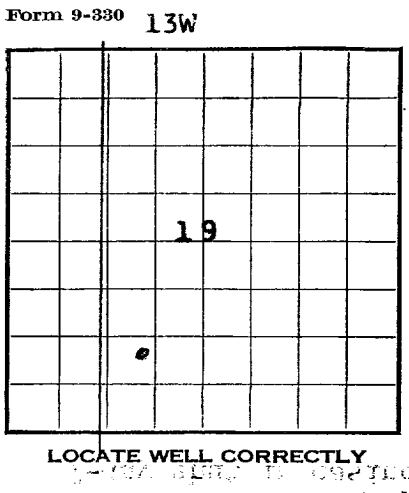
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079877
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED DEC 11 1962 OIL CON. COM. DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Compass Exploration, Inc. Address 101 University Blvd., Denver, Colo.

Lessor or Tract Butte Field Basin-Dakota State New Mexico

Well No. 1-19 Sec. 19 T. 30N R. 13W Meridian NMPM County San Juan

Location 1060 ft. {N/S} of S Line and 790 ft. {E/W} of W Line of Sec. 19 Elevation 5559
(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 J. Farelly

Date December 6, 1962 Title Chief Geologist

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

Commenced drilling 7/9, 19 62 Finished drilling 7/26, 19 62

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5922 to 6040 (G) 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. 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
8-5/8"	24	8 Rd	CF&I	189'	Tex Pat				Surface
4-1/2"	10.5	8 Rd	CF&I	6187.38	Baker		5922	6040	Prod.
1-1/2"	2.4#	10 Rd	Vinson	6033					Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	200'	125 sx	Pump & Plug	=	=
4-1/2"	6198	175 sx	Pump & Plug	=	=

FOLD — MARK

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
Frac with 107,052 water & 95,000 20-40 sd in 3 stages						

TOOLS USED

Rotary tools were used from Surface feet to 6199(TD) feet, and from feet to feet

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

DATES

, 19 Initial Potential ~~Put to producing~~ 8/9, 19 62

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

Huron Drilling Company, Inc, Driller D. Adcock, Toolpusher, Driller

Dallas, Texas, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	1340	1340	Cretaceous-undiff., Sand,shale, coal
1340	1430	90	Pictured Cliffs - sand
1430	2398	968	Lewis - shale
2398	2845	447	Mesaverde Transition - sand & shale
2845	3013	168	Cliff House - sand w/some shale
3013	3725	712	Menefee, - Sand, shale, coal
3725	4195	470	Point Lookout - sandstone w/sme
4195	5055	860	Mancos, - shale
5055	5568	513	Gallup, - Siltstone, shale
5568	5815	247	Lower Mancos - Shale
5815	5870	55	Greenhorn, Ls. Argile
5870	5921	51	Graneros - Shale
5921	6199 (TD)	278	Dakota - w/sme sandstone & shale

FROM— TO— TOTAL FEET FORMATION

[OVER]

16—48094-4

FORMATION RECORD—CONTINUED

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

Spud 7/9/62. Drilled 205', 12-1/4" hole. Ran 189' 8-5/8" surface casing Set @ 200' KB w/125 sxs regular.

Drilled 7-7/8" hole to total depth 6199'. Ran IES and GRS log.

Ran 194 jts 4-1/2" production casing set @ 6198' w/175 sxs cement.

Perforated selected intervals 5922-34, 5946-56, 5986-6004, 6010-14, 6030-40 w/4 shots/ft.

Frac as follows: First Stage: 6010-40, 30,000 # 20-40 sd., 36,162 gal water. ITP 2600 psi, AIR 39.6 Bbls/min.
Second Stage: 5986-6004, 40,000# 20-40 sand, 38,050 gal water. ITP 2700 psig. AIR 38.6 Bbls/min.

Third Stage: 5922-34, 5946-56, Frac. 25,000# 20-40 sd., 32,840 gal water. ITP 2200# AIR 38.3 Bbl/min.

Picked up tubing & drilled bridge plugs.

Ran 186 jts 1-1/2", 2.4# 10 Rd. tubing set @ 6044'.

Initial potential test 8/9/62
Gauge 2391 MCFGPD
CAOF 2931 MCFGPD

7-day shut in tubing press. 1891 psig
7-day shut in casing press. 1901 psig

FOR OIL OR GAS ONLY

GEOLOGICAL SURVEY

OF WELLS ON THE PUBLIC

PUBLIC LANDS