



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

Form 9-330

U. S. LAND OFFICE Denver, Colo.

SERIAL NUMBER 0682

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Co. Address Box 908, Craig, Colorado

Lessor or Tract Lot 14 Field Thornburg State Colorado

Well No. 330 Sec. 8 T. 3N R. 7E Meridian 6th P.M. County Moffat

Location 330 ft. N of 330 Line and 1650 ft. E of 330 Line of Section 8 Elevation 6916 or 6926 (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 G. L. CORRELL Title District Superintendent

Date 7-5-56

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

Commenced drilling 4-29-56, 1956 Finished drilling 6-10-56, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 10 3/4 to 20 1/2 No. 4, from 10 3/4 to 20 1/2

No. 2, from 20 1/2 to 21 1/2 No. 5, from 20 1/2 to 21 1/2

No. 3, from 21 1/2 to 22 1/2 No. 6, from 21 1/2 to 22 1/2

IMPORTANT WATER SANDS

No. 1, from 10 3/4 to 20 1/2 No. 3, from 20 1/2 to 21 1/2

No. 2, from 20 1/2 to 21 1/2 No. 4, from 21 1/2 to 22 1/2

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
10 3/4"	32.75	8 Rd	H-40	191 RB Baker				Surface
7"	20 1/2	8 Rd	H-40	125 RB Baker				Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	191 RB	100 Reg.	Rocky Mtn.		
7"	125 RB	125 reg. w/4% gel			
		125 reg.			

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

TOOLS USED

Rotary tools were used from 0 feet to 4430 TD feet, and from _____ feet to _____ feet

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

DATES

6-25-56, 1956 Put to producing 6-23-56, 1956

The production for the first 24 hours was 251 barrels of fluid of which 96 % was oil; 0 %

emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 26.2 @ 60°

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. D. Skiles, Drilling Foreman, Driller _____, Driller _____


_____, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1819	2208	389	Frontier
2208	2355	147	Dakota
2355	2832	477	Morrison
2832	3121	289	Entrada
3121	3553	432	Chinle
3553	3682	129	Shinarump
3682	4270	588	Moenkopi
4270	4430	160	Weber

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	DATE	FORMATION
				 081-05036
1510	1730	120	Merel	
3085	1510	288	Wesley	
3223	3085	138	Spencer	
3757	3223	534	Smith	
5835	3757	1078	Miller	
5322	5835	513	Mulligan	
5308	5322	14	Decker	
1878	5308	342	Longley	
FROM-	TO-	TOTAL FEET	DATE	FORMATION

LOCATION RECORD

1. D. SKILES' BUILDING	Differ	Differ
	Differ	Differ
EMPLOYEES		
Rock Bros & Co' Ipa bel ad in		
H & S mfg' co. in bel 34 points		Carbons Gasoline bel 1'000 gal. in of gas
emulsion: 100 water: and 100 sediment.		Glycerin, 100. 100. 100.
The production for the first 34 points was 100		papers of kind of which 100 100 was on: 100
100-100-100		But to production 100-100-100

DATA

Cable tools were used from ----- 1961 to ----- 1961 and from ----- 1961 to ----- 1961
 Rotary tools were used from 0 ----- 1961 to 1960 10 ----- 1961 and from ----- 1961 to ----- 1961

TOOLS USED

[illegible]

SHOOTING RECORD

Labels—Material	Size		
Heavy duty—Material	Length	Depth set	

PLUGS AND ADAPTERS

[illegible]

MUDDING AND CEMENTING RECORD

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.

Well spudded 4-29-56. Drld 9" hole to 251', reamed to 13 3/8" to 219',
OD 92.75" 40 frac casing set 191' and cemented
w/100 sx reg. Drld to 2668' RB and ran DST #1. 2489-2621' Morrison. To
open 1 hr, shut in 30 min, gas to surf. in 15 min. Not enough to measu
re 200# PP 280#, HH 3605#. Rec. 620' wor. Drld to 4248'. Core #1, 424
65'. Weber Sand. Reddish med. to fine grained, very tite, non-calc.
Shows good purple fluorescence. Attempted 14' w/full rec. Core #2 from
4259'-72', 18' cut, full rec. med to fine grain, very tite, no show.
1' very coarse grain, no show. Core #3 4272-87', rec. 14' hard tite gr
sand, no odor, no show. Core #4 from 4287'-94'. Rec. 7' same crip, no
show. Core #5 from 4294-4306', rec. 12' hard tite grey sand. Frac. go
odor, bleeding oil throughout. Core #6 4306-4313'. Rec. 6' same as cor
#5, good show in bottom 5'. DST #2 from 440-4313. Weber Sand. Tool ope
1 hr, shut in 30 min, very weak show throughout. Gas to surface in 27 min
Rec. 1140' mud cut oil. Ran 425# SIP 1550#, DST #3 from 4297-43
Weber. Tool open 2 hrs, shut in 30 min, gas to surface in 27 min. No m
sure, rec. 1470' oil slightly mud cut. Cored from 4313 to 4374, attempt
to establish oil water contact. Core #11 from 4374-4401, rec. 24' sand
stone, grey to white. Very fine grained w/med. stained lenses 1/16-1/8"
thick, same stained w/good petraliferous odor, fair flor, hard tite, n
porosity. Frac. from 4384-85 5'. Vert. and oblique frac. did not appear wet. The tite
Core #12 Weber. Rec. 13' white sandstone, very fine grained. Extremely
hard and tite no porosity. Very highly calc. Sulfur odor on fresh fra
No water. Vert. frac. throat length. Core #13 4411-4430, full rec. S
stone grey to white. Very fine grained, s/calc. fair porosity, strong
foul odor, wet on frac. Very and oblique frac. entire length. Core gave
water condensate in plastic core bags. Ran 140 jts of 7" OD 20# J-55
casing set on 4343' cemented w/125 sx reg. 8 1/2" 40 frac and 125 sx reg. Ran
McCallough, Gamma Ray, Neutron, MS logs 6-12-56. Perf. 4260-4330 w/6 -
1/2" bullets per foot. Acidized with 750 gal 26% HCl at 1200 psi pressure 12
Breakdown pressure 600#. Oil squeeze at 400 bbl. lease curde. Breakdwn
1800#, treating 3 bbls. per min @ 2200'. 6 bbls. per min @ 2500#. Rig
released 6-14-56. Ran tubing, rods, and pump 6-22-56.

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEASE OR PERMIT TO PROSPECT -----

DEBIVT NAMBER

А. С. ГРИНД ОЛЫС

УДБЛОАУЈ ЕХБРЕЗ 13-31-00'

Видеот, Вилсон И° 13-В3444

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