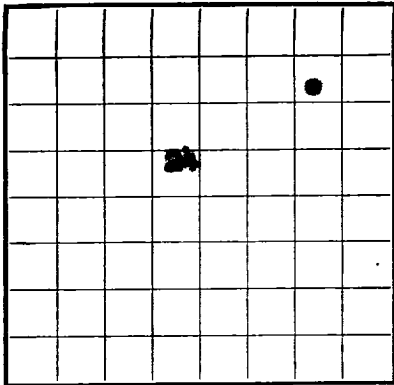




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **27-0470173**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APR 2 1959

GEOLOGICAL

LOG OF OIL OR GAS WELL

Company **Angels Peak Oil Company** Address **1031 Bart Building, Dallas, Texas**
Lessor or Tract **Angel Peak** Field **Wildcat** State **New Mexico**
Well No. **20-2** Sec. **24** T. **28N** R. **11W** Meridian **N.M.P.M.** County **San Juan**
Location **890** ft. **N** of **N** Line and **890** ft. **E** of **E** Line of **Section 24** Elevation **5869'**
(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 **L. S. Munnick** Title **Exploration Engineer**Date **March 30, 1959**

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

Commenced drilling **February 9**, 19**59** Finished drilling **February 25**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **6888'** to **6940' (G)** No. 4, from _____ to _____
No. 2, from **6350'** to **6402' (G)** No. 5, from _____ to _____
No. 3, from **6492'** to **6507' (G)** 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"	32.75	8RD	5-13	180'					Surface Production
5-1/2"	18.5	8RD							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	119'13"	160	Ballston		
5-1/2"	6598'13"	160	Ballston		
2"	6340'				

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
7/8"	600'	600'	1/10,000'	and 1/10,000'	and 1/10,000'	and 1/10,000'
3/4"	600'	600'	1/10,000'	and 1/10,000'	and 1/10,000'	and 1/10,000'
2"	600'	600'	1/10,000'	and 1/10,000'	and 1/10,000'	and 1/10,000'

TOOL USED

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

DATES

March 11, 1959, 19____ 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 **8590 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____

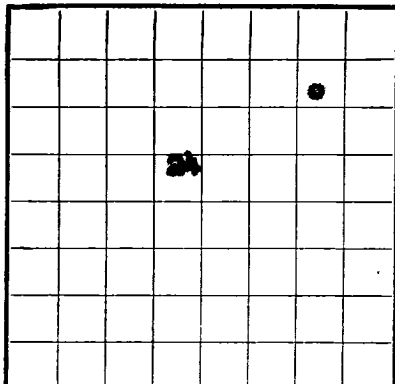
Rock pressure, lbs. per sq. in. **2077 (7 days)**

EMPLOYEES
Harco Drilling Company, Driller **R. L. Fisher**, Driller
T. L. Ashbrook, Driller **Hollis Hammond**, Driller

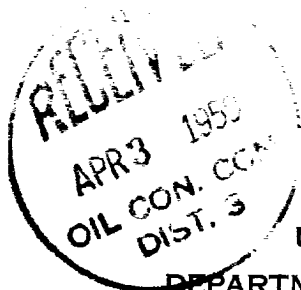
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	4990	4990'	Sand and shale
4990	5123	133'	Shale
5123	6378	1255'	Sand & Shale
6378	6403	25'	Sand
6403	6404	21'	Sand & Shale
6404	6406	62'	Sand
6406	6600 TD	114'	Sand & Shale
			TOPS:
			Pictorial Cliffs 1870'
			Cliff House 3422'
			Point Lookout 4225'
			Gallup 5423'
			Greenhorn 6200'
			Dakota 6207'

[OVER]



LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **SP-0470273**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APR 2 1959

GEOLOGICAL

LOG OF OIL OR GAS WELL

Company **Angels Peak Oil Company** Address **1002 Burt Building, Dallas, Texas**
Lessor or Tract **Angel Peak** Field **Wildcat** State **New Mexico**
Well No. **20-3** Sec. **24** T. **28N** R. **11W** Meridian **N.M.P.M.** County **San Juan**
Location **890** ft. **N.** of **1** Line and **890** ft. **E.** of **2** Line of **Section 24** Elevation **5869'**
(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

Date **March 30, 1959**Title **Exploration Engineer**

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

Commenced drilling **February 9**, 19**59** Finished drilling **February 25**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **6088'** to **6340' (G)** No. 4, from _____ to _____
No. 2, from **6350'** to **6402' (G)** No. 5, from _____ to _____
No. 3, from **6492'** to **6507' (G)** 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"	32.75#	8RD	3-40	100'				Surface	Protection
5-1/2"	18.5#	8RD							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	110' to 119'	100	Halliburton		
5-1/2"	6598' to 6598'	160	Halliburton		
2"	6340'				

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
7000'	6450-6507'	6350-6402'	1/40,000'	and 60,000 gals water.	11-53.6 RPM	dropped 300 rubber balls
7000'	6402-6492'	6402-6507'	1/40,000'	and 35,000 gals water	11-51 RPM	dropped 180 rubber balls

-0-

TOO CLOSE

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

March 11, 1959

DATES

_____, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

Harco Drilling Company

EMPLOYEES

R. L. Fisher**T. L. Ashbrook**, Driller

_____, Driller

_____, Driller

Hollis Hammond, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	4990	4990'	Sand and shale
4990	5123	133'	Shale
5123	6378	1255'	Sand & Shale
6378	6403	25'	Sand
6403	6404	21'	Sand & Shale
6404	6406	62'	Sand
6406	6600 TD	114'	Sand & Shale
			TOPS:
			Pictured Cliffs 1870'
			Cliff House 3402'
			Point Lookout 4025'
			Gallup 5423'
			Greenhorn 6000'
			Dakota 6287'

[illegible]

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.

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

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