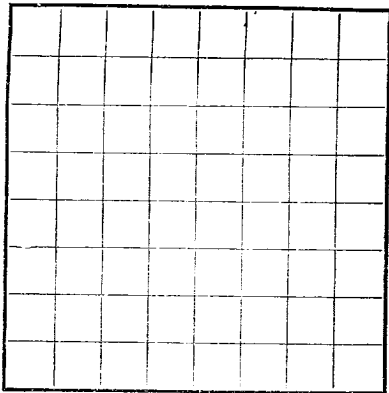




LOCATE WELL CORRECTLY

4 - ~~Swain~~ ^{U.S.G.S.}
3 - ~~Swain~~
1 - ~~Region~~
1 - ~~File~~U. S. LAND OFFICE Jicarilla
SERIAL NUMBER Tr #165, Cont. #82
LEASE OR PERMIT TO PROSPECT Indian "E"UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

MAY 14 1954

GEOLOGICAL SURVEY
WASHINGTON, D. C.

LOG OF OIL OR GAS WELL

Company Phillips Petroleum Co. Address Box 939, Aztec, New Mexico
Lessor or Tract _____ Field Wildcat State New Mexico
Well No. 1 Sec. 31 T. 29N R. 3E Meridian N.M.P.M. County Do Arriba
Location 890 ft. N of N Line and 1700 ft. E of E Line of section Elevation 7022
(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 Carl StumDate May 14, 1954 Title Carl Stum
District SuperintendentThe summary on this page is for the condition of the well at above date Production DepartmentCommenced drilling 4-5-54, 19____ Finished drilling 4-28-54, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3314 to 3314 No. 4, from 3688 to 3832
No. 2, from 3454 to 3572 No. 5, from 3832 to 3905 (TD)
No. 3, from 3572 to 3688 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 3314 to 3454 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	
9-5/8"	19.44	3 1/2	Weldline	140'	Halliburton				
7"	29.0	3 1/2	"	1062'	"				
7"	20.8	3 1/2	"	1062'	Halliburton				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	172.20'	200	Halliburton	-	-
7"	3882.01'	250	"	-	-

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
None						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3905 feet, and from _____ feet to _____ feet~~no~~ drill cement plug only

_____, 19____ Put to producing _____, 19____

May 13, 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. 20,060.2 cc

1090 psi EMPLOYEES

_____, Driller _____, Driller
J. M. Mann - Lease Foreman _____, Driller _____, Driller

FORMATION RECORD

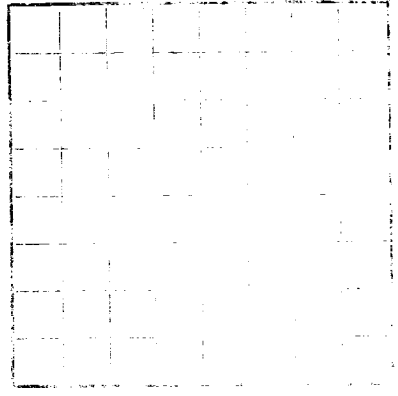
FROM—	TO—	TOTAL FEET	FORMATION
0	3314	3314	Sand & shale.
3314	3454	140	and - Ojo Alamo
3454	3572	118	sandy shale & sand - Kirtland
3572	3688	116	sand & shale - Kirtland
3688	3832	144	sandstone & shale - Upper Pictured Cliff
3832	3905	73	sandstone - Lower Pictured Cliff

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES



Form 9-513

4-2-52

DATE OF LOGGING

NAME OF WELL

NAME OF OPERATOR

STATE

COUNTY

TOWNSHIP

RANGE

SECTION

WELL NO.

DATE OF LOGGING

NAME OF WELL

NAME OF OPERATOR

STATE

COUNTY

TOWNSHIP

RANGE

SECTION

WELL NO.

DATE OF LOGGING

NAME OF WELL

NAME OF OPERATOR

STATE

COUNTY

TOWNSHIP

RANGE

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WELL NO.

DATE OF LOGGING

NAME OF WELL

NAME OF OPERATOR

STATE

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RANGE

SECTION

WELL NO.

DATE OF LOGGING

NAME OF WELL

NAME OF OPERATOR

STATE

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TOWNSHIP

RANGE

SECTION

WELL NO.

DATE OF LOGGING

NAME OF WELL

NAME OF OPERATOR

STATE

COUNTY

TOWNSHIP

RANGE

SECTION

WELL NO.

DATE OF LOGGING

NAME OF WELL

NAME OF OPERATOR

STATE

COUNTY

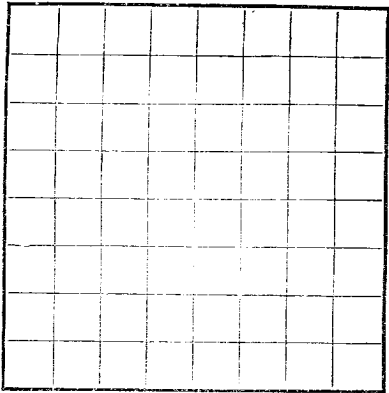
TOWNSHIP

RANGE

SECTION

WELL NO.

DATE OF LOGGING



LOCATE WELL CORRECTLY

4 - ~~Grille~~ **U.S.G.S.**
3 - **Brille**
1 - **Region**
1 - **Pile**

U. S. LAND OFFICE **Jicarilla**
SERIAL NUMBER **Tr 165, Cont. #82**
LEASE OR PERMIT TO PROSPECT
Indian "B"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAY 14 1954

LOG OF OIL OR GAS WELL

Company **Phillips Petroleum Co.** Address **Box 939, Alamo, New Mexico**
Lessor or Tract _____ Field **Alamo** State **New Mexico**
Well No. **1** Sec. **31** T. **29N** R. **3E** Meridian **N.T.M.** County **Do Arriba**
Location **2001** ft. **N** of **Line** and **1700** ft. **E** of **Line** of **Section** Elevation **7022**
(Derrick floor relative to 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 **Carl Krum**

Date **May 14, 1954** Title **District Superintendent**

The summary on this page is for the condition of the well at above date **Production Department**

Commenced drilling **4-7-54**, 19____ Finished drilling **4-28-54**, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1111** to **1651** No. 4, from **3528** to **3832**
No. 2, from **3454** to **3572** No. 5, from **3832** to **3905 (to)**
No. 3, from **3572** to **3688** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **3314** to **3454** 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—	
9-5/8"	19.4	spiral	old mcp	160'	Halliburton				
7"	23	8	J-35	1962'					
7"	20	8	J-55	1383'	Halliburton				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	172.20'	270	Halliburton	-	-
7"	3882.01'	250	"	-	-

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
None						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **3905** feet, and from _____ feet to _____ feet

~~xxx~~ **drill cement plug only**

_____, 19____ Put to producing _____, 19____

May 13 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. **20,000.2**

1090 psi EMPLOYEES

_____, Driller _____, Driller
J. N. Mann - Lease Foreman, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3314	3314	Sand & shale.
3314	3454	140	Sand - Ojo Alamo
3454	3572	118	Sandy shale & sand - Kirtland
3572	3688	116	Sand & shale - Kirtland
3688	3832	144	Sandstone & shale - Upper Pictured Cliff
3832	3905	73	Sandstone - Lower Pictured Cliff

