

Form 981b 9 1956
(April 1952)

JERRY W. LONG	ENGINEER
ACTING DISTRICT	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

Indian Agency **Navajo**
Allottee **Hosko-Da-Wot**
Lease No. **93177**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	2
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

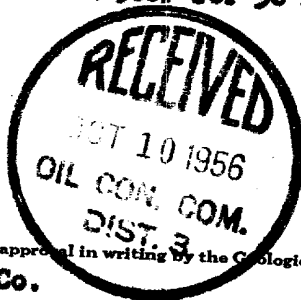
Benally **Denver, Colorado** **August 29, 1956**
Well No. **1** is located **660** ft. from **N** line and **660** ft. from **E** line of sec. **5**
SW/4 Sec. 5 **25N** **12W** **NMPN**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Histi - Gallup **San Juan County** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ **ground** above sea level is **6201** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 12 midnight 8-23-56. Drilled to 221, reamed to 15" to 209. Ran 6 joints 10-3/4" OD 8rd thd 32.75# J-55 ST&C casing set at 208' RKB. Cemented with 175 sacks regular bulk cement. Plug pumped to 186' at 3:15 p.m. 8-24-56. Cement circulated. WOC 24 hours. Tested casing with 700# for 30 minutes, held OK. Drilled shoe, tested with 500# for 30 minutes, held OK.



RECEIVED

AUG 30 1956

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Phillips Petroleum Co.**

Address **1200 Denver Club Bldg.**

Denver 2, Colorado

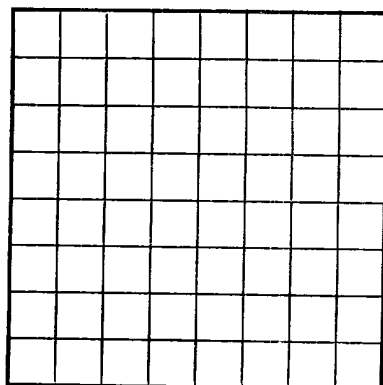
By **W.M. Schul**

Title **Division Superintendent**



Form 9-330

U. S. LAND OFFICE Navajo
SERIAL NUMBER 14-20-603-1292
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Million Petroleum Co. Address 1200 Denver Club Bldg., Denver, Colo.
Lessor or Tract Hoska-La-ot Field Bisti State New Mexico
Well No. Benally Sec. 5 T. 25N R. 12W Meridian NBPM County San Juan
Location 660 ft. of S. Line and 660 ft. of E. Line of Section 5 Elevation 6211
(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.

Date October 16, 1956 Signed W. H. Schul
Title Division Superintendent

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

Commenced drilling August 23, 1956 Finished drilling September 9, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4770 to 4790 No. 4, from _____ to _____
No. 2, from 4800 to 4835 No. 5, from _____ to _____
No. 3, from 4900 to 4920 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—	
<u>10-3/4"</u>	<u>208</u>	<u>8</u>	<u>J-55</u>	<u>5012'</u>	<u>Hall.</u>	<u>4876</u>	<u>4886</u>	<u>4902</u>	<u>Prod.</u>
<u>5-1/2"</u>	<u>84</u>	<u>8</u>	<u>J-55</u>	<u>5012'</u>	<u>Hall.</u>	<u>4890</u>	<u>4890</u>	<u>4902</u>	<u>Prod.</u>
						<u>4890</u>	<u>4890</u>	<u>4902</u>	<u>Prod.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4"</u>	<u>208'</u>	<u>175</u>	<u>Halliburton</u>		
<u>5-1/2"</u>	<u>497'</u>	<u>250</u>	<u>"</u>		

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 5027 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 16, 1956 Put to producing October 14, 1956
The production for the first 24 hours was 450 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 37
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Herman Oil & Drilling Co., Driller _____, Driller
_____, Driller _____, Driller

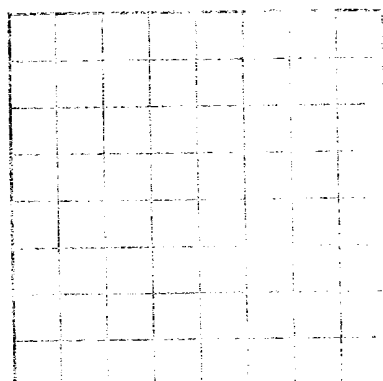
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>502</u>	<u>502</u>	<u>Tertiary</u>
<u>502</u>	<u>1152</u>	<u>650</u>	<u>Kirtland-Fruitland. Shale w/sand streaks and some coal streaks.</u>
<u>1152</u>	<u>1345</u>	<u>193</u>	<u>Pictured Cliffs. Sand, salt and pepper, medium to fine grain.</u>
<u>1345</u>	<u>1502</u>	<u>157</u>	<u>Lewis. Shale, few sandy streaks.</u>
<u>1502</u>	<u>3600</u>	<u>2098</u>	<u>Mesaverde. Sand, fine medium grain, light grey and interbedded shale. Few coal beds.</u>
<u>3600</u>	<u>3775</u>	<u>175</u>	<u>Point Lookout. Sand, light grey, med. coarse grain, massive, appears water bearing.</u>
<u>3775</u>	<u>4627</u>	<u>852</u>	<u>Mancos. Shale, dense, dark grey, some carb-onaceous shale.</u>
<u>4627</u>	<u>4943</u>	<u>316</u>	<u>Gallup. Interbedded sand and shale. Sand having good oil shows.</u>
<u>4943</u>	<u>5027</u>	<u>84</u>	<u>Lower Mancos. Shale.</u>

(OVER)

DOWNHOLE RECORD—Continued

16-43094-1



LOG OF OIL OR GAS WELL

10-17-56, pumped 450 barrels oil, no water, 24 hours, 14-54 B.M.
and 10-13-56 recovered all lost oil and installed pumping equipment. In on
job completed 8-13-56. Total lost oil to recover 3,006 barrels. Between 9-13-56
allotted at 39.6 B.M. at 2,000#. Flushed w/70 barrels oil in formation at 2,200#.
with 20 barrels oil, 2,200# to 1,600#. Traced w/50,000 gallons oil, 1# sand per
plug set 4850', perforated 408 3/4" w/ 15/32" gun shots per foot. Broke formation
5 minutes. Opened on 3/4" choke, flowed 8 bbls oil and died. Ran Baker bridge
barrels oil into formation at 47.4 B.M. at 2,200#. Pressure dropped to 900# in
gallons oil, 1# sand per gallon, injected at 47.4 B.M. at 2,200#. Flushed w/70
4890-4902. Broke formation w/40 barrels oil, 2,700# to 2,000#. Traced with 40,000
perforated by lane wells 5 1/2" w/ 15/32" bullets 4 shots per foot 4876-56 and
4953. 9-9-56. WOC 24 hours, tested casing w/500# for 30 minutes, held okay.
casing, set 4997' RKB and cemented w/250 sacks regular cement. Plug jumped to
with 700# 30 minutes, held okay. Drilled shoe, tested w/500# 30 minutes, okay.
casing set 208' RKB w/175 sacks regular cement. WOC 24 hours, tested casing
spudded 8-23-56. Drilled to 221', turned hole to 15" to 209', ran to 3/4"

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
"struck" 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

FROM	TO	TOTAL FEET	FORMATION
FORMATION RECORD			
EMPLOYEES			
DATES			
TOOLS USED			
SHOOTING RECORD			
PLUGS AND BRIDGES			
MIDWINTER AND WINTERING RECORD			