

U. S. LAND OFFICE **Santha Fe**
SERIAL NUMBER **070991**
LEASE OR PERMIT TO PROSPECT _____
Gov. Benthit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APR 25 1957

LOCATE WELL CORRECTLY

Company The British-American Oil Producing Co. Address Box 180 - Denver 1, Colorado
Lessor or Tract Benthit "B" Field Bisti-Gallup State New Mexico
Well No. B-10 Sec. 28 T. 24N R. 13W Meridian New Mexico P.M. County San Juan
Location 640 ft. SK of N Line and 1940 ft. SK of W Line of BM/4 Elevation 6256
(Describe Bear Relative to Corner)

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. E. Sisk**
Date **April 23, 1957** _____ Title **District Engineer**

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

Commenced drilling March 23, 1957 Finished drilling April 14, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ----- to -----

No. 2, from ----- to -----

No. 3, from ----- to -----

No. 4, from ----- to -----

No. 5, from ----- to -----

No. 6, from ----- to -----

RECEIVED

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—	
9-5/8	25.4	Slip Th.	Armes	200'	Truss				
5-1/2	24	Slip Th.	Armes	200'	Truss				

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 5230 LB feet, and from _____ feet to _____ feet

Cable tools were used from 5143 LB feet to 5236 LB feet, and from _____ feet to _____ feet

DATES

Put to producing April 14, 19 57

The production for the first 24 hours was 199 barrels of fluid of which 100% was oil; 00% emulsion; 00% water; and 00% sediment. Gravity, °Bé. 37.2

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____ **Force Drilling Company** _____, Driller _____, Driller
 _____, Driller _____, Driller

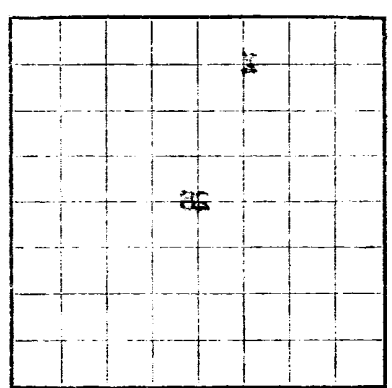
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	SEE ATTACHED: Induction - Electrical Logs Micro Log Sample Report Completion Data		

State of Texas
County of Bexar
City of San Antonio
Name of Well
Date of Completion

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company Name: San Antonio Oil Field
Location: San Antonio, Bexar County, Texas
Well No.: 101
Date of Completion: April 23, 1937
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.
Original Signed By: I. A. Smith
Signed: I. A. Smith

The summary on this page is for the condition of the well at above date.
Commenced drilling: March 23, 1937
Finished drilling: April 23, 1937

OIL OR GAS SANDS OR ZONES

No.	From	To
No. 1	from	to
No. 2	from	to
No. 3	from	to

IMPORTANT WATER SANDS

No.	From	To
No. 1	from	to
No. 2	from	to

CASING RECORD

Casing	Size	Weight	Threads	Make	Amount	Kind of shoe	Out and pulled from	Perforated	Purpose
2-1/2	22.4	31.1	7.5	3001	3001				

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 the 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, position, and number of shots. If plugs or liners were put in the well, state size, position, and number of shots. If any other work was done, state fully.

MUDDING AND CEMENTING RECORD

Casing	Size	Weight	Threads	Make	Amount	Kind of shoe	Out and pulled from	Perforated	Purpose
2-1/2	22.4	31.1	7.5	3001	3001				

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

Size	Shot used	Explosive used	Quantity	Date	Depth of shot	Depth of casing on

TOOLS USED

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

DATES

The production for the first 24 hours was 100 barrels of fluid of which 100 was oil.
If gas well, cut ft. per 24 hours 37.2
Rock pressure, lbs. per sq. in. 37.2
Emulsion: no water; and no sediment.

EMPLOYEES

Driller	Driller
Driller	Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
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Induction - Micro log
Sample taken
Completion data

GEOLOGICAL COMPLETION REPORT FOR
BRITISH-AMERICAN #B-10 DOUTHIT

Well Classification:

Development well, Bisti-Gallup
San Juan County, New Mexico
British-American #B-10 Douthit
C NE NW Section 28-26N-13W

RECORDED
APR 25 1957
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Well Data:

Commenced drilling:	March 26, 1957
Completed drilling:	April 3, 1957
Contractor:	Foree Drilling Company
Casing Record:	Set 9 5/8" @ 213.95 K.B. w/175 sax reg cmt. Set 5 1/2" @ 521.9 K.B. w/100 sax cmt 3% gel.
Elevation:	6300 G.I.; 6310 K.B.
Total Depth & Datum:	Driller 5230+1080 E.S. 5236+1074
PPTD, Datum & Formation:	5208+1102 Gallup

Completion Data:

Producing zone:	Gallup	Net Pay:
		19' Perforated
Perforations and treatment:	Perf. 5030-99 w/16 GM jets 4/ft. Sand-oil frac w/20,000 galls oil & 20,000 # sd.	
<u>Fluid to Formation</u>	<u>Pressure</u>	<u>Inj. Rate</u>
Breakdown Oil	3250	
5000 # sd & 5000 galls oil	2950-2575	32
22 Balls	3000	
5000 lbs sd & 5000 galls oil	3000-2825	30
22 Balls	3350	
5000 lbs sd & 5000 galls oil	3350-3000	28
22 Balls	3500	
5000 lbs sd & 5000 galls oil	3500-2850	26
137 BO flush	2350	26
Initial Production:	190 bbls oil & no water in 24 hrs. 12 x 54 3FM -TP 20 CP 20	GOR:

Geological Data:

Logging Data:

Samples:	10' from 5000-T.D.	Stored: American Strati-
E.S.-Induction:	2" 213-5236 K.B.	graphic Co., Denver, Colo
	5" 1200-1500; 3200-4200; 4900-5236	
Microlog:	Same as 5" E.S.-Induction	
Gamma Ray:	1200-1500; 2792-4200; 4394-5205	
Geolograph:	213-5230 K.B.	

Formation Record:

<u>Sample Top</u>	<u>Schl. Top.</u>	<u>Schl. Datum</u>
Pictured Cliffs	1423	+4387
Mesaverde	1685	+4625
Point Lookout	3870	+2440
Mancos	4030	+2260
Upper Gallup	4990	+1320
Gallup Pay	5071	+1239

Core Record:

No cores taken.

Drill Stem Test Record:

None.

COMMENTS - BRITISH-AMERICAN DOUTHIT B-10

The British-American Douthit B-10 was drilled as a development well in the C NE NW section 28-26N-13W. Upper Gallup was picked from the E.S. log at 4990 (+1320) and the Gallup pay at 5071 (+1239).

The upper zone was well developed with 15 foot of Microlog separation in the interval from 5080-5096. Maximum short normal resistivity value was 50 ohms from 5082-5086 and the S.P. value was 55 millivolts.

The lower zone as picked on the S.P. curve was from 5134-5144. This zone which was becoming very shaley and clay filled in the Douthit B-5, C SW NE section 28-26N-13W has completely lost the character of the short normal resistivity curve displayed in this zone, when it can be expected to produce. As shown on the accompanying cross-section, this zone has either become wet or so very clay filled as to cause a drop in the resistivity curve and there is no indication of production.

The upper zone was perforated and fractured and is producing approximately 190 barrels of oil per day.

The East & South offsets are recommended for development drilling and the West offset can be better evaluated with the completion of the Douthit E-11 in the C NE NE section 29-26N-13W, which is currently drilling.

H. A. Holton

SAMPLE REPORT

Date

WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
Brittish-American #B-10 Douthit Platt-Gallup Area C NE NW section 28-26N-13W San Juan County, New Mexico	5000	5010		5% sltst, gr-vfg, s&p, hd & tl, 95% sd, gr, olive, gr-brn, arg & mlc.
	5010	5020		Same
	5020	5030		10% do, 90% do.
	5030	5040		5% do, 95% do.
	5040	5050		2% do, 98% do.
	5050	5060		1% do, 99% do.
	5060	5070		100% sh, gr-brn-blk, few arg & mlc, consl carb.
	5070	5080		Same w/few sltst & sdy sh.
	5080	5090		3% ss, fg, cln, sl galu & mlc, well dev, fair p&p, 5% sdy sd, glau & mlc, vfg, tl cly fill, 92% sl do.
	5090	5100		2% ss do, 5% shly sd do, 93% do.
	5100	5110		Tr es, cln well dev do, 5% shly sd do, 94% sh do.
	5110	5120		Same
	5120	5130		2% shly sd do, 10% sdy sh, gr-blk, vfg, hd & tl, 38% sdy sh
	5130	5140		10% ss, shly, vfg, s&p, hd & tl, v cly fill, 10% v sdy sh do, 80% sh do.
	5140	5180		Same
	5180	5190		100% sdy sh & sltst.
	5190	5230		Same

GEOLOGIST H. A. Holton