

A 10x10 grid with a point labeled '1' at (4, 4) and a point labeled 'x' at (6, 7).



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078155
LEASE OR PERMIT TO PROSPECT Morgan

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company British-American Oil Producing Co. Address Box 180 - Denver 1, Colorado
Lessor or Tract Marye Field Bisti-Gallup State New Mexico
Well No. 6 Sec. 1 T. 25N R. 13W Meridian New Mexico P.M. County San Juan
Location 1800 ft. SE of N Line and 1800 ft. EW of E Line of NE/4 Elevation 6226 DF
(Describe bore hole in case lost)

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 _____

Original Signed By:
J. E. Stein

Date March 6, 1957

Title ~~District Engineer~~

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

Commenced drilling January 21, 1957 Finished drilling February 12, 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 _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	213	200	Roaky Mm.		
5-1/2	4999	100	Roaky Mm.		

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 5000 KB feet, and from _____ feet to _____ feet

Cable tools were used from 4934 KB feet to 4970 KB feet, and from _____ feet to _____ feet

DATES

February 4, 1957 Put to producing February 15, 1957

The production for the first 24 hours was 173 barrels of fluid of which 100 % was oil; - % emulsion; - % water; and 1.6 % 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. -----

EMPLOYEES

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

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
	See Attached :		
	Geological Completion Report		
	Sample Report		
	Injection - Electrical Log		
	Microlog		

GEOLOGICAL COMPLETION REPORT FOR
BRITISH-AMERICAN #6 MARYE

Well Classification:

Development well, Bisti-Gallup
San Juan County, New Mexico
British-American #6 Marve
C 3W NE Sec. 1-25N-13W

Well Data:

Commenced drilling: January 24, 1957
Completed drilling: February 2, 1957
Contractor: Foree Drilling Company
Casing Record: 9-5/8" at 213.05 KB w/200 sax reg cmt.
5-1/2" at 4999 KB w/100 sax cmt 3% gel.
Elevation: 6213' GL; 6228' KB
Total Depth and Datum: E.S. and Driller 5000 + 1228
PBSD, Datum and Formation: 4970 + 1258 Gallup Sandstone

Completion Data:

Producing zone: Gallup sandstone Net Pay: 34' perforated

Perforations and treatment: Perf. 4881-83 w/4 jets/ft 35 gms.
Set packer at 4800 and squeezed w/25 sax reg cmt at 4000 PSI.
Perf. 4849-59; 4892-4900; 4903-14; 4920-30 w/4 jets/ft, 35 gms.
Multiple sand/oil frac w/30,000 gal oil and 30,000 lbs sd. Formation broke at 3400 PSI

Fluid to form	Press	Inj Rate
5000 lbs sd & 5000 gal oil	2000	36.6
25 Nylon balls	2200	30.0
5000 lbs sd & 5000 gal oil	2000	30.0
25 Nylon balls	2200	30.0
5000 sd & 5000 gal oil	2000	30.0
25 Nylon Balls	2200	30.0
5000 lbs sd & 5000 gal oil	2100	30.0
25 Balls - Injector failed	2100	34.0
5000 lbs sd & 5000 gal oil	2100	30.0
130 BO flush	2200	32.5

Initial Production: Pumped 189.18 EO and no water in 24 hours
14 x 54" SPM

GOR: 481

Geological Data:

Logging Data:

Samples: 10' from 4800-5000 STORED AT: American Stratigraphic Co., Denver, Colorado

British-American #6 Marye:

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Combination E.S.
& Induction Log:

2" 213-5000' K.B.
5" 1100-1350; 3450-3900; 4400-5000 K.B.

Microlog:

Same as 5" E.S.

Gamma Ray:

1000-1350; 3500-3900; 4500-4968 K.B.

Geolograph:

213-5000 K.B.

Formation Record:

	<u>Schl. Top</u>	<u>Schl. Datum</u>
Pictured Cliffs	1208	+ 5020
Mesa Verde	1510	+ 4718
Pt. Lookout	3660	+ 2568
Mancos	3840	+ 2388
Upper Gallup	4745	+ 1483
Gallup Pay	4831	+ 1397

Core Record:

None

Drill Stem Test Record:

None

SAMPLE REPORT

Date.....

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WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
British-American - Mary #6 Bisti-Gallup Area C SW NE Sec. 1-25N-13W San Juan County, New Mexico	4700	4710		Sample description starts in Lower Mancos Shale.
	4710	4730		Few siltst, gr-vfg, s&p, ti, 98% sh, gr-olive gr, sl mic, sly arg.
	4730	4740		Same
	4740	4750		Incr siltst - do sh do.
	4750	4760		Same
	4760	4770		10% siltst-ss, gr-vfg, s&p, hd & ti, 90% sh do.
	4770	4780		Same
	4780	4790		5% siltst-ss do, 95% do.
	4790	4800		Same
	4800	4820		2% siltst, gr-brn, vfg, hd & ti, 98% sh do.
	4820	4830		Same
	4830	4840		Tr siltst do, 99% sh, gr-blk, carb, foss frag.
	4840	4850		Same
	4850	4860		1% shly sd, brn, vfg, no p&p, 5% siltst, gr-vfg, do, 94% sh, gr-blk, mic & arg.
	4860	4870		Same
	4870	4880		5% ss-gr-brn, vf-f-mg, a-s.r., fair p&p, cln, sl cly fill, 5% siltst do,
	4880	4890		90% sh do.
	4890	4900		Same
	4900	4910		1% ss do, 2% ss wh, f-mg, a, calcite cmt, no p&p, few siltst, 96% sh do.
	4910	4940		5% shly sd, brn, vfg, v cly fill, no p&p, tr ss, wh do, tr sh, blk w/incl
	4940	4950		of wh sd w/calcite cmt, 93% sdy sh, gr-brn.
	4950	5000		5% shly sd, brn-tan, v cly fill, 95% sdy sh brn, few siltst.
				Same
				100% shly sd & sdy sh.
				Same.

 GEOLOGIST H. A. Holtom