

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078092
LEASE OR PERMIT TO PROSPECT _____

Gov. Douthitt

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The British-American Oil Prod. Co. Address Box 180 - Denver 1, Colorado
 Lessor or Tract Douthitt "B" Field Bisti-Gallup State New Mexico
 Well No. B-15 Sec. 28 T. 26N R. 13W Meridian New Mexico P.M. County San Juan
 Location 1980 ft. N of N Line and 660 ft. E of W Line of NW/4 Sec. 28 Elevation 6319.5 GL
 (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 Thomas M. Hogan / H

Date June 28, 1957 Title District Superintendent

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

Commenced drilling May 27, 19 57 Finished drilling June 25, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

Top No. 1, from from <u>Pictured Cliffs</u> @ <u>1419</u>	Top No. 4, from from <u>Mancos</u> xx @ <u>4032</u>
No. 2, from <u>Chaera</u> to <u>1707</u>	No. 5, from <u>Gallup</u> to <u>1985</u>
No. 3, from <u>Pt. Lookout</u> to <u>3877</u>	No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

Size casting	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 Jt.	Armco	200#	Texas				
5-1/2	16	8-14	Armco	527#	Galv			507#	508#
HIDLOKA OF CTS OK CYS ALMT									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	214! KB	200	Allied Cementers		
5-1/2	5200! KB	100	B.J. Service		

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 5200 feet, and from _____ feet to _____ feet
Cable tools were used from 5129 feet to 5182 feet, and from _____ feet to _____ feet

DATES

-----, 19----- Put to producing June 27, 19 57

The production for the first 24 hours was 164 barrels of fluid of which 100% was oil; no% emulsion; no% water; and no% 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

Free Drilling Company	Driller		Driller
	Driller		Driller

FORMATION RECORD

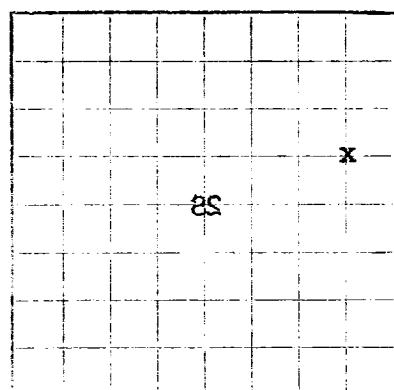
FROM—	TO—	TOTAL FEET	FORMATION
PBD - 5182	Loaded hole with 40 barrels	oil.	Perforated 5074-5092 with 4 - dyna jet
per foot.	Swabbed casing 2 hours and recovered	40 barrels	load oil and no water. Swabbed
casing 24 hours,	recovered	170 barrels	new oil, swabbing at rate of 6.5 per hour. Lost
hole and broke formation at 3000 psi,	1700 psi.	Fractured with 20,000 pounds sand and	20,000 gallons oil in four stages with 20 Nylon Balls per stage. Total of 680 barrels
load oil recovered.	Swabbed casing 5 hours,	recovered 110 barrels	load oil. Swabbed
7 hours and recovered	570 barrels	load oil and 30 barrels	new oil. Swabbed 23 hours,
recovered 581 barrels	new oil.	Rigged up and ran 163 joints 2-3/8" tubing,	landed separator at 5062.90,
perforated nipple at 5063.68-	5066.78.	Produced 164 barrels	oil in 24 hours
at 14 x 54.			
<u>DRILLERS LOG</u>			
0	215		Sand & Surface Gravel
215	591		Sandy Shale
591	1224		Sand with Shale
1224	1877		Sandy Shale
1877	2277		Shale & Sand
2277	2681		Sandy Shale
2681	2905		Shale & Sand
2905	3280		Sandy Shale
3280	3549		Shale with Sand Streaks
3549	3870		Sandy Shale
3870	3949		Shale & Coal
3949	4112		Shale
4112	4240		Sand & Shale
4240	5131		Shale
5131	5200		Shale & Sand

ECUADORIAN RECORD - CONCLUSIONS

Gov. Douglas
PLEASE OR PERMIT TO PROCEED
SERIAL NUMBER 073092
U. S. LAND OFFICE Santa Fe

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCALITY CORRECTLY

Location 1980 ~~xx~~ of N line and 660 ft. E of W line of NW 1/4 Sec. 28 T28N R13W Meridian New Mexico P.M. County San Juan

Well No. B-15 Sec. 28 T28N R13W Meridian New Mexico P.M. County San Juan

Lesser or Tract "B" Field Dist-Gallup State New Mexico

Company The British-American Oil Prod. Co. Address Box 180 - Denver 1, Colorado

Connected building May 27 19 57
The summary on this page is for the condition of the well at above date.
June 25. 19 57
District Superintendent June 28, 1957

Oil or Gas Sands or Zones

No. 1, from	Top	No. 4, from	Top
No. 2, from	Pictorial Cliffs	No. 2, from	Manos
No. 3, from	Chacras	No. 3, from	Gelup
No. 3, from	Pt. Lookout	No. 6, from	

IMPORTANT WATER SANDS

No. 1 from No. 8 from

No. 3 from No. 4 from

CASING RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, 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 the well for water, state kind of material used, position, and results of plugging or bailing.

9-21/8 52.4 2110 ft. Armo 5001 Texas

Case	Weight	Measure	Notes	Kind of stone	Color and kind of stone	Date
9-21/8	52.4	2110 ft.	Armo	5001	Texas	

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

MIDDLING AND CENTRING IN COBBLE

[illegible]

PLUGS AND ADAPTORS

Leaving plug—/lateral	Length	Depth see
Adapters—/lateral	Size	

SHOOTING RECORD

Size	Shell used	Invasive used	Quantity	Date	Depth (cm)	Depth cleaned and

TOOLS USED

[illegible]

DATA

11 gas well, on ft. per 24 hours	no	emulsion; no water; and no additional	16	the production for the first 4 hours was 100 barrels of fluid of which 100 was oil; no gas	Put to production June 27, 1927
Galions gasoline per 1,000 cu. ft. of gas					

EMPLOYEES

Driller	Driller	Force Drilling Company	Driller
Driller	Driller		Driller

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION
--------	------	------------	-----------

at 5002.90, perforated nipple at 5003.68-5006.76. Fractured 164 barrels oil in 24 hours recovered 581 barrels new oil. Ranged up and ran 163 joints 2-3/8" tubing, landed seat 7 hours and recovered 570 barrels load oil and 30 barrels new oil. Swapped 23 hours, load oil to recover. Swapped casing 5 hours, recovered 110 barrels load oil. Swapped 20,000 gallons oil in four stages with 20 Nylon Balls per stage. Total of 680 barrels hole and broke formation at 3000 psi, 1700 psi. Fractured with 20,000 pounds sand and casing 24 hours, recovered 170 barrels new oil, swapping at rate of 6.5 per hour. Loaded per foot. Swapped casing 2 hours and recovered 40 barrels load oil and no water. Swapped 890 - 5182 Loaded hole with 40 barrels oil. Perforated 5074-5092 with 4 - dynamite jets

001 282170

FORMATION	THICKNESS Feet	FROM
Sand & Shale	42.0	115
Shale	1.5	116
Shale & Coal	30.5	147
Sandy Shale	38.0	185
Shale with Sand streaks	35.0	220
Sandy Shale	32.0	252
Shale & Sand	20.5	272
Sandy Shale	26.5	298
Shale & Sand	22.0	320
Sandy Shale	18.0	338
Sand with Shale	12.5	350
Sandy Shale	2.5	362
Sand & Surface Gravel	2.5	364
TOTAL FEET	513	370

FORMATION RECORD—Continued