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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SUPERIOR
NOV 4 1957
U. S. DEPT. OF JUSTICE
FARMINGTON, NEW MEXICO

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 Mesa Field U. S. Oil - Gallup State New Mexico
 Well No. 2 Sec. 13 T. 26N R. 14W Meridian New Mexico P.M. County San Juan
 Location 440 ft. DN of 8 Line and 1900 ft. W. of 8 Line of Section 13 Elevation 6446-01
(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.

Original Signed By:

Date October 31, 1957 Signed Thomas M. Hogan
Title District Superintendent

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

Commenced drilling September 9, 1957 Finished drilling October 19, 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. 2, from _____ to _____

No. 3, from _____

No. 4, from _____

1967
DIST. COM.
COM. COM.

CASING RECORD

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MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	214' - 1B	200	B. J. Cementers		
5-1/2	5304' - 1B	100	RCMCO		

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 _____ feet to _____ feet, and from _____ feet to _____ feet

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

! DATES

-----, 19----- Put to producing -----, 19-----

The production for the first 24 hours was 12 barrels of fluid of which 100% was oil: no%

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. _____

EMPLOYEES

EMPLOYEES	
Northern Drilling Company	
_____, Driller	_____, Driller
_____, Driller	_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	SEE ATTACHED - Induction-Electrical Log Microlog Geological Completion Report Sample Report Core Report		

LOKATION RECORD-Continued

[illegible]

The undersigned hereby certifies that the above is a true and correct copy of the original as the same appears in the records of the County of _____ State of _____

Witness my hand and seal of office this _____ day of _____ 19____.

County Clerk

Notary Public

[illegible][illegible][illegible]

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.

U. S. GOVERNMENT PRINTING OFFICE 10-43084-2

FROM -	TO -	TOTAL FEET	FORMATION
			FORMATION RECORD
			EMPLOYEES
			DATES
			TOOLS USED
			SHOOTING RECORD
			PLANS AND ELEVATIONS
			MAPPING AND PLANNING

GEOLOGICAL COMPLETION REPORT FOR
BRITISH-AMERICAN #2 NAVAJO

Well Classification:

Exploratory well, West Bisti-Gallup Prospect.
San Juan County, New Mexico
British-American #2 Navajo
C SE SE Section 13-26N-13W

Well Data:

Commenced drilling:	September 11, 1957
Completed drilling:	September 27, 1957
Contractor:	Herndon Drilling Company
Casing record:	9 5/8" @ 214 K.B. w/200 sax reg cmt. 5 1/2" @ 5324 w/100 sax cmt 2% gel.
Elevation:	G.L. 6434; K.B. 6443
Total depth and datum:	Driller 6200 + 243; E.S. 6201 + 242
PBTD, datum and formation:	5307 + 1136 Gallup ss.

Completion Data:

Producing zone:	Gallup ss.	Net Pay: 20' Perforated
Perforations and treatment:	Perf: 5240-60 w/4 jets/ft.	
	Sand-oil frac w/20,000 galls oil & 20,000	
	lbs sd, w/23 balls after each 5,000 galls	
	oil. Broke fm at 2100 PSI, injection rate	
	44 BPM.	

Initial Production:	Pumped 20 BO & no water in 24 hrs.
	10x54 SPM TP O CP 20

GOR:

Geological Data:

Logging Data:

Samples:

E.S.-Induction:

Microlog:

Gamma ray:

Geolograph:

10' from 3900-6200 Stored at: American Strati-
graphic Co., Denver, Colo.
2" from 214-6201 K.B.
5" from 1400-1750, 3733-4300, 5000-5450, 5900-
6201 K.B.
1450-1700, 3800-4250, 5050-5400, 5900-6201
1400-1700, 3700-4300, 5000-5305 K.B.
214-6200 K.B.



Formation Record:

<u>Name</u>	<u>Schl. Top</u>	<u>Schl. Datum</u>
Picture Cliff	1590	+4853
Mesaverde	1860	+4583
Point Lookout	4027	+2416
Mancos	4220	+2223
Upper Gallup	5154	+1289
Gallup Pay	5230	+1213
Sanastee	5557	+ 886
Greenhorn	5925	+ 518
Graneros	5984	+ 459
Dakota	6006	+ 437

Core Record:

<u>Core No.</u>	<u>Interval</u>	<u>Formation</u>	<u>Ft. Recovered</u>
#1	5220-5270	Gallup	50 feet
#2	5990-6040	Dakota	50 feet
#3	6040-6090	Dakota	50 feet

Drill Stem Test Record:

DST #1 6132-6200 - Dakota

Open 60 min SI 30 min, Fair blo @ start of test, incr to gd blo @ end.
GTS in 12 min, Rec 90' mud, 160' wtr w/salty taste.
ISIP at 30 min 2660, IFP 70# FFP 120#, SIBPH 2520, HP 3210.

DST #2 6108-6120 - Dakota

Open 30 min, SI 30 min, Very wk blo for 5 min, by passed tool and
reset, no blo. Shut tool in 30 min for final SI press.
Packer failed and tool plugged.

DST #3 6106-6118 - Dakota

Open 90 min, SI 30 min, weak blo at start of test incr to strong blo in
5 min. GTS in 18 min, rec 125' mud, 125' hvy gas cut water and show of
distillate. IFP 55# FFP 115# SIBPH 2323# HP 3272#. Bottom packer failed.

DST #4 6105-6116 - Dakota

Open 60 min, SI 30 min, weak blo died in 5 min, rec 15' sly GCM.
IFP 15# FFP 45# SIBHP 45#.

DST #5 6012-6030 - Dakota

Open 60 min, SI 30 min, weak blo died in 30 min, rec 10' GCM.
IFP 15#, FFP 15#, SIBHP 15#, HP 3130#.

H. A. Holtom

SAMPLE REPORT

Date _____ 19__

WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
British-American #2 Navajo C SE SE Sec. 13-26N-13W San Juan County, New Mexico	4300	5000		Sample description starts at 4300 in Mancos shale. No interpretation of samples above this point was possible due to poor hole conditions.
	5000	5220		Sh, gr-olive gr, sly mic, occas tr sltst, gr-vfg, skp, v tl.
	5220	5270		Same w/incr sltst do.
	5270	5350		Cored
	5350	5450		Shly ss, brn, vfg, skp, cly fill, 90% sh, gr-brn, sdy.
	5450	5570		Tr ss, shly, do. 99% sh, sdy, do.
	5570	5700		Tr sltst, v shly, 99% sh, gr-olive gr, occas sdy.
	5700	5800		Incr sltst-ss, gr-brn, vfg, sltly, calc; 95% sh, brn, sl calc.
	5800	5900		Sh, gr-brn, sly calc.
	5900	5990		Sh do w/occas tr v shly ls, brn, f gran.
	5990	6090		Sh do w/incr ls, brn, v shly, v ply dev, f gran.
	6090	6100		Cored
	6100	6110		1st sample after reaming and trip ?
	6110	6120		10% ss, gr, vfg, dns, skp, w/glau, tl, 90% sh, gr-blk.
	6120	6130		40% ss, gr-wh, s.s., vfg, sly shly, cln, fair p&p, N.S. 60% sh do.
	6130	6140		25% ss do, 75% sh do.
	6140	6150		5% ss do, 95% sh, gr-blk.
	6150	6170		10% ss, wh, clr gs, f-mg, cln, gd p&p, N.S. 90% sh do.
	6170	6180		N.S.
	6180	6190		Tr ss, gr-tan, vfg, sltly, hd & tl, 99% sh.
	6190	6200		Tr ss, ffg, wh, clr gs, cln, N.S., tr ss, shly, vfg, tl, 98% sh do.
				40% ss, gr-tan, vfg, sly skp, sly mic, sltly, v tl, sly shly, N.S., 60% sh do.
				20% ss, do, 30% ss, wh, clr gs, f-mg, sly molt, ply sort, occas bent fill, gd p&p, NS
				Same

GEOLOGIST H. A. Holton

THE BRITISH AMERICAN OIL PRODUCING COMPANY

Core Report

LEASE Navajo WELL NO 2 FIELD Wildcat
 Core No 1 From 5220 To 5270 Total Recovery in Feet 50' COUNTY San Juan, New Mexico
 Cutterhead: Size 3 1/2 x 7 3/4 Kind D&S Diamond Date Core Taken September 20, 1957

DEPTH		Coring Time Min. Per. Ft.	Amt. Rec.	Dip	Complete Formation Description	Fluid Content
From	To					
5220	5236	17,16,10,15,17, 15,18,18,19,13 15,18,16,13,13, 15	16'		Sh,blk,carb,foss,ocass stg sltst.	
5236	5241 1/2	15,10,12,15,11, 5	5 1/2'		Lami sh & sd, sd fg, gr, hd & ti, mic, scatt pp bleeding oil 39-41 1/2.	
5241 1/2	5249 1/2	5,6,7,6,7,5,7,6	8'		Ss, f-mg, ocass crs gs, s.a, s&p, w/glau specks & carb specks, (top 6" wh, crs g, cong, mud ball incl) gd even sat & fluor, fair-gd por, p-fair perm, top 3', 45-49 1/2 sly more shly, ocass sh ptg throughout, sd is v sly calc.	
5249 1/2	5258	4,6,10,8,8,6,4, 5,6	8 1/2'		Ss, brn, fg, ocass mg, incl of crs g, s.a, s&p, shly & sly cly fill, gd even sat, p-fair por, becomes sly less shly 54-58.	
5258	5265	7,7,9,7,8,10,9	7'		Ss, brn, fg, s&p, glau, sly shly, v cly fill, ocass sh ptg & incl, lt stn, lt yell flor, p por.	
5265	5270	8,9,16,11,11	5'		V shly ss, gr-vf-fg, s&p, glau, v cly fill, ti.	N.S.

Remarks

H. A. Holton
Signed

Remarks Mud on core was sly oil cut when taken from inner barrel.

H. A. Holton

THE BRITISH AMERICAN OIL PRODUCING COMPANY

Core Report

LEASE Navajo WELL NO. 2 FIELD Wildcat
 Core No. 2 From 5990 To 6040 Total Recovery in Feet. 50' COUNTY San Juan, New Mexico
 Cutterhead Size 3 1/2 x 7 3/4 Kind D & S Diamond Date Core Taken September 25, 1957

DEPTH		Coring Time Min. Per Ft.	Amt. Rec.	Dip	Complete Formation Description	Fluid Content
From	To					
5990	6010	16,28,17,16,22, 28,16,19,19,17,	20'		Sh,blk,carb,w/ocass thin stk,gr fg silty sd.	
		17,17,20,16,18, 36,21,22,19,17				
6010	6012	10,15	2'		Ss,gr,vfg,s.a,shly,hd & ti,sly glau,N.S.,cly fill.	
6012	6013	14	1'		Lami sd & sh (1/8")ss,gr,fg,hd & ti,s&p,sly glau,pyr incl,cly fill.	N.S.
6013	6021 1/2	9,10,7,10,11,8, 11,10,3	8 1/2'		Ss,gr,vfg,glau & mic,ti,scatt v fnt stn,lt scatt yell flor,gd pp flor throughout,V.F. 13-14,17-19,oil in frac planes,gd odor throughout, bleed pp gas throughout,sh ptgs & stks at 18 1/2-19, 19 1/2.	
6021 1/2	6028 1/2	4,11,8,8,13,11, 9,12	7'		Ss,gr,vfg,as above,N.S.,no odor,sly sour taste, appears to have water ring,sh ptgs & incl at 25 3/4, 27-28 1/2.	
6028 1/2	6030 1/2	16,10	2'		Ss,same sly tighter, N.S. v dns, V.F. 29 1/2-30 1/2.	
6030 1/2	6036 1/2	11,10,5,21,10, 13	6'		Ss,same as 13-21 1/2,V.F. 30 1/2-31,35-36,live oil in frac,gd odor.	
6036 1/2	6039 1/2	8,13,18	3'		Ss,same as 21 1/2-28 1/2.	N.S.
6039 1/2	6040	9	1/2'		Lami,blk,sh,fg gr sdy sltst.	N.S.

Remarks Mud on core was sly oil cut when taken from inner barrel.

H. A. Holton
Signed

THE BRITISH AMERICAN OIL PRODUCING COMPANY

Core Report

LEASE Navajo WELL NO. 2 FIELD Wildcat
 Core No. 3 From 6040 To 6090 Total Recovery in Feet 50' COUNTY San Juan, New Mexico
 Cutterhead Size 3 1/2 x 7 3/4 Kind D&S Diamond Date Core Taken September 25, 1957

DEPTH From To		Coring Time Min. Per. Ft.	Amt. Rec	Dip	Complete Formation Description	Fluid Content
6040	6042 1/2	11,14,5	2 1/2'		Ss,gr,fg,s&p,glau,hd & ti,V.F.,	N.S.
6042 1/2	6054	6,21,16,14,20, 15,18,22,23,20, 22,15	11 1/2'		lami,sh & sd,80% sh,20% sd,sd gr,vfg,glau,ti, sh - blk-gr,carb,fiss,	N.S.
6054	6057 1/2	15,11,12,4	3 1/2'		R/w sd & sh,sd gr,vfg,glau,dns,sh,gr-blk,cly fill, mic.	
6057 1/2	6070	5,14,22,17,2,13, 9,14,26,9,7,9,12	12 1/2'		Ss,lt gr,vfg,v dns,sly glau & mic,becomes cly fill 65-70, occas thin sh lami,6" blk sh stk at 61.	
6070	6076	13,13,14,16,12, 10	6'		Shly sd,gr,vfg,glau & mic,cly fill,few sh lami, r/w locally,	N.S.
6076	6079	16,15,17	3'		Hvly r/w sd & sh do, predom sh,gr-blk,	N.S.
6079	6082	11,10,12	3'		Ss,v shly,gr,vfg,glau & mic,sly r/w locally	N.S.
6082	6086	17,23,26,22	4'		Sh,blk,fiss.	
6086	6088	11,20	2'		Sdy sh,r/w incl carb & ptgs,	N.S.
6088	6090	13,15	2'		Sh,blk,fiss,w/few stks sd,v thin sd,gr,vfg, glau & mic,hd & ti.	N.S.

Remarks _____

H. A. Holtom
Signed