NO. OF COPIES RECEIVE	ED								Form (		
DISTRIBUTION										ed 1-1-65	
SANTA FE			NEW	MEXICO OIL	CONSERV	ATION C	OMMISSION			te Type of Lease	
FILE		WELL	-	ETION OR R				D LOG	State		
U.S.G.S.									5. State O	il & Gas Lease No.	
LAND OFFICE									None		
OPERATOR											1111
											$\overline{\eta}$
la, TYPE OF WELL									7. Unit Ag	reement Name	
		OIL WELL	GAS WELL	DRY	X	OTHER			None		
b. TYPE OF COMPLE									8. Farm on	r Lease Name	
			PLUG BACK	DIFF. RESVR.		OTHER PIL	ıq & Abar	idon -	GLEN		
2. Name of Operator							•		9. Well No		
HILLIARD OIL	s GAS,	INC.							1		
3. Address of Operator										and Pool, or Wildcat	
1190 Midland	Nation:	al Bank	Tower,	Midland,	Texas	79701			Wildo	at	
4. Location of Well									//////		M
											1111
UNIT LETTERE	LOCATE	<u>1650</u>	FEET F	ROM THE NOT	. <b>h</b>	INE AND	560 FI	EET FROM			1111
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THE West LINE OF 15. Date Spudded	SEC. 21	TWP.	)-S <sub>RG</sub>	ie. 35-E N		11111	<u>11/1////</u>	/////	Lea		711.
-		-			_	1			· ·	, Elev. Cashinghead	
July 9, 1978						4158		73' RK		4158'	
20. Total Depth	2	1. Plug Back	. Т.D.	22. If Mu Many		pl., How	23. Intervals Drilled I	Rv i		Cable Tools	
12,740'		-	•		P&A			→ 0-12	,740'		
24. Producing Interval(s	s), of this c	ompl <b>et</b> ion —	Top, Bottor	n, Name						25. Was Directional S Made	Survey
None										No	
		· · · · · · · · · · · · · · · · · · ·									
26. Type Electric and C	-								27.	Was Well Cored	
Welex FORXO-Gu	uard & (	Compensa	ited Gar	ma-Acoust	In Val	<b>!</b>	~~*			lo	
									*		
28.			CA	SING RECORD	Report all	strings set	in well)			·	
28. CASING SIZE		T LB./FT.	CA	SING RECORD	Report all HOLE SIZ	strings set	in well) CEMEN	TING REC	DRD	AMOUNT PUL	LED
28. CASING SIZE 13-3/8" 0.D.	54.5	T LB./FT.	CA DEPT	SING RECORD ( H SET D3' 1	Report all HOLE SIZ 7 <sup>1</sup>	strings set E 425	in well) CEMEN	Class		AMOUNT PUL	LED
28. CASING SIZE		T LB./FT.	CA DEPT	SING RECORD ( H SET D3' 1	Report all HOLE SIZ	strings set E 425 137	cemen cemen sxs. of 5 sxs. o	Class of HALC	ORD IICII OLIght	AMOUNT PUL	LED
28. CASING SIZE 13-3/8" 0.D.	54.5	T LB./FT.	CA DEPT	SING RECORD ( H SET D3' 1	Report all HOLE SIZ 7 <sup>1</sup>	strings set E 425 137 fol	in well) CEMEN SXS. Of 5 SXS. O 10wed by	Class of HALC	ORD IICII OLIght	AMOUNT PUL	
28. CASING SIZE 13-3/8 <sup>11</sup> 0.D. 8-5/8 <sup>11</sup> 0.D.	54.5	T LB./FT. <u>8 48</u> 24	CA DEPT 4( 40	SING RECORD ( H SET D3' 1	Report all HOLE SIZ 7 <sup>1</sup>	strings set E 425 137 fol	in well) CEMEN 5 sxs. of 75 sxs. o 1 owed by 9ss "C"	Class of HALC 300 s	DRD IICII O Light XS.	AMOUNT PUL None None	
28. CASING SIZE 13-3/8" 0.D.	54.5 32 <b>s</b>	T LB./FT. <b>&amp; 48</b> <b>24</b> LINER	CA DEPT 40 40 RECORD	SING RECORD ( H SET 03' 1 73' 1	Report all HOLE SIZ 7 <sup>1</sup> /1	strings set E 425 137 fol Cla	in well) CEMEN 5 <b>sxs. of</b> 75 <b>sxs. o</b> 10wed by 10ss ''C'' 30.	Class of HALC 300 s	DRD <u>ICI</u> O Light XS. UBING RE	AMOUNT PUL None None	
28. CASING SIZE 13-3/8 <sup>11</sup> 0.D. 8-5/8 <sup>11</sup> 0.D.	54.5	T LB./FT. <b>&amp; 48</b> <b>24</b> LINER	CA DEPT 4( 40	SING RECORD ( H SET D3' 1	Report all HOLE SIZ 7 <sup>1</sup> /1	strings set E 425 137 fol	in well) CEMEN 5 sxs. of 75 sxs. o 1 owed by 9ss "C"	Class of HALC 300 s	DRD IICII O Light XS.	AMOUNT PUL None None	
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28. CASING SIZE 13-3/8 <sup>11</sup> 0.D. 8-5/8 <sup>11</sup> 0.D. 29. SIZE	54.5 32 &	т LB./FT. <b>8 48</b> <b>24</b> LINER В	CA DEPT 4( 40; RECORD	SING RECORD ( H SET 03' 1 73' 1	Report all HOLE SIZ 7 <sup>1</sup> /1	strings set E 425 137 fol Cla	in well) CEMEN SXS. Of 5 SXS. Of 10wed by ISS ''C'' 30. SIZE None	Class of HALC 300 s T	DRD 11C11 O Light XS. UBING RE PTH SET	AMOUNT PUL None None	
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28. CASING SIZE 13-3/8" 0.D. 8-5/8" 0.D. 29. SIZE None	54.5 32 &	т LB./FT. <b>8 48</b> <b>24</b> LINER В	CA DEPT 4( 40; RECORD	SING RECORD ( H SET 03' 1 73' 1	Report all     HOLE SIZ     7±**     1''     NT     SC     32.	strings set E 425 137 fol Cla CREEN	in well) CEMEN SXS. Of SXS. O lowed by SS ''C'' 30. SIZE None D, SHOT, FR	Class of HALC 300 s T DE ACTURE,	DRD ICII O Light XS. UBING RE PTH SET CEMENT S	AMOUNT PUL None None CORD PACKER SE	
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28. CASING SIZE 13-3/8" 0.D. 8-5/8" 0.D. 29. SIZE None 31. Perforation Record None 33.	54.5 32 &	T LB./FT. <b>&amp; 48</b> <b>24</b> LINER B ize and numb	CA DEPT 4( 40; RECORD OTTOM	SING RECORD ( H SET D3' 1 73' 1 SACKS CEME	Report all HOLE SIZ 73'' 1'' NT SC 32. NC RODUCTIO	strings set 425 425 137 fol Cla CREEN ACI DEPTH INT PRE	in well) CEMEN 5 SXS. Of 10wed by 10ss ''C'' 30. SIZE None D, SHOT, FR ERVAL	Class of HALC 300 s T DE ACTURE,	DRD ''C'' O Light XS. UBING RE PTH SET CEMENT S UNT AND K	AMOUNT PUL None None CORD PACKER SE QUEEZE, ETC. IND MATERIAL USED	T.
28. CASING SIZE 13-3/8" 0.D. 8-5/8" 0.D. 29. SIZE None 31. Perforation Record ( None	54.5 32 &	T LB./FT. <b>&amp; 48</b> <b>24</b> LINER B ize and numb	CA DEPT 4( 40; RECORD OTTOM	SING RECORD ( H SET 03' 1 73' 1 SACKS CEME	Report all HOLE SIZ 73'' 1'' NT SC 32. NC RODUCTIO	strings set 425 425 137 fol Cla CREEN ACI DEPTH INT PRE	in well) CEMEN 5 SXS. Of 10wed by 10ss ''C'' 30. SIZE None D, SHOT, FR ERVAL	Class of HALC 300 s T DE ACTURE,	DRD ''C'' O Light XS. UBING RE PTH SET CEMENT S UNT AND K	AMOUNT PUL None None CORD PACKER SE	T.
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28. CASING SIZE 13-3/8" 0.D. 8-5/8" 0.D. 29. SIZE None 31. Perforation Record None 33. Date First Production Date of Test Flow Tubing Press. 34. Disposition of Gas 35. List of Attachments	54.5 32 & TOP (Interval, si (Interval, si (Sold, used (Sold, used (Sold, used)	T LB./FT. 8 48 24 LINER B ize and numb ize and numb Production 1 sted C ressure C for fuel, ven	CA DEPT 4( 40; RECORD OTTOM er) Method (Flo hoke Size alculated 2 our Rate id sonic	SING RECORD of H SET 3' 1 3' 1 SACKS CEME SACKS CEME SACKS CEME Prod'n. For Test Period 4- Oil – Bbl. Cil – Bbl. Cil – Bbl.	Report all HOLE SIZ 74 <sup>11</sup> 1 <sup>11</sup> NT SC 32. NC 32. NC COUCTION NUMPING	strings set E 425 137 fol Cla CREEN ACI DEPTH INT R DN Non Size and ty, Bbl. Gas - MCF	in well) CEMEN SXS. Of SXS. O lowed by SS ''C'' 30. SIZE None D, SHOT, FR ERVAL D, SHOT, FR ERVAL Gas - MCF Wat Vat	Class of HALC 300 s T DE ACTURE, AMOL er – Bbl. Test	DRD ICII O Light XS. UBING RE PTH SET CEMENT S INT AND K Well Stat Well Stat O Witnessed inc. ge and beli	AMOUNT PUL None None PACKER SE PACKER SE OUEEZE, ETC. IND MATERIAL USEI	

#### INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

#### INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

# Southeastern New Mexico

#### Northwestern New Mexico

т.	Anhy2200	Т.	Canyon	Т.	Ojo Alamo	т.	Penn. ''B''
	Salt	Τ.	Strawn	. <b>T</b> .	Kirtland-Fruitland	Т.	Penn. "C"
В.	Salt	<b>T</b> .	Atoka 11210	Т.	Pictured Cliffs	. T.	Penn. ''D''
	Yates 2752			Т.	Cliff House	т.	Leadville
т.	7 Rivers	Т.	Devonian 12638	Т.	Menefee	. T.	Madison
Т.	Queen	Т.	Silurian	т.	Point Lookout	т.	Elbert
T.	Grayburg	Т.	Montoya	. <b>T</b> .	Mancos	. Т.	McCracken
Т.	San Andres	Т.	Simpson	. <b>T</b> .	Gallup	. т.	Ignacio Qtzte
т.	Glorieta 5448	т.	McKee	Ba	se Greenhorn	. T.	Granite
т.	Paddock	Т.	Ellenburger	Т.	Dakota	. т.	
Т.							
т.	Тирр 6880	т.	Granite	т.	Todilto	т.	
Т.					Entrada		
Т.	Аьо7710	<b>. T</b> .	Bone Springs	- T.	Wingate	. Т.	·
T.	Wolfcamp	Т.		т.	Chinle	<b>T</b> .	
Т.							
т	Cisco (Bough C) <u>9731</u>	Τ.		. <b>T</b> .	Penn. ''A''	. Т.	

#### FORMATION RECORD (Attach additional sheets if necessary)

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Formation
0	2000		Sd., Shale & Redbed	11,590	11.57	r.	Sand, Limestone > Shale
2200	2752		Anny & Salt	11,850			Limestone & Shale
2752	2850		Sd., & Anby	12,020			Limestone & Chert
2850	3095		Dolo, Shale, Anny	12,490			Sand & Shale
<b>3</b> 995	4730		Dolo & Anhy	12,633			Do 10
4790	4,130		2010	12,710			Dolo & Chert
4900	5350		Limeston				
<b>53</b> 50	3418		Anay & Jord				
544 .	(1,1)		Sand & Amay				
	6380		Dolo, Shale, Salt & Anhy				
<b>68</b> 80	7020		Sand, Chalt 1 Anhy				
<b>7</b> 020	7710		Dolo, Shale & Anhy				
771ə	7750		Shale				
7750	0250		Jolo è shalo				
8950	3000		Dolo & Linestone				
<b>90</b> 00	9400		Limestone				
9400	9350		Limestone & Shale				
	0650		Limestone				
•	11210		Limestone & Shale			à	
1210	11580		Shale & Limestone				
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HILLIARD OIL & GAS, INC.

#### GLENN NO. 1

## UNIT E, SECTION 21-9-35

#### LEA COUNTY, NEW MEXICO

### SUMMARY OF DRILL STEM TESTING

DST #1 4760 - 4790' (30') San Andres formation - no wtr cushion. HALCO Services tools.

30' IF, 90' ISI, 60' FF, 180' FSI

Initial weak blow decreasing to zero in 20 min. Very weak blow during final flow. Rec 30' wtr w/tr of oil & 90' of wtr (CL 26,000 PPM). Sample chamber rec of 400 cc oil & 1500 cc oil cut wtr (CL 14,000 PPM). Pit sample CL 1,150 PPM

THP	2092#	FFP	68-91#
IFP	68#	FSTP	172#
151P	159#	FHP	2092#
		BHT	92°F

DST #2, 4820-80' (60'), no wtr cushion. 30' IF, 90' ISI, 60' FF, 180' FSI. Rec 450' SOCDM, no gas, no oil, 1525 cc salty drlg fluid (20 350 PPM - Cl, pit sample 1150 PPM Cl).

IHP -	2188#	FFP -	216-262#
IFP -	170-182#	FSIP -	800#
ISIP -		FHP -	800#
1011		внт -	105° F

DST #3, 9715-70' (55'), no wtr cushion. 30' IF, 90' ISI, 60' FF, 180' FSI. Tool opened w/very weak blow thru IF. Tool re-opened w/no blos - thru FF. Rec 80' DM, no oil, no gas, no wtr. Sample chamber no recovery (malfunction).

THP	4973#	FFP	110-110#	
IFP	133-110#	FSIP	288#	
ISIP	288#	BHT	133°F	

DST #4, 12,655-12,690' (35'). 2786' water cushion. 20 IF, 90' ISI, 120' FF, 180' FSI. Tool opened w/weak blow increasing to fair blow during IF. Tool re-opened w/fair blow increasing to strong blow in 10 min & holding strong through FF. No gas to surf. Reversed out 2786' wtr cushion plus 500' free oil (47° API @ 60° F) & 1000' black salty sulphur wtr (32,000 PPM Cl, res 0.112 Ohm @ 74° F). Sample chamber - 90#, no gas, 900 cc oil (47.5° API @ 60° F) & 1350 cc salty sulphur wtr (34,000 PPM Cl, Res 0.114 Ohm @ 74° F).

	6752#	FFP	1263-1830#
IFP	1095-1218#	FSIP	4950# (stable)
ISIP	4950# (stable	FHP	6622#
		BHT	190° F

DST #5 (12,652-12,674') (22') Straddle test of Devonian formation. Used 2780' fresh water blanket.

30' IF, 90' ISI, 360' FF, 180' FSI

Weak blow during initial flow. Weak blow upon tool reopening gradually increasing to strong blow in 130'  $\varepsilon$  then continuing strong through remainder of flow period. Rec. 3980' of fluid in drl string. Reversed out 2780' wtr blanket  $\varepsilon$  an estimated 600' of free oil  $\varepsilon$  600' of black, salty sulphur wtr. Sample chamber press of 35%  $\varepsilon$  rec of 200 cc oil (47.5° API @ 60° F)  $\varepsilon$  1800 cc salty sulphur wtr (34,500 PPM CL, Res 0.120 OHMS @ 80° F). Pit sample 70,000 PPM CL.

THP	6620#	FFP	1328-1781#
IFP	1283-1328#	FSIP	4955# (stable)
ISIP	5000# (stable)	FHP	6620#
	BHT 172°	F	