

CASE NO. 5048
EXHIBIT B

BOTTOM HOLE PRESSURE SURVEY REPORT

CONTENTS

PAGE 1.....	PENNY FED. #1
PAGE 2.....	PRESTON FED. #1
PAGE 3.....	ROBIN FED. #1
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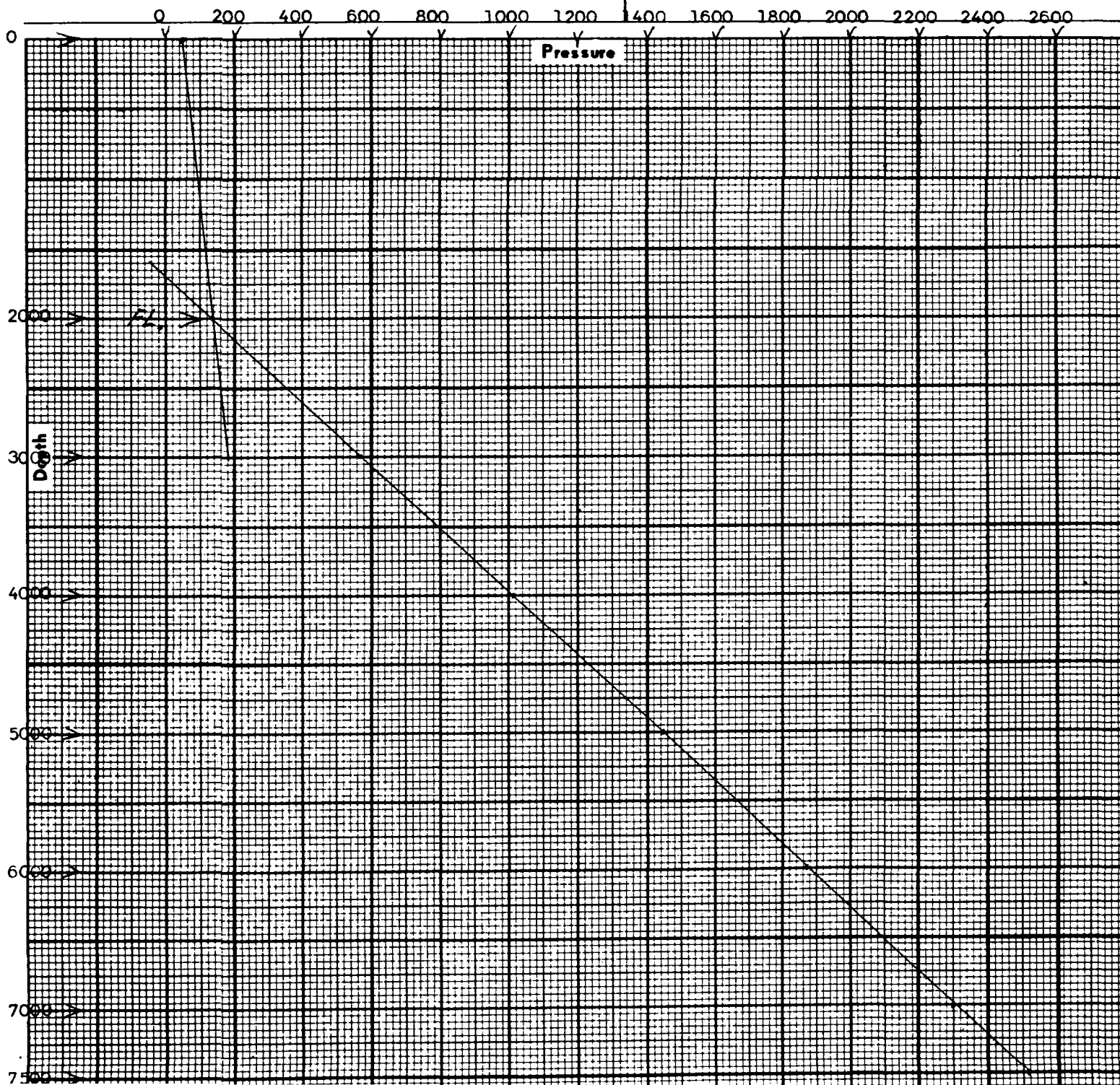
****SURVEY BY: BENNETT WIRE LINE SERVICE
305 McArthur Ave.
Artesia, New Mexico--88210

BOTTOM HOLE PRESSURE SURVEY REPORT

1

OPERATOR ROGER C, HANKS
 LEASE Penny Fed.
 WELL NO. 1
 FIELD _____
 DATE 1/29/77 TIME 9:30 AM.
 STATUS Shut-in TEST DEPTH 7,500 Ft.
 TIME S.I. 5 days LAST TEST DATE _____
 CAS. PRES. _____ BHP LAST TEST _____
 TUB. PRES. 45 lbs. BHP CHANGE _____
 ELEV. _____ FLUID TOP 2600 ft
 DATUM _____ WATER TOP " "
 TEMP 143 RUN BY Bennett
 CLOCK NO. _____ GAUGE NO. _____
 ELEMENT NO. 9526

DEPTH	PRESSURE	GRADIENT Lbs./100 Ft.
0 Ft.	45 Lbs.	
2000 "	138 "	4.7
3000 "	567 "	42.9
4000 "	1008 "	44.1
5000 "	1445 "	43.7
6000 "	1870 "	42.5
7000 "	2300 "	43.0
7500 "	2518 "	43.6

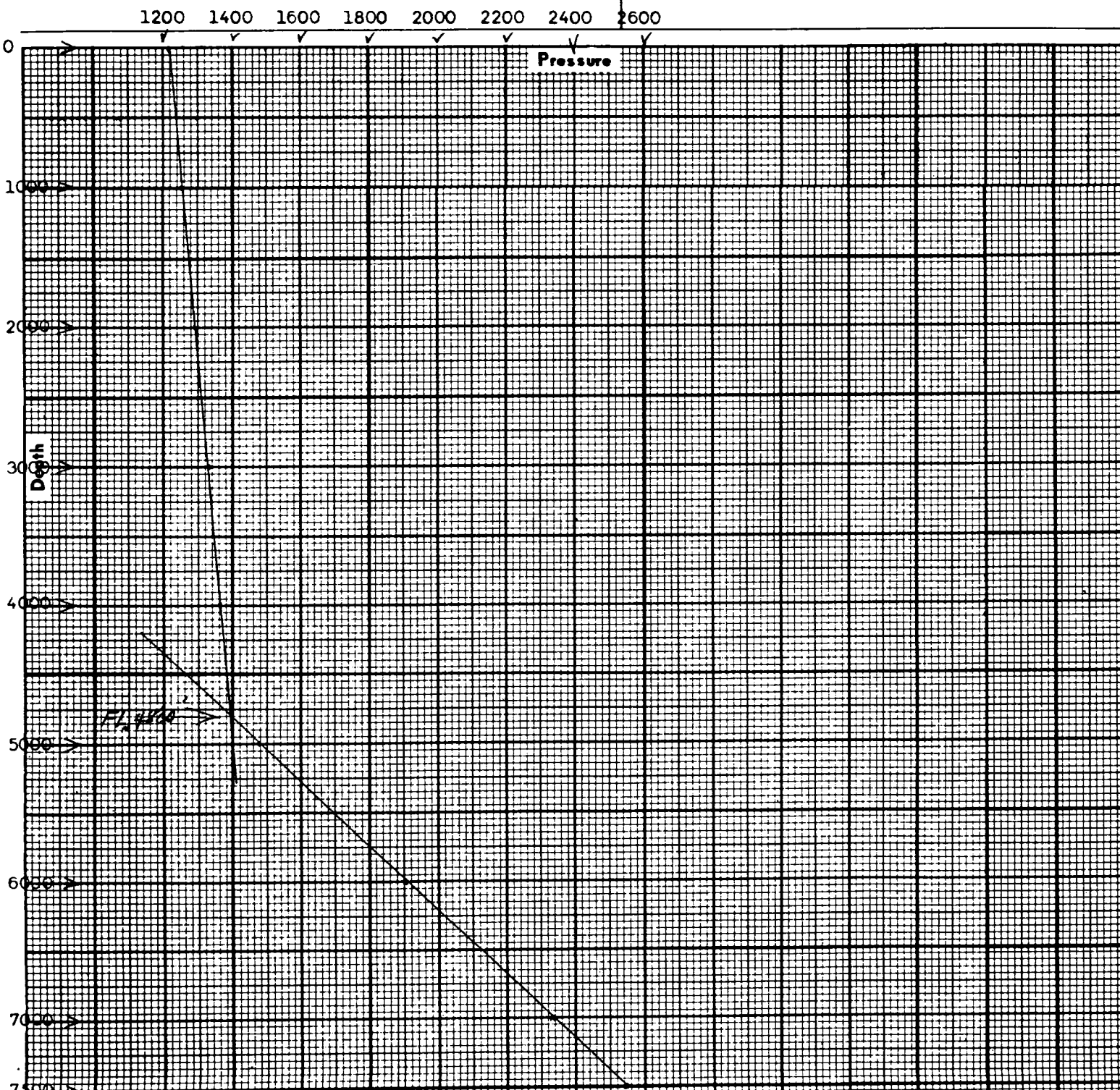


BOTTOM HOLE PRESSURE SURVEY REPORT

2

OPERATOR ROGER C. HANKS
LEASE Preston Fed.
WELL NO. 1
FIELD _____
DATE 1/29/77 **TIME** 11:00 AM.
STATUS Shut-in **TEST DEPTH** 7500 Ft.
TIME S.I. 5 days. **LAST TEST DATE** _____
CAS. PRES. _____ **BHP LAST TEST** _____
TUB. PRES. 1219 Lbs. **BHP CHANGE** _____
ELEV. _____ **FLUID TOP** 4800 Ft.
DATUM _____ **WATER TOP** _____
TEMP 143 **RUN BY** Bennett
CLOCK NO. _____ **GAUGE NO.** _____
ELEMENT NO. 9526

DEPTH	PRESSURE	GRADIENT Lbs/100 Ft.
0 Ft.	1219 Lbs.	
1000 "	1251 "	3.2
2000 "	1292 "	4.1
3000 "	1328 "	3.6
4000 "	1360 "	4.2
5000 "	1478 "	43.5
6000 "	1903 "	42.9
7000 "	2332 "	42.9
7500 "	2543 "	42.2



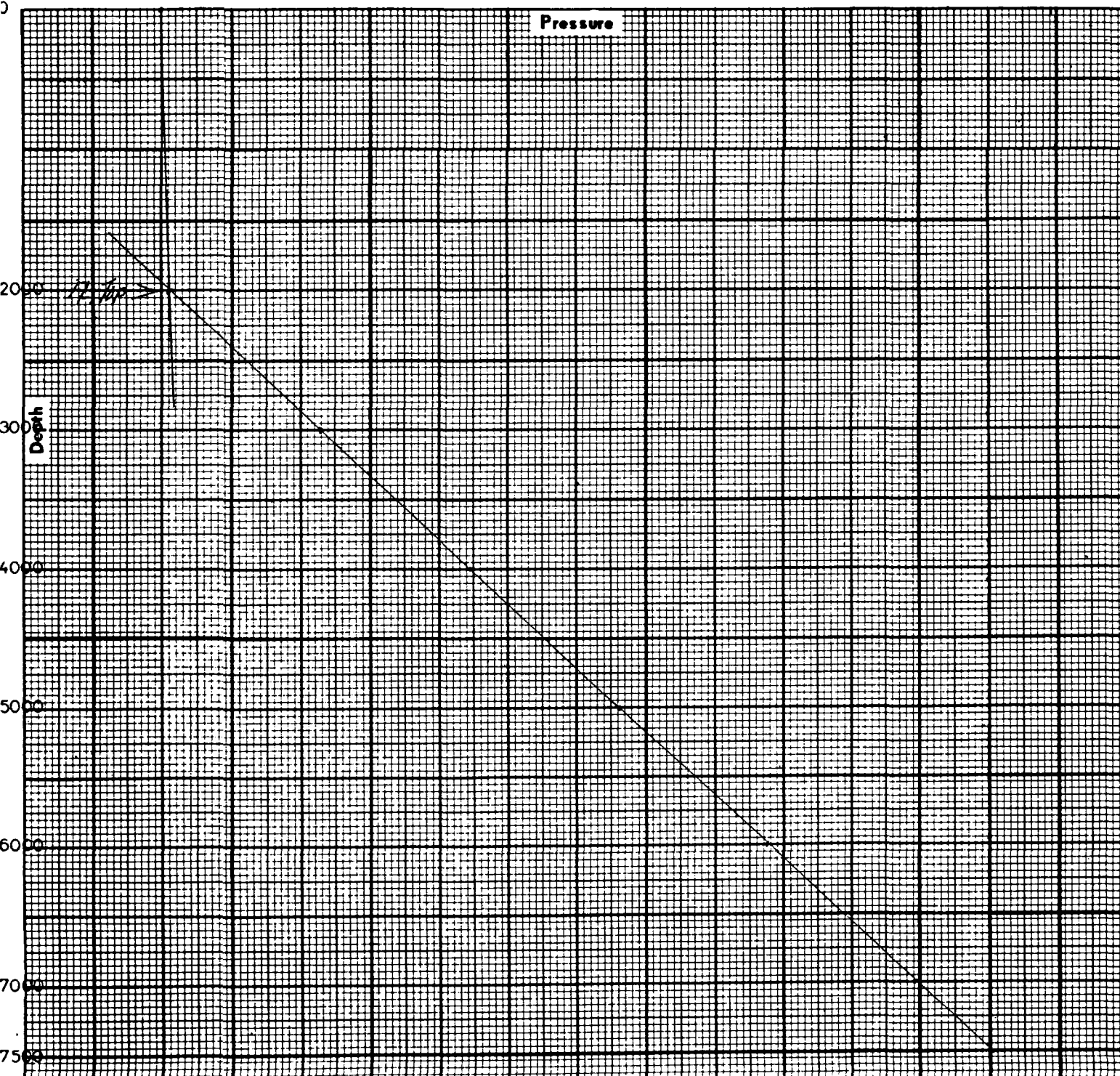
MIDLAND SERVICE BOTTOM HOLE PRESSURE SURVEY REPORT

3

OPERATOR ROGER C. HANKS
 LEASE Robin Fed.
 WELL NO. 1
 FIELD _____
 DATE 1/29/77 TIME 8:00 AM.
 STATUS Shut-in TEST DEPTH 7,500 Ft.
 TIME S.I. 5 days LAST TEST DATE _____
 CAS. PRES. _____ BHP LAST TEST _____
 TUB. PRES. 0 lbs BHP CHANGE _____
 ELEV. _____ FLUID TOP 2000 Ft.
 DATUM _____ WATER TOP " "
 TEMP 140 RUN BY Bennett
 CLOCK NO. _____ GAUGE NO. _____
 ELEMENT NO. 9526

DEPTH	PRESSURE	GRADIENT
		Lbs./100 Ft.
0 Ft.	0 Lbs.	1.0
2000 "	20 "	43.7
3000 "	457 "	43.4
4000 "	891 "	43.3
5000 "	1324 "	42.9
6000 "	1753 "	43.3
7000 "	2186 "	43.0
7500 "	2401 "	

0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600

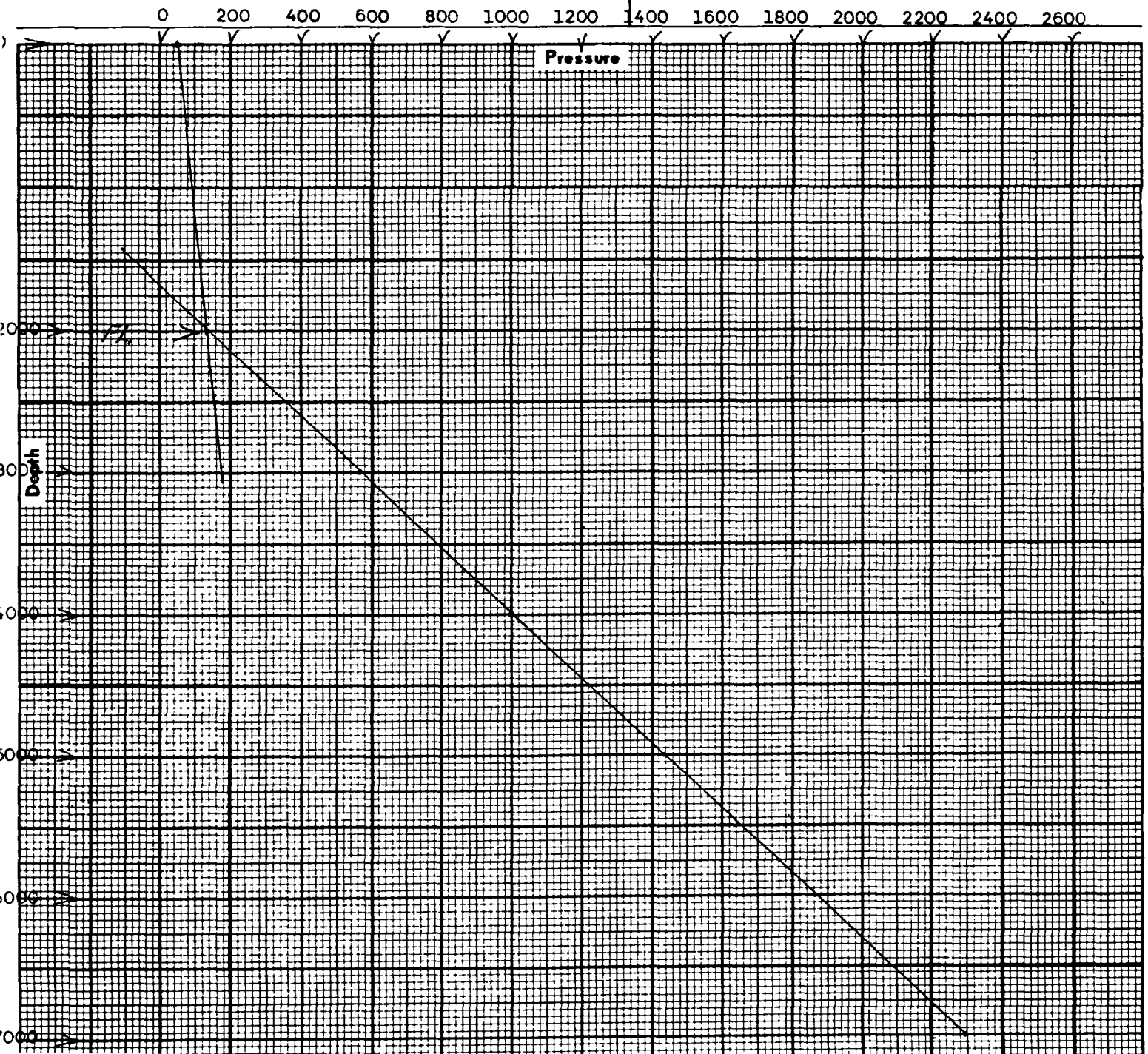


BOTTOM HOLE PRESSURE SURVEY REPORT

4

OPERATOR ROGER C, HANKS
 LEASE Vicki Fed.
 WELL NO. 1
 FIELD _____
 DATE 1/29/77 TIME 10:15 AM.
 STATUS Shut-in TEST DEPTH 7500 Ft.
 TIME S.I. 5 days LAST TEST DATE _____
 CAS. PRES. _____ BHP LAST TEST _____
 TUB. PRES. 45 lbs. BHP CHANGE _____
 ELEV. _____ FLUID TOP 2000 ft.
 DATUM _____ WATER TOP _____
 TEMP 141° RUN BY Bennett
 CLOCK NO. _____ GAUGE NO. _____
 ELEMENT NO. 9526

DEPTH	PRESSURE	GRADIENT
	0 Ft. 45 Lbs.	Lbs./100 Ft.
2000 "	134 "	8.9
3000 "	563 "	42.9
4000 "	1000 "	43.7
5000 "	1437 "	43.7
6000 "	1862 "	42.5
7000 "	2296 "	43.4
7500 "	2510 "	43.0



CASE NO. 5048
EXHIBIT C
PRODUCTION REPORTS

CONTENTS

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Spudded 7/1/71 Completed 9/2/71
TD 7820' 7720-7744'
Drilling Contractor Sharp Drilling Company

Date	Days Produced	OIL				WATER				GAS	
		Allowable	Beginning	Produced	Sold	Other	Ending	Produced	Produced	Used	Sold
Undesignated-Eddy County											
1971											
Sept	18	2788	—	1180	516		664	18576			
Oct	31	5084	664	573	350		1887	33848			
Nov	30	1050	1887	41	345		583	38903			
Dec	13	1085	583	125	—		708	16104			
1971				1919	1211			107431			
1972		Shut in During 1972									
JAN	11		708				708				
FEB	5		708			— 437	271				
MAR	25		271	764			1035	33131		3914	
APR	18	775	1035	80		— 750	365	25600		2597	
MAY	2	750	365	47			412	2064		—	
JUN	16	775	412	352	512		252	24096		3714	
JUL	30	775	252	581	340		493	51202		7988	
AUG	13	750	493	174	343		324	38465		8563	
SEPT	30	775	324	138			462	34753		7071	
OCT	7		462	122	343		241	19905		6458	
NOV	16		241	216			457	23764		6300	
1973				2474	1538	— 1187		252980		416605	
CUM				4393	2749	— 1187		360411		416605	

Vicki-Federal #1-G
1980' ENL & 1980' FSL
SW 1/4 NE 1/4 24-20S-24E Edley Co., N.M.
South Dogger Draw-Upper Pennsylvanian

Spunbed 7/1/71 Completed 9/3/71
Drilling Contractor Sharp Drilling Company

OIL										WATER			GAS		
Days	Produced	Allowable	Beginning	Produced	Sold	Other	Ending	Produced	Produced	Produced	Used	Sold	Produced	Used	Sold
572	173														
1974															
JAN.	5		457	—	—		457	1728	2274			2274			
Feb.	28		457	613	—	- 457	613	42134	12634			12634			
MAR.	31		613	496	344		765	40518	17231			17231			
Apr.	28		765	537	343	- 494	467	39091	7284			7284			
May	7	1065	467	19	341		145	2592	5635			5635			
June	5	2130	145				145								
July	5	2201	145				145								
Aug.	5	2201	145				145								
Sept.	5		145				145								
Oct.	1		145			- 53(4)	92	1800	2602			2602			
Nov.	9		92	109	173		28								
Dec.				1776	1201	- 1004		127863	47660			47660			
1974				6169	3950	- 2191		488274	94265			94265			
Cum															
1975															
JAN.	5		28				28								
Feb.	5		28				28								
Mar.	5		28				28								
Apr.	5		28				28								
May	5		28				28								
June	5		28				28								
July	5		28				28								
Aug.	4		28	334	172		190								
Sept.	—		190				190								
Oct.	12		190				190	21780	369			369			
Nov.	17		190				190	21970	711			711			
Dec.	22		190				190	33000	48			48			
1975								76750	1122			1122			
Cum				6503	4122	- 2191		565024	95387			95387			

Vicki - Edeee
1980 FNU * 1980 FSL
SW/4 NE/4 26-205-245 Eddy Co, N.A.
South Dodge & Dean-Upper Pennsylvania

Spudded 2/4/71 Completed 2/3/71
TD _____
Drilling Contractor Sharp Drilling Company

[illegible]

Robin-Federal #1-F
1980' FNL + 1980' ESL
SW 1/4 NW 1/4 26-205-24E Eddy Co. N.M.
South Digger Draw - Upper Pennsylvanian

Spudded 3/11/71 Completed 5/23/71
TD 2820' 7608-7625'
Drilling Contractor Sharp Drilling Company

			OIL				WATER				GAS	
			Days Produced	Allowable	Beginning	Produced	Sold	Other	Ending	Produced	Produced	Sold
1971												
Aug.	P	4	5797	—	514	—	—	—	514	284		
Sept.	P	23	3280	514	175	—	—	—	689	4738		
Oct.	P	17	3084	689	165	—	—	—	854	7962		
Nov.	P	29	1750	854	199	—	—	—	1053	14828		
Dec.		13	775	1053	—	—	—	—	1053	13367		
1971												
1972												
			Shut in During 1972							41179	—	
1973												
JAN.	S	—	—	1053	—	—	—	—	1053	—		
Feb.	S											
MAR.	P	5		1053				-638	415	6422	1000	1000
Apr.	P	30		415	988	—	—	—	1403	25428	10837	10837
MAY	P	28	744	1403	156	346	—	-750	463	30108	11129	11129
JUN.	F	28	720	463	374	343			494	38571	22167	22167
July	F	16	744	494	330	344			480	22005	14592	14592
Aug.	F	30	744	480	520	514			486	26336	31381	31381
Sept.	P	21	720	486	29			-188	327	38980	31039	31039
Oct.	P	29	744	327	488				815	43928	25630	25630
Nov.	P	26		815	194	694			315	36703	22324	22324
Dec.		28		315	226				541	42202	21494	21494
1973												
Cum					3305	2241		-1576		310683	191593	191593
					4358	2241		-1576		351862	191593	191593

Robin-Federal #1-F
1880' ENL + 1980' FSL
311/4 21-205-245, Fldy Co. N.M.
South Ogden Draw Upper Pennsylvanian

Spudded 3/11/71 Completed 5/23/71
TD _____
Drilling Contractor SHARP Drilling Company

OIL										WATER			GAS	
	Days Produced	Allowable	Beginning	Produced	Sold	Other	Ending	Produced	Produced	Used	Sold			
1974														
JAN.	29		541	326	1348		519	44340	6822		6822			
Feb.	27		519	272	1350		441	23124	12138		12138			
Mar.	24		441	407			848	29006	14099		14099			
Apr.	28		848	340	519	*	352	34654	10926		10926	*157 to 160 to 200		
May	15		352	171	344		179	23760	8287		8287			
Jun.	2		179				179		5057		5057			
Jul.	2		179				179		3212		3212			
Aug.	3		179				179		3709		3709			
Sept.	11		179	139			318	16258	7274		7274			
Oct.	5		318	107	174		251	7390	2314	262	2052			
Nov.	5		251				251							
Dec.	5		251				251							
1974				1762	1735	- 317		178532	73838	262	73576			
Cum				6120	3976	- 1893		530394	265431	262	265169			
1975														
JAN.			251				251							
Feb.			251				251							
Mar.			251				251							
Apr.			251				251							
May			251				251	5192	567		567			
Jun.			251				251	51600	2493		2493			
Jul.	14		251	30	172		109	53320	2973		2973			
Aug.	31		109	3			112	30960	1026		1026			
Sept.	30		112				112	23400	297		297			
Oct.	26		112				112	25650	181		181			
Nov.	18		112				112	25580	429		429			
Dec.	20		112				112	30000	740		740			
1975				33	172			245702	8706	5	8701			
Cum				6153	4148			776096	274137	267	273810			

Robin-Federal * I-F
1980' ENL * 1980' ESL
SW/4 NW/4 26-20.5-24E, Folly Co. N.M.
South Dagger Draw Upper PENNSYLVANIAN

* 1-F

Spudded 3/11/71 Completed 5/23/71

1980 ENL + 1980 FSL
SW/4 NW/4 26-205-24E, Eddy Co. N.M.
South Dagger Draw Upper Pennsylvanian

TD

Drilling Contractor Sharp Drilling Company

[illegible]

Preston-Federal #1-L
850' FWL ~ 1900' ESL
NW 1/4 SW 1/4 35-20-S-24E Eddy Co., N.M.
South Dagger Draw-Upper Pennsylvanian

Spudded 11/23/70 Completed 3/24/71
TD 2800' 7668-7700'
Drilling Contractor Sharp Drilling Company

		OIL					WATER					GAS	
		Days Produced	Allowable	Beginning	Produced	Sold	Other	Ending	Produced	Produced	Used	Sold	
1971													
Sept.	Undesignated Gas Well												
	Eddy County												
	Preston-Federal												
	1 L 35-20S-24E												
1972													
1973													
MAR.		5		—	—	—	+ 815	815	8640	374		374	367
APR.		20		815	1213			1028	63578	10536		10536	
MAY		11		1028	30		- 970	88	28828	10387		10387	
JUN.		—		88	—			88	34418	6896		6896	
JUL.		—		88	—			88	13307	2653		2653	
AUG.		4		88	209			297	22513	5706		5706	
SEPT.		—		297	—	171	- 126		29330	3211		3211	
OCT.		10		—	—	—			32298	2651		2651	
NOV.		15		—	—	—			15982	1694		1694	
DEC.		5		—	—	—			1032	1853		1853	
	1973				452	171	- 281		249926	45961		45961	
	Cum				452	171	- 281		249926	45961		45961	
1974													
JAN.		5											
FEB.		5											
MAR.		5											
APR.		15		334			+ 334	334	17952	1092		1092	
MAY		2		334				334	4434	829		829	
JUN.		2		334				334	4656	0			
JUL.		5		334				334					
AUG.		5		334				334					
SEPT.		5		334				334					
OCT.		5		334				334					
NOV.		5		334				334					
DEC.		5		334				334					
	1974				—	—	+ 334		27042	1921		1921	
	Cum				452	171	+ 53		276968	47882		47882	

Beiston-Federal #1-L
850' ENL + 1900' ESL
ANM/4 5M/4 35-205-24E Eddy Co. N.M.
South Dager & Deam Upper Pennsylvanian

Spudded 11/23/70 Completed 3/24/71
TD _____
Drilling Contractor Sharp Drilling Company

8

		OIL				WATER				GAS			
WELLS	STATUS	Days Produced	Allowable	Beginning	Produced	Sold	Other	Ending	Produced	Produced	Used	Sold	Other
1975													
JAN.				334				334					
Feb				334				334					
Mar.				334				334					
Apr.				334				334					
May				334				334					
Jun.				334				334					
Jul.				334				334					
Aug.	P	20		334				334	32280	2086		2086	
Sept	P	30		334				334	23400	761		761	
Oct	P	19		334				334	31806	526		526	
Nov	G	23		334				334	31580	1487	7	1480	
Dec.	G	23		334				334	34500	690	2	688	
1975									153566	5550	9	5541	
Cum					452	171	53		430534	53432	9	53423	
1976													
JAN.	G	23		334				334	34500	3461	12	3449	
Feb	G	20		334				334	26580	4773	21	4752	
Mar.	G	20		334		0		334	26580	4816	22	4794	
Apr.	G	19		334		0	334	0	10777	5238	23	5215	
May	G	22		0				0	12479	3973	18	3955	
Jun.	G	28		0				0	34453	6966	30	6936	
Jul	G	29		0				0	45802	5574	25	5549	
Aug.	G	29		0				0	29674	3808	17	3791	
Sept	G	28		0				0	27654	1533	7	1526	
Oct	G	25		0				0	26606	14939	65	14874	
Nov.	G	25		0				0	24971	19767	12	2732	130236
Dec.	G	13		0				0	9490	15106	7	1705	133946
					-10-	-10-	334		309566	85954	259	59278	26417
					452	171	387		740100	139386	268	112701	26417

Spudded 11-23-70 Completed 3-24-71
TD _____
Drilling Contractor Sharp Drilling Co.

WATER

[illegible]

Spudded 4/17/71 Completed 5/24/71
TD 7936' 7754-64 7776-7786, 7790-7800'
Drilling Contractor Sharp Drilling Company

Penny-Federal #1-N
1640' FSL to 1980' FNL
1-SE/4 SW/4 23-20S-24E Eddy Co., N.M.
Sharp Drilling Company

		OIL					WATER			GAS		
		Days Produced	Allowable	Beginning	Produced	Sold	Other	Ending	Produced	Produced	Used	Sold
		5/71 thru 3/73 well shut in pending gas connections										
1973	March	5	—0—	—0—	—0—	—0—	+815	815	6844	437 378		437 378
	April	15	—0—	815	132	—0—		947	23755	4816		4816
	May	24	341	947	167	—0—	-750	364	37691	12984		12984
	June	30	330	364	455	339		480	36551	20197		20197
	July	16	341	480	107	341		246	13027	5572		5572
	August	24	341	246	95	—0—		341	35959	11982		11982
	Sept.	27	330	341	145	—0—		486	52656	10703		10703
	Oct.	28	341	486	184	—0—		670	41025	8838		8838
	Nov.	29	465	670	311	688		193	25469	7998		7998
	Dec.	3	465	193	134			327	47116	7412		7412
					1630	1368	+ 65		320093	90502		90502
					1630	1368	+ 65		320093			
1974	JAN.	2	465	327	—0—	—0—	-246 (6)	327	3456	—0—		—0—
	Feb.	—0—	420	327	—0—	—0—	+100	181	—0—	—0—		—0—
	MARCH	—0—	465	181	—0—	—0—	+160	341	—0—	—0—		—0—
	April	24	450	341	140	—0—	+160	641	36854	2600		2600
	May	3		641		—0—		641	3456	1823		1823
	June			641				641				
	July			641				641				
	Aug.			641				641				
	Sept.			641				641				
	Oct.			641				641				
	Nov.			641				641				
	Dec.			641				641				
					140	—0—	+174		43766	4423		4423
					1770	1368	+239		363859	94925		94925
1974	Cum											

Undesignated - Eddy County
PENNY-Federal
1 N 23-20S-24E

100 from DD
160 from 8#1
460 from Viki

Spudded 5/17/71 Completed 5/24/71
 TD 2936' (2254.4, 7776-86, 7750-7800)
 Drilling Contractor Sharp Drilling Company

Spudded	<u>5/17/71</u>	Completed	<u>5/24/71</u>
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ID 7936' (775424, 7776-86, 7750-7800.)

Drilling Contractor Sharp Drilling Company

OIL													WATER			GAS		
OIL													WATER			GAS		
OIL													WATER			GAS		
OIL													WATER			GAS		
OIL													WATER			GAS		
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