

EPNG Ex #1
Case # 1967

COMPARISON OF GALLUP, MESAVERDE, AND DAKOTA
RESERVOIR CHARACTERISTICS

	<u>Devil's Fork Gallup</u>	<u>Average Mesaverde</u>	<u>Average Dakota</u>
Porosity	12.4%	9.1%	7.2%
Connate Water	29.0%	28.6%	30.6%
Thickness	10'	31'	40'
Initial Reservoir Pressure	2015	1362	2877
Reservoir Temperature	126° F	154° F	165° F
Permeability	14.65 md.	4.38 md.	4.12 md.
Initial Potential (AOF)	7849	3950	4273
Recoverable Reserve (MCF/ac. ft.)	530	233.9	329.9

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EPNG EXHIBIT No. 1
CASE 1967

EL PASO NATURAL GAS COMPANY
Preliminary Report CANYON LARGO #89

EPNG Ex #2
Case # 1967

C—Crack
F—Fracture
H—Horizontal
O—Open

LEGEND
NF—No Fracture
IS—Insufficient Sample

S—Slight
St—Stain
V—Vertical
Vu—Vugs

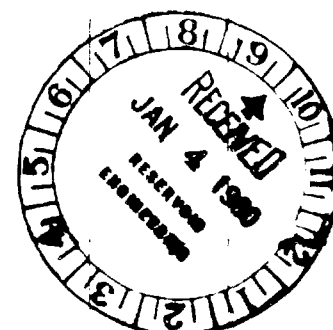
SAMPLE NO.	LEGEND	DEPTH, FEET	EFFECTIVE POROSITY PORESPACE	PERMEABILITY MILLIDARCIES		SATURATIONS		CONNATE WATER	SOLUBILITY	
				HORIZONTAL	VERTICAL	% PORE SPACE RESIDUAL OIL	% PORE SPACE TOTAL WATER		MUD ACID	IS. ACID
Core No. 2 continued										
24	NF	5390-91	3.4	0.01		5.1	94.3			
25	NF	5391-92	2.7	0.01		2.4	97.1			
26	NF	5392-93	5.6	0.02		13.4	60.9			
27	NF	5393-94	2.3	0.01		4.3	94.8			
		5394-95	No sample taken							
28	NF	5395-96	2.7	0.01		1.9	95.9			
		5396-5406	No samples taken							
29	NF	5406-07	2.1	0.07		0.8	97.4			
30	NF	5411-12	2.6	0.03		1.2	98.1			
Core No. 3 5458 - 5502 Recovered 44'										
31	NF	5484-85	3.0	0.10		2.2	46.3			
32	NF	5485-86	11.5	8.75		5.9	30.1			
33	NF	5486-87	9.1	5.13		10.3	30.5			
34	NF	5487-88	6.7	0.04		22.6	27.1			
35	NF	5488-89	4.4	0.10		17.3	37.9			
36	NF	5489-90	10.2	0.83		26.4	29.1			
37	NF	5490-91	7.5	0.17		12.6	34.8			
38	NF	5491-92	12.7	40		22.3	25.6			
39	NF	5492-93	13.2	25		9.4	37.9			
40	NF	5493-94	5.8	0.22		17.4	46.2			
41	VF	5494-95	11.2	7.17		14.3	28.5			
42	NF	5495-96	10.5	5.51		8.2	25.2			
43	NF	5496-97	14.5	43		9.7	34.2			
44	NF	5497-98	14.9	74		15.9	28.3			
45	NF	5498-99	12.5	19		12.6	29.7			
46	NF	5499-5500	9.9	1.84		11.0	33.8			
47	NF	5500-01	8.9	0.08		12.7	34.5			
48	NF	5501-02	6.3	0.05		21.8	52.5			
Core No. 4 6290 - 6343 Recovered 53'										
49	NF	6291-92	4.9	0.47		0	49.9			
50	NF	6297-98	6.5	0.02		0	58.4			
51	NF	6298-99	7.5	0.03		0	40.0			
52	NF	6299-6300	8.5	0.03		0	47.0			
53	NF	6300-01	8.3	0.04		0	56.6			
54	NF	6301-02	8.5	0.03		0	51.7			
55	NF	6302-03	7.5	0.02		0	70.1			
56	NF	6303-04	7.4	0.04		0	58.1			
57	NF	6304-05	8.5	0.03		0	58.8			
58	NF	6305-06	9.6	0.05		0	48.9			
59	NF	6306-07	9.0	0.06		Trace	64.4			

RECEIVED
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RESERVOIR ENGINEERING

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EPNG EXHIBIT No. 2
CASE 1967

Comp ↑
Dskts ↓

ILLEGIBLE



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EPNG EXHIBIT No. 2
CASE 1967

Collop ↑
Dakota ↓

ILLEGIBLE

DEVIL'S FORK CALLIF POOL
Rio Arriba County, New Mexico

10 X 10 TO THE 1/2 INCH 359-11
KEUFFEL & ESSER CO. MADE IN U.S.A.
INITIAL POTENTIAL -- M² CF/D

BEFORE THE
OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO
EPNG EXHIBIT #3
CASE # 1701
JAN 1967

NET PRODUCTIVE DAY--FT

10 11 12 13 14

15

10

5

Large Spur #2
14,375 MCF/D
12'

Large Spur #1
16,446 MCF/D
12'

Canyon Largo #39
9,033 MCF/D
12'

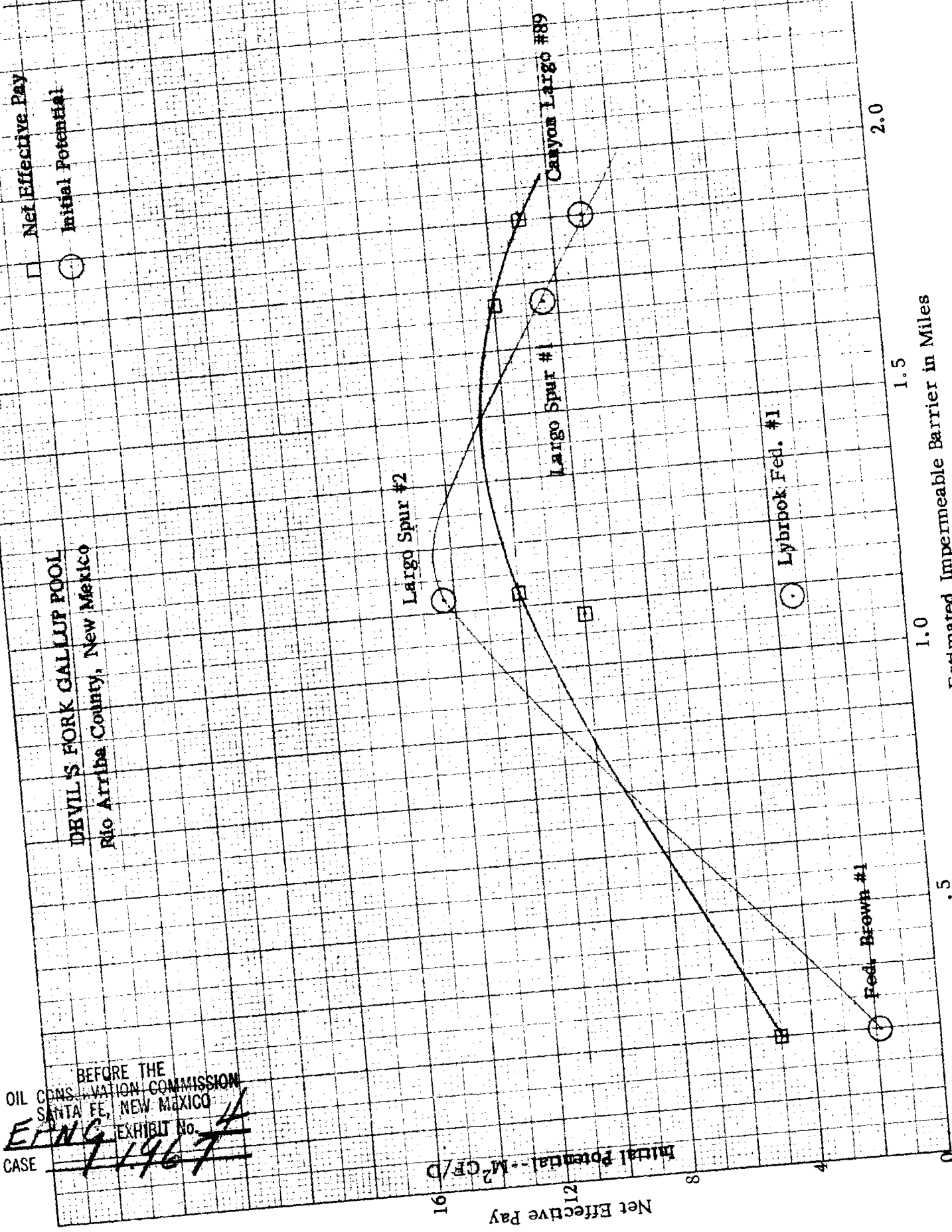
Lybrook #1
3,475 MCF/D
10'

Brown #1
1,875 MCF/D
8'

TO X 10 TO THE 1/2 INCH 359-111
REPERE C. L. 62700

DEVIL'S FORK GALLUP POOL
Rio Arriba County, New Mexico

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT No. 4
CASE 1967



ECONOMIC EVALUATION
AVERAGE WELL - DEVILS FORK

RIO ARriba COUNTY, NEW MEXICO

ASSUMPTIONS: Recoverable Reserve - 5,300 MCF/acre
Average Initial Production - 1,000 MCF/d
Liquids - 8 bbls/million @ \$2.00/bbl
All volumes are @ 15.025 Psi & 60° F
Estimated completed well cost - \$80,000.00

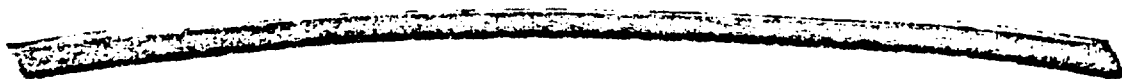
<u>YEAR</u>	<u>ANNUAL GAS, MMCF</u>	<u>GAS & LIQUID VALUE (14.6¢/MCF)</u>	<u>LESS ROYALTY & TAXES (23.14%)</u>	<u>OPERATING EXPENSE</u>	<u>NET TO OPERATOR</u>	<u>DISCOUNTED PRESENT WORTH @ 6%</u>
<u>320 ACRE SPACING</u>						
1	365	\$53,290	\$12,331	\$1,800	\$39,159	\$38,035
2	365	53,290	12,331	1,800	39,159	35,882
3	365	53,290	12,331	1,800	39,159	33,851
4	292	42,632	9,865	1,800	30,967	25,254
5	182	26,572	6,149	1,800	18,623	14,328
6	127	18,542	4,291	1,800	12,451	9,037
	<u>1,696</u>					<u>\$156,387</u>

The fair market value of 320 acre spaced well @ 2/3 of 6% = \$104,258

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
R+H EXHIBIT No. 3
CASE 1967

Case No.

1967



Large Exhibits

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY RIO ARriba, NEW MEXICO FIELD or LOCATION DEVILS FORK WELL MILLER A #1 COMPANY T.H. MC ELVAIN	COMPANY <u>T.H. MC ELVAIN</u>		Other Surveys SGR		
	WELL <u>MILLER A #1</u>		Location of Well <u>SEC. 13-24N-7W</u> <u>990' FR N/L</u> <u>990' FR E/L</u>		
	FIELD <u>DEVILS FORK</u>		Elevation: D.F.: K.B.: <u>6933'</u> or G.L.: <u>6922'</u>		
	LOCATION <u>SEC. 13-24N-7W</u>		FILING No. _____		
	COUNTY <u>RIO ARriba</u>				
STATE <u>NEW MEXICO</u>					

RUN No.	ONE				
Date	5-13-60				
First Reading	6896				
Last Reading	204				
Feet Measured	6692				
Csg. Schlum.	204				
Csg. Driller	204				
Depth Reached	6902				
Bottom Driller	6900				
Depth Datum	KB				
Mud Nat.	GEL CHEM				
Dens. Visc.	9.9 70				
Mud Resist.	2.2 @ 100°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.6 @ 138°F	@ °F	@ °F	@ °F	@ °F
Rmf	1.0 @ 138°F	@ °F	@ °F	@ °F	@ °F
Rmc	@ 138°F	@ °F	@ °F	@ °F	@ °F
" pH	- @ - °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	- CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN					
IND.	5FF40				
Opr. Rig Time	2 1/2 HOURS				
Truck No.	2517 FARM				
Recorded By	HANDLEY				
Witness	MR. MC ELVAIN & MR. WUNNIKE				

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

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