

Phone
522-1206 Area 303

LYNES, INC.

Box 712
Sterling, Colo. 80751

Contractor Cactus Drlg. Corp.
Rig No. 4
Spot 660' FNL 660' FWL
Sec. 5
Twp. 12 S
Rng. 37 E
Field Wildcat
County Lea
State New Mexico
Elevation 3962' "K.B."
Formation _____

Top Choke Adjustable
Bottom Choke Adjustable
Size Hole 7 7/8"
Size Rat Hole --
Size & Wt. D. P. 4" 15.70
Size Wt. Pipe --
I. D. of D. C. 2 1/4"
Length of D. C. 450'
Total Depth 13,570'
Interval Tested 13,326-13,370'
Type of Test Inflate
Straddle

Flow No. 1 30 Min.
Shut-in No. 1 60 Min.
Flow No. 2 180 Min.
Shut-in No. 2 270 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. --
Mud Weight 10.2
Gravity 45
Viscosity --

Tool opened @ 11:05 AM.

Inside Recorder

PRD Make Kuster K-3
No. 12638 Cap. 7500 @ 13334'

	Press	Corrected
Initial Hydrostatic	A	7074
Final Hydrostatic	K	7113
Initial Flow	B	1751
Final Initial Flow	C	3747
Initial Shut-in	D	4959
Second Initial Flow	E	3583
Second Final Flow	F	4975
Second Shut-in	G	5006
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Hobbs, N.M.

Our Tester: Bill Pierce

Witnessed By: Dennis Bryan

Did Well Flow -- Gas No Oil No Water No

RECOVERY IN PIPE: 8510' Total fluid.

534' Drilling fluid = 5.45 bbl.

7976' Sulfur water = 78.97 bbl.

REMARKS:

1st Flow - Tool opened with a fair blow, increased to a strong blow in 2 minutes and remained thru flow period.
2nd Flow - Tool opened with weak blow, increased to a strong blow in 3 minutes. Blow began to decrease to a weak blow in 85 minutes and remained thru flow period.

Address See Distribution

Ticket No. 11914

Date 4-21-78

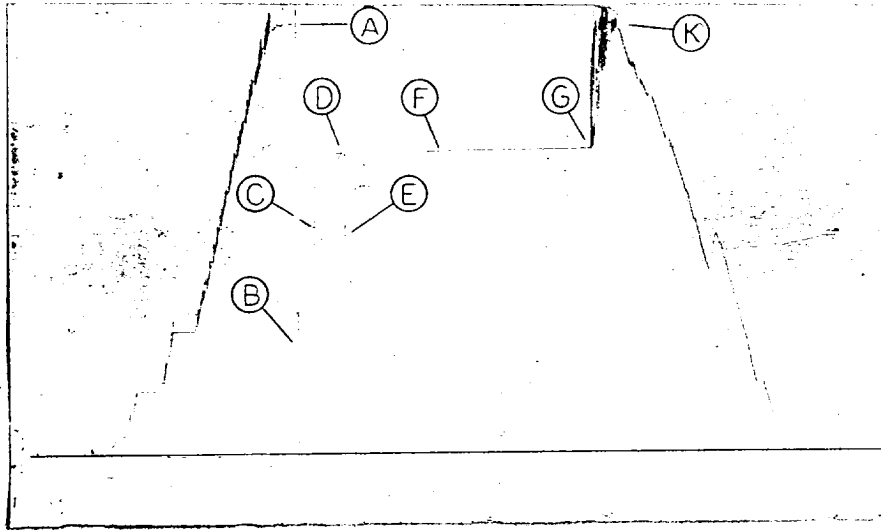
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Operator Diamond Shamrock Oil & Gas Co.

Well Name and No. Michael Horton #1-5

LYNES, INC.

Operator Diamond Shamrock Oil & Gas Co. Lease & No. Michael Horton #1-5 DST No. 2



Inside Recorder

PRD Make Kuster K-3
No. 3508 Cap. 7500 @ 13334'

Press		Corrected
Initial Hydrostatic	A	7099
Final Hydrostatic	K	7099
Initial Flow	B	1742
Final Initial Flow	C	3739
Initial Shut-in	D	4950
Second Initial Flow	E	3575
Second Final Flow	F	4968
Second Shut-in	G	4997
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Pressure Below Bottom
Packer Bled To

PRD Make _____
No. _____ Cap. _____ @ _____

Press		Corrected
Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-in	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-in	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	

Pressure Below Bottom
Packer Bled To

LYNES INC.

REPORT # 435

WELL NAME - MICHAEL HORTON 1-5

WELL OPERATOR - DIAMOND SHAMROCK OIL & GAS CO.

DST NUMBER - 2

RECORDER NUMBER - 12638

FIRST SHUT IN PRESSURE

TIME(MIN) PHI -----	(T+PHI) /PHI -----	PSIG -----
.0	.0000	3747
6.0	6.0000	4883
12.0	3.5000	4900
18.0	2.6667	4911
24.0	2.2500	4921
30.0	2.0000	4931
36.0	1.8333	4940
42.0	1.7143	4944
48.0	1.6250	4950
54.0	1.5556	4955
60.0	1.5000	4959

EXTRAPOLATION OF FIRST SHUT IN = 5004.42

LYNES INC.

REPORT # 435

WELL NAME - MICHAEL HORTON 1-5

WELL OPERATOR - DIAMOND SHAMROCK OIL & GAS CO.

DST NUMBER - 2

RECORDER NUMBER - 12638

SECOND SHUT IN PRESSURE

TIME(MIN) PHI -----	(T+PHI) /PHI -----	PSIG -----
.0	.0000	4975
27.0	8.7778	4984
54.0	4.8889	4991
81.0	3.5926	4994
108.0	2.9444	4994
135.0	2.5556	4994
162.0	2.2963	4994
189.0	2.1111	4994
216.0	1.9722	4997
243.0	1.8642	5002
270.0	1.7778	5006

FITTED LINE: $\text{LOG}((T_0 + \text{PHI}) / \text{PHI}) = -.00680 \text{ PSIG} + 34.27396$

EXTRAPOLATION OF SECOND SHUT IN = 5042.76 M = 147.13

LYNES, INC.

Distribution of Final Reports

Operator Diamond Shamrock Oil & Gas Co. Well Name and No. Michael Horton #1-5

Original & 1 copy: Diamond Shamrock Oil & Gas Co., Star Route #1, Box 36, Sunray, Texas
79806

3 copies: Diamond Shamrock Oil & Gas Co., Box 631, Amarillo, Texas 79173 Attn:
Dudley Smith