

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources

Form C-105
Revised March 25, 1999

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-36186

5. Indicate Type of Lease
STATE ☒ FEE ☐

State Oil & Gas Lease No. No

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER _____

b. Type of Completion:

NEW ☐ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF.
WELL ☒ OVER BACK RESVR. ☐ OTHER

2. Name of Operator

Miller, Dyer & Co. LLC

8. Well No.

1

3. Address of Operator

508 West Wall #700, Midland, TX 79701

9. Pool name or Wildcat

Wildcat Penn

4. Well Location

Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line

Section 33 Township 12-S Range 38-E NMPM Lea County

10. Date Spudded
3-14-03

11. Date T.D. Reached
4-10-03

12. Date Compl. (Ready to Prod.)
P&A

13. Elevations (DF& RKB, RT, GR, etc.)
3840 KB & 3822 GR

14. Elev. Casinghead
3822

15. Total Depth
9800

16. Plug Back T.D.
P&A

17. If Multiple Compl. How Many
Zones?

18. Intervals
Drilled By

Rotary Tools
All

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

P&A

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

Dual Induction, Dual Spaced Neturon, Borehole Comp Sonic with Gamma R.

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48 #/ft	475	17 1/2	Circulated	None
8 5/8	32 #/ft J-55 & N-80	4557	11	Circulated	None

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

26. Perforation record (interval, size, and number)

P & A

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production P&A	Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut in) dry hole	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

30. List Attachments

Electric Logs, Deveation Survey and DST Nos 1,2, & 3.

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature

Printed Name J. W. Mulloy

Title Agent

Date 8-19-03

Kz

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 25 through 29 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	
T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt Rustler 2288(+1552)	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates 3093(+747)	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres 4533(-1393)	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta 5972(-2132)	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb 7130(-3390)	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo 7920(-4080)	T. _____	T. Wingate _____	T. _____
T. Wolfcamp 9466(-5326)	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, fromto.....
 No. 2, fromto.....
 No. 3, fromto.....
 No. 4, fromto.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, fromto.....feet.....
 No. 2, fromto.....feet.....
 No. 3, fromto.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
2288	3093	305	ANHY & SALT				
3093	3237	144	SAND & ANHY				
3237	4533	1296	ANHY & DOLO.				
4533	5972	1439	DOLO.				
5972	6622	650	SAND & DOLO.				
6622	7230	608	DOLO.				
7230	7350	120	SAND & DOLO.				
7350	7920	570	DOLO.				
7920	9150	1260	DOLO & SHALE				
9150	9350	200	LIME & DOLO.				
9350	9800	450	LIME & SHALE				

Clear



COMPANY : MILLER, DYER & CO., LLC
LEASE : GLADYS
WELL NO. : # 1
FIELD : WILDCAT
COUNTY/STATE : LEA / NEW MEXICO

TEST DATE : 04/08/03
D.S.T. NO. : 1
TEST TKT. NO. : 22161
INVOICE NO. : 20367
ORDER NO. :

FORMATION : WOLFCAMP
INTERVAL (ft) : 9600 TO 9618
TOTAL DEPTH (ft): 9618
ELEVATION (ft) :

HOLE SIZE (in) : 7.875
DRILL PIPE ID (in) : 3.82
DRILL COLLAR ID(in): 2.25
DRILL COLLAR feet : 725

ANCHOR LENGTH (ft): 18
TOOL LENGTH (ft) : 57
TOOL O.D. (in) : 5
PACKER SIZE (in) : 7.000

RECORDER DATA
AK-~~IK~~USTER/ZI PROBE

TOP RECORDER: IN
RECORDER NO. : 9629
CAPACITY (psi): 10000
DEPTH (ft) : 9603
CLOCK NO. : 9629
DURATION (hrs): 99

BOTTOM RECORDER: OUT
RECORDER NO. : 13532
CAPACITY (psi): 7025
DEPTH (ft) : 9615
CLOCK NO. : 16199
DURATION (hrs): 24

MUD PROPERTIES

MUD TYPE : CHEM / GEL
MUD WT. (#/gal) : 9.50

WATER LOSS (cc) : 11.0
FILTER CAKE (in) : 1/32
VISCOSITY (sec) : 38

CHLORIDE PPM : 12000
RESISTIVITY(ohm-m): .640

EQUIPMENT DATA

CONVENTIONAL : YES
STRADDLE : NO
SELECTIVE ZONE : NO
SAMPLE CHAMBER : YES
GAS ANALYSIS : NO

ROTARY JARS : YES
NO. OF PACKERS : 2
SAFETY JOINT : YES
CIRCULATING SUB : YES
REVERSED OUT : NO

MULTIFLOW : NO
MILEAGE : NO
OPERATOR TIME : NO
OTHER : YES
Z.I./GRC ELECTRONIC(2)

SUCCESSFUL : NO

PACKER FAILURE : YES

TOOL PLUG : NO

DECIDED NOT TO TEST : NO

FAIL TO REACH BOTTOM : NO

TIME INTERVAL DATA (min)

TOOL OPENED : 8:45 AM

TOTAL TEST TIME: 20

INITIAL FLOW : 20
SECOND FLOW :
THIRD FLOW :

INITIAL SHUT-IN:
SECOND SHUT-IN :
THIRD SHUT IN :

TEST TOOL OPERATOR: DANIEL SAMPLES



MILLER, DYER & CO., LLC

GLADYS # 1
D.S.T. NO. : 1

CORRECTED READING

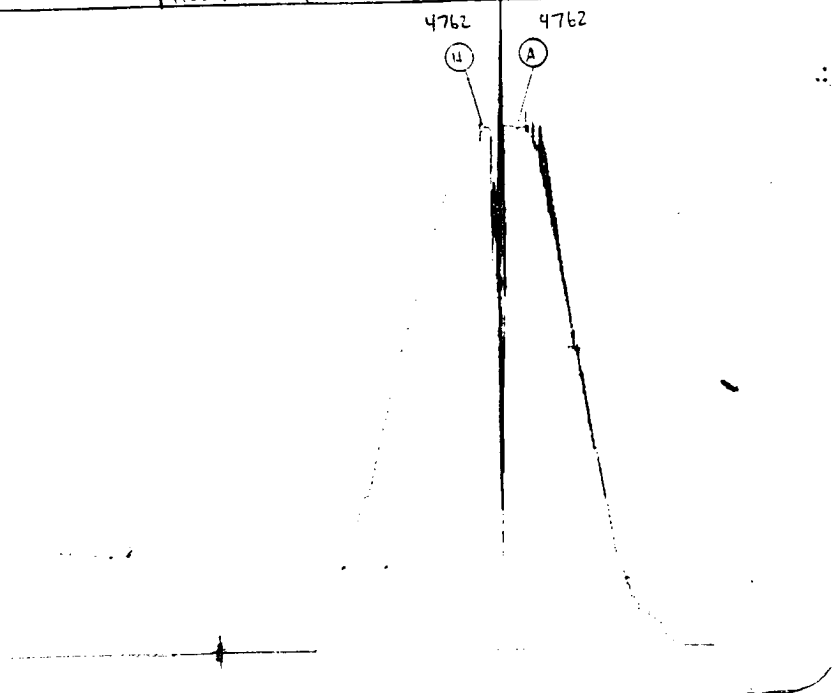
A INITIAL HYDROSTATIC:
B-1 INITIAL FIRST FLOW :
B-2 FINAL FIRST FLOW :
C FIRST SHUT-IN :
D-1 INITIAL SECOND FLOW:
D-2 FINAL SECOND FLOW :
E SECOND SHUT-IN :
H FINAL HYDROSTATIC :

4753 PSI
PSI
PSI
PSI
PSI
PSI
PSI
4753 PSI

FIELD READING

PSI
PSI
PSI
PSI
PSI
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PSI

TKT- 22161 REC-13532 WT- 7025
AV-1 KUSTER 24 HR. CLOCK
BOTTOM RECORDER OUTSIDE
MISS-RUN: PACKER FAILURE



RECOVERY DATA

PIPE RECOVERY
2500 FT. OF DRLG. MUD

B.H. TEMP. (deg F) : 147

SAMPLE CHAMBER
2000 CC'S OF DRLG. MUD

TEST REMARKS

TOOL OPENED & SLID 5 FT. TO BOTTOM WITH NO PACKER SEAT.
(MISS-RUN; PACKER FAILURE)



COMPANY : MILLER, DYER & CO. LLC
LEASE : GLADYS
WELL NO. : # 1
FIELD : WILDCAT
COUNTY/STATE : LEA / NEW MEXICO

TEST DATE : 04/09/03
D.S.T. NO. : 2
TEST TKT. NO. : 22162
INVOICE NO. : 20371
ORDER NO. :

FORMATION : WOLFCAMP
INTERVAL (ft) : 9606 TO 9618
TOTAL DEPTH (ft) : 9618
ELEVATION (ft) :

HOLE SIZE (in) : 7.875
DRILL PIPE ID (in) : 3.82
DRILL COLLAR ID(in) : 2.25
DRILL COLLAR feet : 725

ANCHOR LENGTH (ft): 12
TOOL LENGTH (ft) : 57
TOOL O.D. (in) : 5
PACKER SIZE (in) : 7.000

RECORDER DATA
AK-1KUSTER / ZIPROBE

TOP RECORDER: IN
RECORDER NO. : 9629
CAPACITY (psi): 10000
DEPTH (ft) : 9575
CLOCK NO. : 9629
DURATION (hrs): 99

BOTTOM RECORDER: OUT
RECORDER NO. : 13532
CAPACITY (psi): 7025
DEPTH (ft) : 9615
CLOCK NO. : 16199
DURATION (hrs): 24

MUD PROPERTIES

MUD TYPE : BAR / GEL
MUD WT. (#/gal) : 9.40

WATER LOSS (cc) : 10.0
FILTER CAKE (in) : 1/32
VISCOSITY (sec) : 36

CHLORIDE PPM : 12100
RESISTIVITY(ohm-m): .635

EQUIPMENT DATA

CONVENTIONAL : YES
STRADDLE : NO
SELECTIVE ZONE : NO
SAMPLE CHAMBER : YES
GAS ANALYSIS : NO

ROTARY JARS : YES
NO. OF PACKERS : 2
SAFETY JOINT : YES
CIRCULATING SUB : YES
REVERSED OUT : NO

MULTIFLOW : NO
MILEAGE : NO
OPERATOR TIME : NO
OTHER : YES
Z.I./GRC ELECTRONIC(2)

SUCCESSFUL : YES

PACKER FAILURE : NO

TOOL PLUG : NO

DECIDED NOT TO TEST : NO

FAIL TO REACH BOTTOM : NO

TIME INTERVAL DATA (min)

TOOL OPENED : 11:50 AM

TOTAL TEST TIME: 259

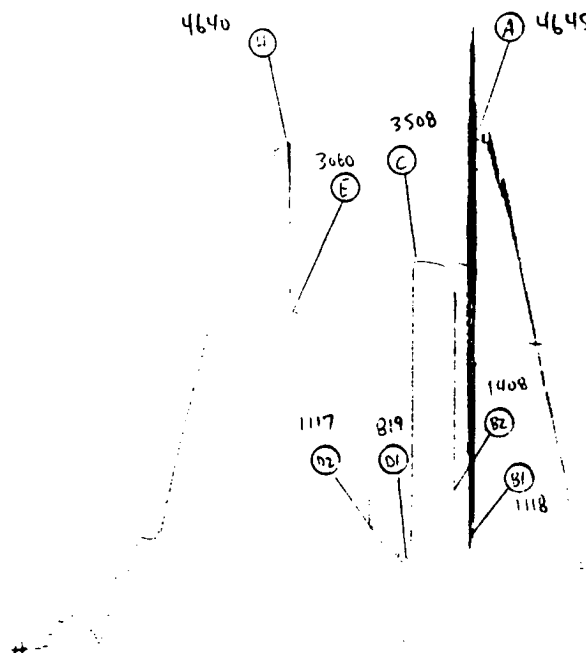
INITIAL FLOW : 24
SECOND FLOW : 58
THIRD FLOW :

INITIAL SHUT-IN: 61
SECOND SHUT-IN : 116
THIRD SHUT IN :

TEST TOOL OPERATOR: DANIEL SAMPLES

		CORRECTED READING	FIELD READING
A	INITIAL HYDROSTATIC:	4635 PSI	4635 PSI
B-1	INITIAL FIRST FLOW :	1684 PSI	PSI
B-2	FINAL FIRST FLOW :	1398 PSI	PSI
C	FIRST SHUT-IN :	3498 PSI	3497 PSI
D-1	INITIAL SECOND FLOW:	810 PSI	783 PSI
D-2	FINAL SECOND FLOW :	1107 PSI	1107 PSI
E	SECOND SHUT-IN :	3050 PSI	3070 PSI
H	FINAL HYDROSTATIC :	4630 PSI	4630 PSI

TKT- 22162 REC- 17532 WT- 7025
 AK-1 KUSTER 24 HR. CLOCK
 BOTTOM RECORDED: OUTSIDE

RECOVERY DATA

PIPE RECOVERY

B.H. TEMP. (deg F) : 147

SAMPLE CHAMBER

180 FT. OF GAS IN PIPE
 2595 FT. OF TOTAL FLUID
 950 FT. OF OIL & GAS CUT DRLG. MUD (20% OIL)
 1645 FT. OF SALTWATER
 71,000 MG/L CHLORIDES- .131 OHMS @ 85 DEGREES

500 LBS. OF PRESSURE
 .30 CU. FT. OF GAS
 2000 CC'S OF SALTWATER
 71,000 MG/L CHLORIDES
 .131 OHMS @ 85 DEGREES

(BOTTOM HOLE COLLARS WERE PACKED FULL OF CUTTINGS)

TEST REMARKS

TOOL OPENED WITH GOOD BLOW (18" IN WATER) IN 4 MIN., 14 OZS. ON 1/4"
 CHOKE IN 5 MIN., BEGAN DECREASING IN 7 MIN. TO 6 OZS. IN 10 MIN. & 1 OZ.
 AT END OF THE 30 MIN. FIRST FLOW PERIOD. REOPENED TOOL WITH 5 OZS. ON 1/4"
 CHOKE IN 5 MIN., 6 OZS. IN 20 MIN., 6 OZS. IN 40 MIN. & 8.5 OZS. AT END OF
 THE 60 MIN. FINAL FLOW.

(CHARTS INDICATE SEVERE PLUGGING ACTION DURING FIRST FLOW)



COMPANY : MILLER, DYER & CO. LLC
LEASE : GLADYS
WELL NO. : # 1
FIELD : WILDCAT
COUNTY/STATE : LEA / NEW MEXICO

TEST DATE : 04/11/03
D.S.T. NO. : 3
TEST TKT. NO. : 22152
INVOICE NO. : 20373
ORDER NO. :

FORMATION	:	WOLFCAMP	HOLE SIZE (in)	:	7.875	ANCHOR LENGTH (ft):	220
INTERVAL (ft)	:	9048 TO 9260	DRILL PIPE ID (in)	:	3.82	TOOL LENGTH (ft)	: 114
TOTAL DEPTH (ft):	:	9800	DRILL COLLAR ID(in):	:	2.25	TOOL O.D. (in)	: 5
ELEVATION (ft)	:	3822	DRILL COLLAR feet	:	240	PACKER SIZE (in)	: 7.000

RECORDER DATA
AK-IKUSTER / ZIPROBE

TOP RECORDER: IN
RECORDER NO. : 6282
CAPACITY (psi): 6975
DEPTH (ft) : 9018
CLOCK NO. : 17908
DURATION (hrs): 24

BOTTOM RECORDER: OUT
RECORDER NO. : 9628
CAPACITY (psi): 10000
DEPTH (ft) : 9050
CLOCK NO. : 9628
DURATION (hrs): 99

MUD PROPERTIES

MUD TYPE : GEL / PAC
MUD WT. (#/gal) : 9.20

WATER LOSS (cc) : 10.0
FILTER CAKE (in) : 1/32
VISCOSITY (sec) : 38

CHLORIDE PPM : 15000
RESISTIVITY(ohm-m): .520

EQUIPMENT DATA

CONVENTIONAL : NO
STRADDLE : YES
SELECTIVE ZONE : NO
SAMPLE CHAMBER : YES
GAS ANALYSIS : NO

ROTARY JARS : YES
NO. OF PACKERS : 4L
SAFETY JOINT : YES
CIRCULATING SUB : YES
REVERSED OUT : NO

MULTIFLOW : NO
MILEAGE : NO
OPERATOR TIME : NO
OTHER : YES
ZI ELECTRONICS(2)

SUCCESSFUL : YES

PACKER FAILURE : NO

TOOL PLUG : NO

DECIDED NOT TO TEST : NO

FAIL TO REACH BOTTOM : NO

TIME INTERVAL DATA (min)

TOOL OPENED : 4:30 AM

TOTAL TEST TIME: 274

INITIAL FLOW : 30
SECOND FLOW : 60
THIRD FLOW :

INITIAL SHUT-IN: 59
SECOND SHUT-IN : 124
THIRD SHUT IN :

TEST TOOL OPERATOR: TOMMY WILLIAMS

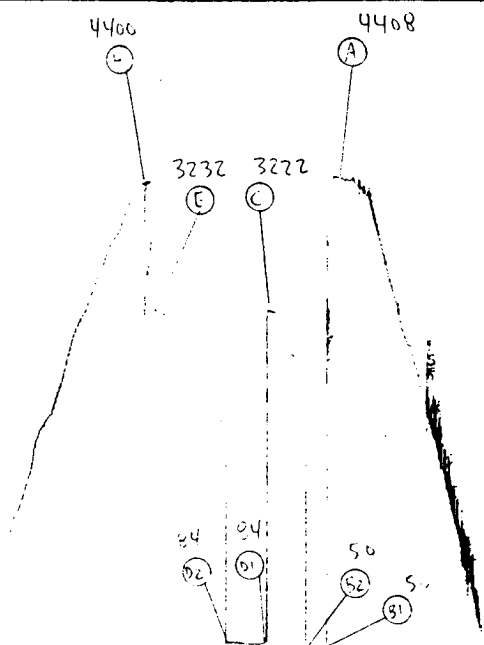


MILLER, DYER & CO. LLC

GLADYS # 1
D.S.T. NO. : 3

	CORRECTED READING	FIELD READING
A INITIAL HYDROSTATIC :	4418 PSI	4430 PSI
B-1 INITIAL FIRST FLOW :	58 PSI	58 PSI
B-2 FINAL FIRST FLOW :	85 PSI	85 PSI
C FIRST SHUT-IN :	3233 PSI	3233 PSI
D-1 INITIAL SECOND FLOW :	94 PSI	94 PSI
D-2 FINAL SECOND FLOW :	136 PSI	136 PSI
E SECOND SHUT-IN :	3243 PSI	3243 PSI
H FINAL HYDROSTATIC :	4410 PSI	4410 PSI

TKT- 22152 REC- 6282 WT- 6975
AK-1 KUSTER 24 HR. CLOCK
BOTTOM RE-CORDER OUTSIDE



RECOVERY DATA

PIPE RECOVERY

B.H. TEMP. (deg F) : 138

SAMPLE CHAMBER

200 FT. OF TOTAL FLUID
30 FT. OF SLIGHTLY GAS CUT DRLG. MUD
170 FT. OF DRLG. MUD

75 LBS. OF PRESSURE
.01 CU. FT. OF GAS
300 CC'S OF FILTRATE WATER
15,000 MG/L CHLORIDES
.520 OHMS @ 85 DEGREES
1700 CC'S OF DRLG. MUD

TEST REMARKS

TOOL OPENED WITH VERY WEAK BLOW (TOP OF WATER) WHICH BUILT TO (1.5" IN WATER) AT END OF THE 30 MIN. FIRST FLOW PERIOD. REOPENED TOOL WITH NO BLOW FOR 45 MIN. & THEN BUILT TO (TOP OF WATER) FOR REMAINDER OF 60 MIN. FINAL FLOW PERIOD.