

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

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

State of New Mexico
Energy, Minerals and Natural Resources

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

CONFIDENTIAL

Form C-105
Revised March 25, 1999

WELL API NO.	30-015-32193
5. Indicate Type of Lease	STATE ☒ FEE ☐
State Oil & Gas Lease No.	647-384 647-394
E-1821-17	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER ☐	7. Lease Name or Unit Agreement Name Artesia "21" State Com
b. Type of Completion: NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. ☐ WELL OVER BACK RESV. ☐ OTHER ☐	8. Well No. 2
2. Name of Operator Dominion Oklahoma Texas Exploration & Production, Inc.	9. Pool name or Wildcat Illinois Camp Morrow, N. (Gas)
3. Address of Operator 14000 Quail Springs Parkway, Suite 600, Oklahoma City, Ok 73134	

4. Well Location Unit Letter <u>H</u> : <u>1650</u> Feet From The <u>North</u> Line and <u>990</u> Feet From The <u>East</u> Line Section <u>21</u> Township <u>18S</u> Range <u>28E</u> NMPM <u>Eddy</u> County
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10. Date Spudded 4-16-02	11. Date T.D. Reached 5-17-02	12. Date Compl. (Ready to Prod.) 6-26-02	13. Elevations (DF& RKB, RT, GR, etc.) 3589	14. Elev. Casinghead
15. Total Depth 10,875'	16. Plug Back T.D. 10,778'	17. If Multiple Compl. How Many Zones? 1	18. Intervals Drilled By Rotary Tools Yes	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 10,663' - 10,668' Morrow				20. Was Directional Survey Made No

21. Type Electric and Other Logs Run Azimuthal Laterolog, Three Detector Litho-Dens.Comp Neutron, Natural GR Spectroscopy	22. Was Well Cored No
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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#	447'	17 1/2"	390 sx	-0-
9 5/8"	36#	2,826'	12 1/4"	1065 sx	-0-
7"	26# & 23#	3,996'	8 3/4"	515 sx	-0-
4 1/2"	11.6#	10,875'	7 7/8"	1650 sx	-0-

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"		10,546'

26. Perforation record (interval, size, and number) 10,633' - 10,627', 10,641' - 10,668' 6 spf	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
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28. PRODUCTION

Date First Production 6/26/02		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing		
Date of Test 10/02/02	Hours Tested 24	Choke Size 28	Prod'n For Test Period	Oil - Bbl 102	Gas - MCF 6,883	Water - Bbl. 5	Gas - Oil Ratio 1:67,480
Flow Tubing Press. 1490	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 102	Gas - MCF 6,883	Water - Bbl. 5	Oil Gravity - API - (Corr.) 57.7	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By
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30. List Attachments

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 <u>Carla Christian</u>	Printed Name <u>Carla Christian</u>	Title <u>Regulatory Specialist</u>	Date <u>10-11-02</u>
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OPERATOR: DOMINION EXPLORATION
WELL/LEASE: ARTESIA 21 ST. #2
COUNTY: EDDY

075-0011

CONFIDENTIAL

STATE OF NEW MEXICO
DEVIATION REPORT

670	1 1/4	9,487	1 3/4
923	1 1/2	9,763	2
1,139	1/4	10,236	1 1/4
1,582	3/4	10,682	3/4
2,057	1	10,875	3/4
2,436	1/2		
2,848	1/2		
3,323	1		
3,801	3/4		
4,283	1 1/2		
4,545	1 3/4		
4,763	1 1/4		
5,237	1 1/2		
5,712	3/4		
6,122	1 3/4		
6,249	1 1/2		
6,502	2		
6,692	1 1/2		
6,911	2		
7,104	2 3/4		
7,230	1		
7,419	1 3/4		
7,641	2		
7,894	2		
8,115	2 1/4		
8,369	1 3/4		
8,652	1 1/2		
8,905	3		
9,032	2		
9,232	2 1/4		



By: Steve Moore

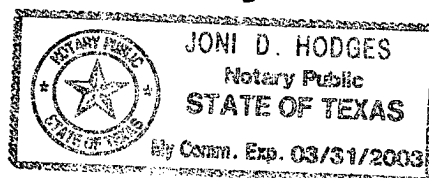
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 22nd day of May, 2002, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 3/31/2003



Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

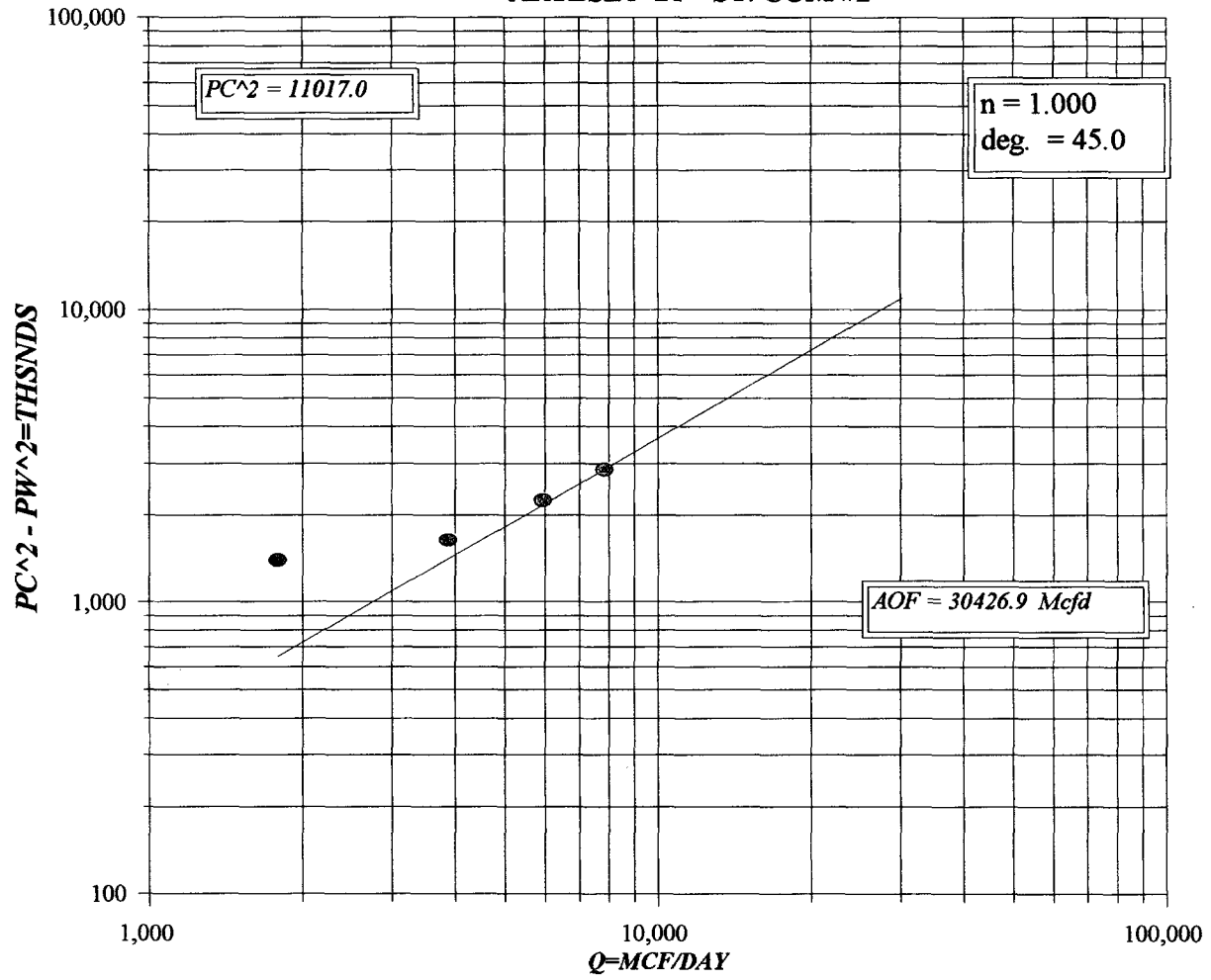
Form C-122
Revised October, 1999

CONFIDENTIAL

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator DOMINION				Lease or Unit Name ARTESIA "21" ST. COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7/8/02	Well No. 2
Completion Date		Total Depth 10875		Plug Back TD 10778		Elevation	Unit Ltr - Sec - TWP - Rge 21 18S 28E
Csg. Size 4 1/2	Wt. 11.6	d 4	Set At 10875	Perforations: From: 10663 To: 10668		County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10546	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10546		Formation MORROW	
Producing Thru Tubing		Reservoir Temp. °F 179	Mean Annual Temp. °F 60	Baro. Press.-P _a 13.2		Connection SALES	
L 10546	H 10546	Gg 0.64	%CO ₂ 0.519	%N ₂ 0.379	%H ₂ S N/A	Prover N/A	Meter Run 3.068
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	3.068 X 2.250		339	6.7	79	3082	
2	3.068 X 2.250		359	29.4	80	3017	
3	3.068 X 2.250		386	60	54	2872	
4	3.068 X 2.250		426	94.6	51	2703	
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor	Rate of Flow Q. Mcfd	
1						1800	
2						3900	
3	TOTAL	FLOW	METER			5987	
4						7899	
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 87.751 Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 56.8 @ 60 Deg.		
2					Specific Gravity Separator Gas 0.64 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXXX GMIX= 673		
4					Critical Pressure 673 P.S.I.A. 672 P.S.I.A.		
5					Critical Temperature 368 R. 378 R		
P _c 3319.2 P ₂ 11017							
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $P_c^2 = \frac{3.852}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.852$		
1		3102	9622.1	1394.9			
2		3062.3	9377.4	1639.6			
3		2962.8	8778.4	2238.6			
4		2856	8156.7	2860.3			
5							
Absolute Open Flow 30426.9 Mcfd @ 15.025					Angle of Slope (°): 45	Slope n: 1	
Remarks: * WELL MADE 9.3 BBLs OF 56.8 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

DOMINION
ARTESIA "21" ST. COM #2



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NEW MEXICO G.O.R./G. MIX

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NO. OF BBLs PRODUCED = 9.3

API GRAVITY @ 60 DEG. = 56.8

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SPECIFIC GRAVITY OF GAS = 0.6400

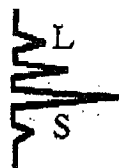
XX

TOTAL GAS PRODUCED = 816

G.O.R. = 87.751

G.MIX = 0.673

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**Laboratory Services, Inc.**

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: Artesia 21 #2
COMPANY: Dominion
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 6/7/02
ANALYSIS DATE: 6/7/02
PRESSURE - PSIG 500
SAMPLE TEMP. °F 81
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Pro Well
ANALYSIS BY: Vickie Biggs

REMARKS: Sample taken @ the meter run.
Condensate API Gravity @ 60° F = 56.8

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.379	
Carbon Dioxide (CO2)	0.519	
Methane (C1)	89.237	
Ethane (C2)	6.084	1.628
Propane (C3)	2.181	0.600
I-Butane (IC4)	0.805	0.100
N-Butane (NC4)	0.544	0.171
I-Pentane (IC5)	0.175	0.064
N-Pentane (NC5)	0.149	0.054
Hexane Plus (C6+)	0.427	0.185
	100.000	2.797

BTU/CU.FT. - DRY 1125
AT 14.650 DRY 1121
AT 14.650 WET 1102
AT 14.73 DRY 1127
AT 14.73 WET 1108

MOLECULAR WT. 18.5616

SPECIFIC GRAVITY -
CALCULATED 0.640
MEASURED

**Laboratory Services, Inc.**

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Hobbs, New Mexico 88240
Telephone: (505) 397-3713

ASTM DISTILLATION

Pro Well Testing & Wireline
P. O. Box 791
Hobbs, New Mexico 88241

Sample Date: 6/7/02
Sampled By: Pro Well

Dominion
Artesia 21 #2
Morrow Formation

Percent DistilledTemperature

IBP	96
5	125
10	181
20	206
30	229
40	241
50	274
60	303
70	337
80	384
90	452
95	509
EP	536

% Recovered = 97.5
% Residue = 1.0
% Loss = 1.5

API Gravity @ 60° F = 56.8

Rolland Perry