

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
Oil Cons.
N.M. Div-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000
5. Lease Serial No.
NMNM-108942

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Diff. Resvr.
Other _____

2. Name of Operator
Dominion Oklahoma Texas Exploration & Production, Inc.

3. Address
14000 Quail Springs Parkway - Ste. 600 - Okla. City, OK 73134

3a. Phone No. (include area code)
405-749-1300

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface
At top prod. interval reported below
UL C, 660' FNL & 1850' FWL
At total depth

6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
8. Lease Name and Well No.
Andalucia "11" Federal Com 1
9. API Well No.
30-015-32462
10. Field and Pool, or Exploratory
Undsg. Cass Ranch; Morrow
11. Sec., T., R., M., or Block and
Survey or Area 11-20S-23E
12. County or Parish
Eddy
13. State
NM
17. Elevations (DF, RKB, RT, GL)*
4024' GL

14. Date Spudded
12/26/02
15. Date T.D. Reached
01/16/03
16. Date Completed
☐ D&A ☒ Ready to prod. 04/29/03

CONFIDENTIAL

18. Total Depth: MD 8,750' TVD
19. Plug Back T.D.: MD 6,965' TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Borehole Comp. Sonic, Azimuthal Laterlog
Three Detector Litho-Density

22. Was well cored? ☐ No ☒ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"	48#	Surface	298'		840 Sx		Surface	
11"	8 5/8"	32#	Surface	1,712'		650 Sx		Surface	
7 7/8"	5 1/2"	17#	Surface	7,745'		1,605' Sx		2610'	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"		6,687'						

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cisco			7054' - 7062', 7334' - 7342'		2 spf	* Closed
B) Cisco			6814' - 6838'		2 spf	Open
C)						
D)						
E) * CIBP @ 7,000' w/35' of cement						
F)						

Depth Interval	Amount and Type of Material
7,054' - 7,342'	Pumped a total of 4,000 gal 20% gelled acid w/51 ball sealers.
6,814' - 6,838'	Acidized w/4,800 gal 20% gelled acid w/20Q N2 & 75 ball sealers.
6,814' - 6,838'	Frac w/37,310 gal YF130D/N2; 4,849 gal WF130N2; 93,139# 20/40 Ottawa; 19,972# 20/40 Super TL

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/29/03	05/06/03	24	→	0	76	6			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	291		→	0	76	6		Producing	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

Production - Interval C									
First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Well Name	Tbg. Press. Flwg. Si	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

Production - Interval D									
First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Well Name	Tbg. Press. Flwg. Si	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

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

Sold

Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	31. Formation (Log) Markers
--	-----------------------------

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas. Depth
Jbb	3,110				
oo	3,695				
Wolfcamp	4,857				
isco	6,320				
rawn	7,768				
oka Clastics	8,046				
orrow Clastics	8,391				
ower Morrow	8,434				
hester	8,593				

Additional remarks (include plugging procedure)

Circle enclosed attachments:

- ☒ 1. Electrical/Mechanical Logs (1 full set req'd)
 2. Geologic Report
 3. DST Report
 4. Directional Survey
 5. Sundry Notice for plugging and cement verification
 6. Core Analysis
 7. Other:

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Carla Christian Title Regulatory Specialist
 Signature Carla Christian Date May 7, 2003

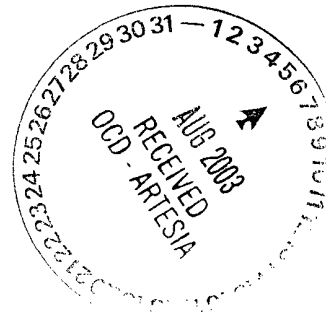
Under Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

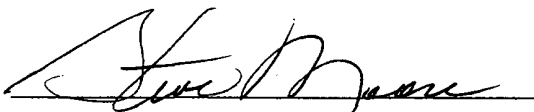
OPERATOR: DOMINION EXPLORATION
WELL/LEASE: ANDALUCIA 11 FED. COM. 1
COUNTY: EDDY

507-0081

STATE OF NEW MEXICO
DEVIATION REPORT

101	1/2
300	1/4
466	1/2
741	3/4
1,045	3/4
1,326	1/4
1,712	1/4
2,006	1/4
2,508	1/2
2,978	3/4
3,447	3/4
3,916	1 1/4
4,231	1
4,513	1 1/4
4,952	1
5,452	1
5,927	1 1/2
6,049	1 1/4
6,457	1 1/4
6,927	1 3/4
7,084	1 1/2
7,241	2
7,399	2
7,587	2
7,773	2
8,043	1 1/2
8,482	1 1/2
8,750	2 1/2



By: 

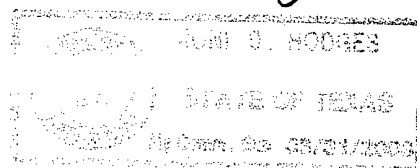
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 23rd day of January, 2003, by Steve Moore on behalf of Patterson-UTL Drilling Company LP, LLLP.


Notary Public for Midland County, Texas

My Commission Expires: 3/31/2003



Drilled Sidewall Core Analysis Report

Company : Dominion Expl. & Prod., Inc.
 File No. : 03077
 Well : Andalucia "11" Fed. Com #1
 Location : 660' FNL & 1650' FWL, Sec 11, T20S, R23E

Field: Cass ranch
 Formation:
 County : Eddy County, New Mexico

Sample	Depth	Air	Porosity	Grain	Sw	So	Gas	Fluorescence	Sample Description
Number		Permeability		Density			Units		
	ft	mD	%	g/cc	%	%		%	Description
1	6,763.0	0.007	6.2	2.73	45.0	0.0	500+	0	Ss:grn vf-mg prly srt sbang sm calc sm pyr sl sh
2	6,765.0	0.006	5.0	2.68	57.5	0.0	500+	0	Sh/Ss:vdkgry f-mg prly srt sbang pyr
3	6,817.0	0.021	6.6	2.74	62.8	0.0	233	0	Ss:grn-gry vf-mg prly srt sbang sm calc styl
4	6,819.0	0.023	6.8	2.76	57.5	0.0	291	0	Ss:grn-gry vf-mg prly srt sbang sl calc styl
5	6,823.0	0.008	5.6	2.82	55.2	0.0	443	0	Ss:grn-gry vf-mg prly srt sbang sm calc styl
6	6,830.0	0.008	7.0	2.92	50.8	0.0	334	0	Ss:grn-gry vf-mg prly srt ang sm calc styl sl pyr
7	6,836.0	0.053	7.1	2.71	56.4	0.0	267	0	Ss:ltgry f-cg prly srt ang sl calc styl
8	6,836.0	tbfa	7.5	2.69	56.4	0.0	233	0	Ss:ltgry vf-mg prly srt ang sl calc
9	7,025.0	0.033	6.2	2.75	66.1	0.0	47	0	Ark/Ss:grn-gry vcg prly srt ang orthoclase biotite sm calc
10	7,028.0	0.039	5.8	2.73	61.7	0.0	66	0	Ark/Ss:grn-gry vcg prly srt ang orthoclase styl sl mica
11	7,056.5	0.078	9.6	2.73	65.3	0.0	115	0	Ss:ltgrn-gry vf-mg prly srt ang sl calc styl
12	7,058.0	0.569	9.4	2.76	72.6	0.0	120	0	Ss:ltgry vf-cg prly srt ang styl sl calc sl sh sm pyr
13	7,337.0	0.048	9.5	2.71	62.5	0.0	62	0	Ss:ltgry vf-cg prly srt ang styl sl calc
14	7,338.0	0.071	9.9	2.70	60.3	0.0	105	0	Ss:ltgry vf-cg prly srt ang sm calc styl sl pyr

Note: 500+ gas reading represents a saturated detector filament

1% CH4 in air = 100 gas units