

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. Rsvr.
Other _____

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

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

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

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

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)

23. Casing and Liner Record (Report all string set in well)

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'	

24. Tubing Record

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'						

25. Producing Intervals

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)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

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 FF.

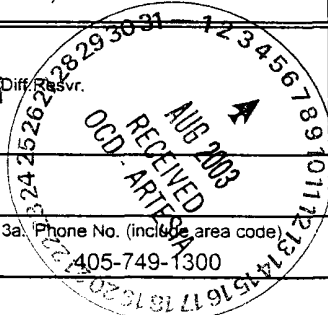
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/29/03	05/06/03	24	→	0	76	6			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	291		→	0	76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

28a. Production - Interval B

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)

CONFIDENTIAL



ACCEPTED FOR RECORD

MAY 12 2003

ALEXIS C. SWOBODA
PETEROLEUM ENGINEER

28b Production - Interval C

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	

28c Production - Interval D

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	

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

Sold

30. 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
Tubb	3,110				
Abo	3,695				
Wolfcamp	4,857				
Cisco	6,320				
Strawn	7,768				
Atoka Clastics	8,046				
Morrow Clastics	8,391				
Lower Morrow	8,434				
Chester	8,593				

32. Additional remarks (include plugging procedure)

33. 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:

34. 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 ChristianTitle Regulatory Specialist

Signature

Carla ChristianDate May 7, 2003

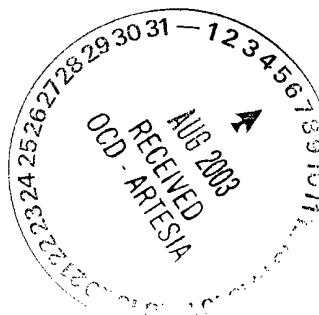
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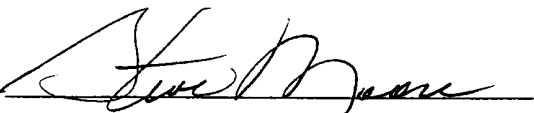
OPERATOR: DOMINION EXPLORATION
WELL/LEASE: ANDALUCIA 11 FED. COM. 1
COUNTY: EDDY

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: 

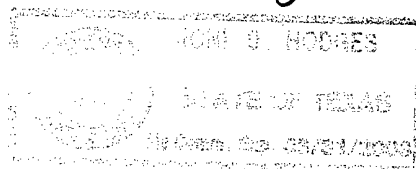
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 23rd day of January, 2003, by Steve Moore on behalf of Patterson-UTI 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% C114 in air = 100 gas units