Form 3160-4 (August,1990)

Oil Cons. N.M. DIV-Dist. 2 UNITED STATES

DEPARTMENT OF THE INTERIOR' N.M. DIV-Dist. 2

BUREAU OF LAND MANAGEMENT 301 W. Grand Avenue
WELL COMPLETION OR RECOMPLETION REPORT AND 88210

Artesia, N.M. 88210

FORM APPROVED OMB NO. 1004-0137

Expires: November 30, 2000

5. Lease Serial No.

NMNM-108942

			··•·				21	1		11	14114141	100072		
1a. Type of Well Oil Well X Gas Well Dry Other b. Type of Completion: X New Well Work Over Deepen Diff Resvr.									6. If Indian, Allottee or Tribe Name					
b. Type of	Completion:	X New Wei	Work C	over [Deepen	Diff.Resvr.	_	٠,	5/[
		Other				5262	38 Mg	, #	89	7. Unit or CA A	Agreeme	nt Name an	d No.	
2. Name of Operator										8. Lease Name and Well No.				
Domir	ion Oklahon	na Texas E	ploration & P	roduction, Ir	ic.		<u> </u>)	<u>, - 1</u>			" Federa	I Com 1	
3. Address	14000 Quail Springs Parkway - Ste. 600 - Okla. City, OK 73134 405-749-1300 30-015-32462													
4. Location of Well (Report location clearly and in accordance with Federal requirements)*											ool, or Ex	ploratory		
At surface												anch; Mo	rrow	
At top grad, Interval reported below										 Sec., T.,R.,I Survey or A 				
At top prod. Interval reported below UL C, 660' FNL & 1850' FWL										12. County or P		11-20S		
At total		,		_					1	_ ′		13. 30		
14. Date Sp	nudded	15 Date	ſ.D. Reached	16. Da	ite Completed				-+	Eddy 17. Elevations (DE RKB	RT. GL)*	NM	
12/2		76. 56.6	01/16/03	175.50						4024' GL				
					D&A	Ready to	orod. 0	4/29/03			4024	i GL		
18. Total De	•	8,750'	19. Plug Back		6,965'	20.	Depth Bridg	e Plug Set:		MD				
	TVD			TVD						TVD				
21. Type El		_	Run (Submit cop	•		22. Wa	as well cored?	` _	No	X Yes	Sul	bmit analysi	is)	
		•	onic, Azimuth	_		Wa	as DST run?	X	No.	Yes	Sul	bmit report)		
			ctor Litho-Der	nsity	. ,	Dir	ectional Surv	ey?		X No	Yes	(Submit	сору)	
23. Casing	and Liner Recor	d (Report all st	ring set in well)		Stage Cement	oc N-	of Clas 9	Cl						
Hole Size	Size/Grade	Wt.(#/ft)	Top (MD)	Bottom (MD)	Depth		No. of Sks & Slurry Type of Cement (BE			Cement Top	ement Top* Amount Pulled		Pulled	
17 1/2"	13 3/8"	48#	Surface	298'		840 \$				Surface				
11" 8 5/8" 32#			Surface	1,712' 7,745'			650 Sx 1,605' Sx			Surface				
7 7/8"	5 1/2"	17#	Surface	1,145		1,000) 3x			2610'				
										·····				
24. Tubing Size	Record Depth Set (MD) Pa	ker Depth (MD)	Size	Depth Set (MI	D) Paci	er Depth (MC	3) (Size	Depth Se	#/MD\	Packer	Depth (MD)	
2 3/8"		6,68		5.25	3050.00.	7 33	to: O opin (mi	-	<u> </u>	осран ос	,t(1 0 7	, delter e	ocpar (IVID)	
25. Produci				,	26. Perforation						,			
A) Cisco	Formation		Тор	Bottom	7054' - 7063		Size		No. Holes	No. Holes Perf. Status 2 spf * Closed				
A) Cisco B) Cisco						7054' - 7062', 7334' - 7342' 6814' - 6838'			_	2 spi		Open		
C)									AU	CEPTED	FOR		RD	
D)														
	0 7,000' w/3	5' of cement												
F) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									MAY 1 2 2003					
	Depth Interval						unt and Type	of Material						
7,054' - 7, 6,814' - 6,					al 20% gelled ac					ALEXIS C. SWOBODA				
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							0/40 Otto	wa: 1						
				<u> </u>			<u> </u>							
Date First	Test	Hours	Test	[Oil Ga	s Wat		Oil Gravity	Gas		Production M	=			
Produced	Date	Tested	Production	BBL M			Corr. API	Gravity		a roduction w	etriog			
04/29/0	3 05/06/0	3 24	_	0	76	6					Fie	owing		
Choke Size	Tbg.Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil Ga BBL MI			Gas:Oil Ratio	Well St	atus			· <u> </u>		
64	sı 29·	ł		0	76	6	1.4.10			Ď	.duaina	•		
	duction - Interva			1 0 1	10	· ·	1			Pro	oducing	3		
Date First Produced	Test Date	Hours	Test	Oil Ga			Oil Gravity Gas Corr. API Gravi			Production Method				
Frouucea	Date	Tested	Production	BBL M	CF BBL		Corr. API							
Choke	oke Tbg.Press. Csg. 24 Hr. Oil Gas Water Gas:Oil					Well St	atus							
Size	Fiwg.	Press.	Rate				Ratio							
76- :		l	<u></u> →				<u> </u>							
(See Instruc	cuons and space	es for additional	data on reverse s	side)										

205 0	-stine leton										
28b Produ Date First	Test	arc	Hours	Test	Oii	Gas	Water	Oil Gravity	Gas	Production Method	
Produced	Date		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
			1				į				
			0	24.11	100		10/	Gas:Oil	MACHI CIANA		
Choke Size	Tbg.Pres Flwg.	5.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Ratio	Well Status		
Size	Si Si						000	1			
			l.,		<u> </u>						
	uction - Interv	al D			·			12	·····	1=	
Date First	Test		Hours	Test	Oil	Gas MCF	Water B8L	Oil Gravity Corr. API	l l	Production Method	
Produced	Date		Tested	Production	BBL	Micr	1000	COII. AF	Gravity		
					1		i				
Choke	Tbg.Pres	ss.	Csg.	24 Hr.	Oil	Gas	Water	Gas:Oil	Well Status		
Size Flwg.			Press.	Rate	BBL	MCF	88L	Ratio			
	3"		1	→		į	İ		ļ		
29. Dispostio	on of Gas /	Sold us	ed for fuel ve	ented etc.)					· · · · · · · · · · · · · · · · · · ·		
25. 013000110	011 01 000 (1	30.0, 00	33 101 1301, 10								
	So	ld									
30. Summar	ry of Porous	Zones	(Include Aqui	fers):				31. F	ormation (Log) Marke	ers	
		,					() -4-31 -4	ĺ			
						intervals and al	ıı anıı-stem nut-in pressures				
and reco			ar (C3(C4, C43	mon asea, ame	tool open	i, norming and si	nat in producto	;			
Forma	ation] т	op o	Bottom	Descritpion, Contents, etc.				Name	Ļ	Тор
					2 553 Kp.or., 55 Konto, 616.						Meas. Depth
Tubb		3,110			1			-		İ	
Abo		3,695	5					l			
Wolfcamp	р	4,857	,							1	
Cisco		6,320						1		1	
Strawn		7,768	E					1			
										1	
Atoka Cla		8,046						ļ			
Morrow C		8,391									
Lower Mo	orrow	8,434	,		1						
Chester		8,593	3		į			ł			
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		<u> </u>									
22 Addition	ai romadia	(inaluda	aluacina ara	andura)							
32. Additiona	iai ieiliaiks	(include	bindding bio	cedure)							
				`							
			 	· · · · · · · · · · · · · · · · · · ·							
33. Circle er	nclosed atta	chment	s:								
[T] Cin-	etricai/Mach	adical !	ogs (1 full se	regid)	2	Coologie Po	· · · · · ·	DST Report	A Classedinin	al Cuarau	•
Eiec	uncal/iviech	amcai L	ogs (Fiuii se	requ)	2.	Geologic Repo	on 3	. UST Report	4. Directions	ai Survey	
5, Sun	dry Notice f	or plugg	jing and cem	ent verification	6.	Core Analysis	7	: Other:			
34. I hereby	certify that	the fore	going and att	ached informat	ion is com	noiete and corre	ct as determined	from all availa	able records (see atta	ched instructions)*	
,	,		3. 3						, ,		
											1
Name (p	please print)	Carla Ch	ristian				Title	Regulatory Spec	ialist	
		`	<u>a</u> (1	+-						
Signatur	re ((in	la 1	Mw.	lia.	\sim		Date	May 7, 2003		
Giginatui		<u> </u>	· \	<u></u>	<u> </u>	· · ·					
				·····	·						
Title 18 LLS	C Section	1001 эг	nd Title 43 III	S.C. Section 13	12 make	it a crime for as	ny nerson kaosii	ngly and willfull	y to make to any depa	ortment or occord = 4	the United States
any false, fic	ctitious or fra	adulent	statements of	representation	is as to an	ny matter within	its jurisdiction.	ngry and willul	y to make to any depa	arment of agency of	me Office States
						-					
					-						4 U.S. GPO: 1999-573-624

OPERATOR:

DOMINION EXPLORATION

WELL/LEASE:

ANDALUCIA 11 FED. COM. 1

COUNTY:

EDDY

507-0081

STATE OF NEW MEXICO DEVIATION REPORT

	0217,1110	
		4
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	232425262526252625262526252625262526252625
6,049	1 1/4	232425-6-12-000 PARTED
6,457	1 1/4	0873 A
6,927	1 3/4	\\(\sqrt{\sqrt{\gamma}}\)
7,084	1 1/2	23242526 232426 23242 232426 232426 23242 2324 23242 2324 23242 23242 2324
7,241	2	25 20 25
7,399	2 2 2 2	4 2 2 C
7,587	2	\E \(\gamma_{\infty}\)
7,773	2	
8,043	1 1/2	
8,482	1 1/2	Section 19
8,750	2 1/2	

By: Sive Doore

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.

My Commission Expires: 3/31/2003

Notary Public for Midland County, Texas

NAME OF TEXAS

Drilled Sidewall Core Analysis Report

Company:

Dominion Expl. & Prod., Inc.

Andalucia "11" Fed. Com #1

Field:

Cass ranch

File No. : Well : 03077

Form

Formation: County:

Eddy County, New Mexico

Location:

660' FNL & 1650' FWL, Sec 11, T20S, R23E

Sample	Depth	Air	Porosity	Grain	Sw	So	Gas	Fluore	scence	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		Ssigry vf-mg prly srt sbang sm calc sm pyr st 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 sit sbang slicate 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 sit ang oithoclase styl slimica
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		Ssittgry vf-cg prly srt ang styl si calc
14	7,338.0	0.071	9.9	2.70	60.3	0.0	105	0	.s.	Ss:ltgry vf-cq prly srt ang sm calc styl st pyr

Note: 500+ gas reading represents a saturated detector filament

^{1%} CH4 in air = 100 gas units