

Stogner, Michael

From: Arrant, Bryan
Sent: Wednesday, July 21, 2004 8:17 AM
To: 'linda.guthrie@devon.com'
Cc: Gum, Tim; Stogner, Michael; Fesmire, Mark
Subject: Devon's Old Ranch Canyon '7' # 4-Non-Compliance



Letterhead4.doc



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

July 21, 2004

Devon Energy Production Company, L.P.

20 North Broadway, Suite 1500

Oklahoma City, OK 73102

Attn: Linda Guthrie, Regulatory Specialist

**RE: Old Ranch Canyon '7' #4, located in Section 7 of Township 22 South, Range 24 East.
Surface location: 1599' FSL and 1248' FWL in Eddy County, New Mexico**

Dear Ms. Guthrie,

This letter is to inform and remind you that the above noted well, located on Federal minerals, has been in non-compliance with the New Mexico Oil Conservation Division's Rules and Regulations. Regulatory reports show that the directionally drilled re-completion to the Upper Pennsylvanian formation was completed on 10/18/2003. Our office has just received this information on 7/19/2004. Please refer to NMOCD Rule 1105.A concerning submitting well data. As you can see, the compliance for this particular rule is over 8 to 9 months late. I have provided a copy of this rule for your convenience.

In addition, I see that your company plans to re-complete this well to a non standard location to the Bone Spring formation. Please note that until an approved NSL is issued, this well cannot be produced as a Bone Spring oil well. As always, please feel free to call if you have any questions on this or other matters.

Respectfully yours,

Bryan G. Arrant

PES

19.15.13.1105 WELL
COMPLETION OR RECOMPLETION
REPORT AND LOG (Form C-105):

A. Within 20 days following the completion or recompletion of any well, the operator shall file form C-105 with the division. It must be filed in quintuplicate and each copy accompanied by a summary of all special tests conducted on the well, including drill stem tests. In addition, one copy of all electrical and radio-activity logs run on the well must be filed with form C-105. If the form C-105 with attached log(s) and summaries is not received by the division within the specified 20-day period, the allowable for the well will be withheld until this rule has been complied with.

E-Mail: Mark Fesmire, Division Director-Santa Fe
Tim Gum, District Supervisor-Artesia
Michael Stogner, Chief Hearing Examiner- Santa Fe

Sec : 07 Twp : 22S Rng : 24E Section Type : NORMAL

1 34.44 Federal owned A	C 40.00 Federal owned A	B 40.00 Federal owned A C	A 40.00 Federal owned
2 34.42 Federal owned A	F 40.00 Federal owned A A A A	G 40.00 Federal owned	H 40.00 Federal owned C A
3 34.42 Federal owned	K 40.00 Federal owned	J 40.00 Federal owned	I 40.00 Federal owned
4 34.40 Federal owned	N 40.00 Federal owned	O 40.00 Federal owned	P 40.00 Federal owned

CMD : ONGARD 09/03/04 10:54:50
 OG6CLOG C105-WELL COMPLETION OR RECOMP CASING LOG OGOMES -TPEJ

OGRID Identifier : 6137 DEVON ENERGY PRODUCTION COMPANY, LP
 Prop Identifier : 30646 OLD RANCH CANYON 7 FEDERAL Well No : 004
 API Well Identifier : 30 15 31151
 Surface Locn - UL : 1 Sec : 7 Twp : 22S Range : 24E Lot Idn :
 Multiple comp (S/M/C) : S TVD Depth (Feet) : 8650 MVD Depth (Feet) : 8650
 Spud Date : 05-01-2000 P/A Date :
 Casing/Linear Record:

S Size	Grade Weight	Depth(ft)	Depth(ft)	Hole Size	Cement	----	TOC	----
(inches)	(lb/ft)	Top-Liner	Bot-Liner	(inches)	(Sacks)	(feet)	Code	
9.625	36.0	9999.0	1622.0	12.250	1225	9999	C	
7.000	26.0	0.0	8648.0	8.750	500	5300	C	

E0009: Enter data to modify record

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

CMD : ONGARD 09/03/04 10:54:57
 OG6IWCN INQUIRE WELL COMPLETIONS OGOMES -TPEJ

API Well No : 30 15 31151 Eff Date : 09-19-2003 WC Status : A
 Pool Idn : 33685 INDIAN BASIN;UPPER PENN (ASSOC)
 OGRID Idn : 6137 DEVON ENERGY PRODUCTION COMPANY, LP
 Prop Idn : 30646 OLD RANCH CANYON 7 FEDERAL

Well No : 004
 GL Elevation: 3996

U/L Sec Township Range North/South East/West Prop/Act (P/A)

 B.H. Locn : K 7 22S 24E FTG 2096 F S FTG 2042 F W P
 Lot Identifier:
 Dedicated Acre: 297.68
 Lease Type : F
 Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll
 PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06
 PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

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Oil Conservation Division

July 21, 2004

Devon Energy Production Company, L.P.

20 North Broadway, Suite 1500

Oklahoma City, OK 73102

Attn: Linda Guthrie, Regulatory Specialist

**RE: Old Ranch Canyon '7' #4, located in Section 7 of Township 22 South, Range 24 East.
Surface location: 1599' FSL and 1248' FWL in Eddy County, New Mexico**

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Bryan G. Arrant

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E-Mail: Mark Fesmire, Division Director-Santa Fe
Tim Gum, District Supervisor-Artesia
Michael Stogner, Chief Hearing Examiner- Santa Fe

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 & Natural Resources

Form C-104
Revised June 10, 2003

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

Submit to Appropriate District Office
5 Copies

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Devon Energy Production Company, LP 20 N. Broadway, Suite 1500 OKC, OK 73102		Robert Elliott Operations Engr Advisor 405-228-8609	² OGRID Number 6137
⁴ API Number 30 -015-31151		⁵ Pool Name Indian Basin (Upper Penn) Assoc.	⁶ Pool Code 33685
⁷ Property Code 16775	⁸ Property Name Old Ranch Canyon "7" Federal		⁹ Well Number 4

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	7	22S	24E		1599'	NORTH	1248'	WEST	EDDY, NM

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	7	22S	24E		2096'	SOUTH	2042'	WEST	EDDY, NM
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 10/18/2003		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
000734	BP Pipeline (N. America) Inc. 502 NW Avenue Levelland TX 79336	2811465	O	960' FSL & 1980' FWL Sec. N-8-22S-24E Eddy, NM (LACT unit)
14035	Marathon Oil Co. PO Box 552 Midland, TX 79702	2828724	G	660' FNL & 1980' FEL Sec. B-7-22S-24E Eddy, NM (compressor site)
				RECEIVED JUL 19 2004

IV. Produced Water

²³ POD 2811512	²⁴ POD ULSTR Location and Description 960' FSL & 1980' FWL Sec. N-8-22S-24E, Eddy, NM
-------------------------------------	--

V. Well Completion Data

²⁵ Spud Date 5/1/00	²⁶ Ready Date 8-9-03 to 10-18-03	²⁷ TD TVD MD 10,400' 9885'	²⁸ PBTDTV MD 8460' 8056'	²⁹ Perforations 8061-8304'	³⁰ DHC, MC
³¹ Hole Size 12 1/4"	³² Casing & Tubing Size 9 5/8" 36# K-55	³³ Depth Set 1622'	³⁴ Sacks Cement 785 sx; TOC surf		
8 3/4"	7" 23# K-55/HCL-80	8488'	600 sx; TOC 5410'		
	2 7/8" 6.5# L-80	SUB PUMP 8343' EOM			

VI. Well Test Data

³⁵ Date New Oil N/A	³⁶ Gas Delivery Date 10/18/2003	³⁷ Test Date 10/24/2003	³⁸ Test Length 24 hrs	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
⁴¹ Choke Size 0 BOPD	⁴² Oil	⁴³ Water 316 BWPD	⁴⁴ Gas 588 MCFGD	⁴⁵ AOF	⁴⁶ Test Method pumping

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Candace R. Graham</i>		OIL CONSERVATION DIVISION <i>Jim W. Brown</i> Approved by:	
Printed name: Candace R. Graham X4520		Title: <i>District Supervisor</i>	
Title: Operations Tech. II		Approval Date:	
E-mail Address: candl.graham@dmn.com			
Date: 07/08/2004	Phone: (405)235-3611		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry Other		6. If Indian, Allottee or Tribe Name N/A	
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other <u>sidetrack</u>		7. Unit or CA Agreement Name and no. N/A	
2. Name of Operator Devon Energy Production Company, LP		8. Lease Name and Well No. Old Ranch Canyon 7 Fed 4	
3. Address 20 N. Broadway, suite 1500, OKC, OK 73102		9. API Well No. 30-015-31151	
3.a Phone No. (Include area code) (405)228-8609		10. Field and Pool, or Exploratory Indian Basin (Upper Penn) Assoc.	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 1599' FNL & 1248' FWL, Unit E, Section 7-T22S-R24E At top prod. interval reported below 2127' FSL & 2035' FWL, Unit K, Section 7-T22S-R24E At total depth 2096' FSL & 2042' FWL, Unit K, Section 7-T22S-R24E			
14. Date Spudded ST 05/01/2000 8/9/2003	15. Date T.D. Reached 09/18/2003	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/18/2003	
17. Elevations (DF, RKB, RT, GL)* GL 3996', DF 4012', KB 4013'		12. County or Parish Eddy Cnty.	
13. State New Mexico			

18. Total Depth: MD 10,400' TVD 9885'	19. Plug Back T.D.: MD 8460' TVD 8056'	20. Depth Bridge Plug Set: MD 8475' CIBP TVD
21. Type of Electric & Other Mechanical Logs Run (Submit copy of each) Platform Express Three Detector Litho-Density Compensated Neutron/NGT, High Resolution Laterolog Array/NGT and CBL		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8" K55	36	surface	1622'		See item 32		surface	
8 3/4"	7" HCL80 & J55	23	surface	8488'	7874'	Item 32		5410'	RECEIVED
									JUL 21 2004
									ARTEZIA

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 7/8" L80 6.5# @ 8334'									

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) Upper Penn	8061'	8304'	8061-8304'		290	Producing	
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.		Amount and Type of Material	
Depth Interval			
8061-8304'	acidized with 30,000 gals 20% NeFe + 280 BS		

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10-18-03	10/24/03	24	→	0	588	316			ESP TD1750 pumps
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	0	588	316		Producing	

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)

DEPCO: Old Ranch Canyon 7, Fed 4, Sec 7-T22S-R24E, Eddy, NM API 30-015-31151

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	
			→					Producing	

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

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or 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	Descriptions, Contents, etc.	Name	Top Meas. Depth
			details to follow at a later date		

32. Additional remarks (include plugging procedure):

In 5/2000 cemented 9 5/8" casing with 100 sx Thixset + 450 sx Hall Lite + 200 sx Class C + topped with 35 sx Class C.
In 9/2003 cemented 7" casing: 1st stage with 140 sx 61/15/11 Poz Lite C with 1.58 cf/sx yield, preceded with 30 bbls TurboFlow III; 2nd stage with 460 sx 60/40 Poz Lite C with 1.33 cf/sx yield, preceded by 10 BW.

33. Circle enclosed attachments:

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

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) Candace R. Graham 405-235-3611 X4520 Title Operations Tech II/ candi.graham@dvn.com

Signature Candace R. Graham Date 07/08/2004

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR:
WELL/LEASE:
COUNTY:

DEVON ENERGY PRODUCTION
OLD RANCH CANYON 7 FED. 4
EDDY

005-0024

STATE OF NEW MEXICO
DEVIATION REPORT

2,729	3.20	6,306	27.70
2,855	5.60	6,370	27.40
3,010	5.20	6,433	27.20
3,104	5.40	6,496	25.40
3,196	5.10	6,559	25.70
3,250	4.90	6,621	25.50
3,354	6.70	6,684	24.50
3,447	6.70	6,778	23.90
3,508	6.60	6,842	23.10
3,602	8.10	6,904	23.80
3,686	9.20	6,974	24.15
3,780	10.80	7,099	23.00
3,882	11.80	7,163	21.60
3,912	11.80	7,226	20.20
4,008	14.20	7,289	18.40
4,077	16.40	7,350	14.80
4,133	18.20	7,413	13.00
4,228	18.50	7,476	11.30
4,291	19.80	7,538	9.80
4,353	20.40	7,601	8.20
4,416	22.00	7,664	7.30
4,477	24.30	7,695	6.10
4,539	25.90	7,727	5.10
4,601	27.00	7,758	4.60
4,663	27.10	7,822	2.90
4,727	27.50	7,884	2.90
4,789	27.90	7,945	2.70
4,852	30.40	8,011	2.80
4,915	31.00	8,074	2.50
4,978	31.70	8,135	2.80
5,105	34.20	8,199	2.60
5,167	33.40	8,262	2.60
5,230	33.10	8,325	2.70
5,294	34.00	8,387	2.40
5,357	34.00	8,488	2.70
5,421	34.60	8,565	2.00
5,584	34.40	8,762	1.00
5,611	33.70	8,981	0.00
5,674	34.60	9,161	1.00
5,737	33.50	9,333	1.50
5,863	33.20	9,524	2.00
5,927	32.40	9,681	2.00
5,990	31.50	9,800	1.50
6,053	30.30	9,970	1.50
6,117	30.20	10,290	2.00
6,180	29.20	10,400	2.00
6,243	28.40		

RECEIVED

JUL 21 2004

OGD-ARTESIA

By: 

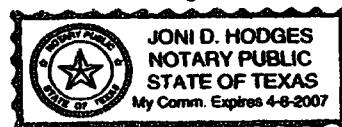
STATE OF TEXAS

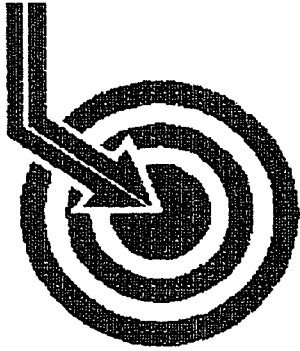
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 10th day of October, 2003, by Steve Moore on behalf of Patterson-UTi Drilling Company LP, LLLP.


Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007





Scientific Drilling

DEVON ENERGY

Field: Indian Basin
Site: Eddy County, NM
Well: Old Ranch Canyon 7 #4
Wellpath: VH - Job #32K1003533
Survey: 10/14/03

RECEIVED

JUL 21 2004

OOB-ARTESIA

This survey is correct to the best of my knowledge
and is supported by actual field data.

[Signature] Company Representative

Notorized this date 16th of December, 2003.

[Signature]
Notary Signature

County of Midland
State of Texas



Scientific Drilling Survey Report

Company: DEVON ENERGY	Date: 12/15/2003	Time: 14:44:38	Page: 1
Field: Indian Basin	Co-ordinate(NE) Reference:	Site: Eddy County, NM, True North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Old Ranch Canyon 7 #4	Section (VS) Reference:	Well (0.00N,0.00E,0.00Azi)	
Wellpath: VH- Job #32K1003533	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Survey: 10/14/03	Start Date: 10/14/2003
Company: Scientific Drilling	Engineer: Cary Coffee
Tool: Keeper, Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.53	167.77	100.0	-0.5	-0.5	0.1	0.53	0.5	167.77
200.0	0.93	118.26	200.0	-1.3	-1.3	0.9	0.71	1.6	144.74
300.0	0.26	138.95	300.0	-1.8	-1.8	1.8	0.69	2.6	136.09
400.0	0.30	158.55	400.0	-2.3	-2.3	2.0	0.10	3.0	138.20
500.0	0.46	94.63	500.0	-2.5	-2.5	2.5	0.42	3.6	135.22
600.0	0.25	85.23	600.0	-2.5	-2.5	3.1	0.22	4.0	129.13
700.0	0.03	107.01	700.0	-2.5	-2.5	3.4	0.22	4.2	126.94
800.0	0.49	211.02	800.0	-2.9	-2.9	3.2	0.50	4.3	132.49
900.0	0.51	283.93	900.0	-3.2	-3.2	2.5	0.59	4.1	141.45
1000.0	0.94	301.38	1000.0	-2.6	-2.6	1.4	0.48	3.0	152.12
1100.0	0.78	339.59	1100.0	-1.6	-1.6	0.5	0.58	1.6	163.77
1200.0	0.24	22.00	1200.0	-0.7	-0.7	0.3	0.62	0.8	158.03
1300.0	0.49	292.35	1300.0	-0.4	-0.4	0.0	0.54	0.4	182.74
1400.0	0.34	9.00	1399.9	0.1	0.1	-0.4	0.53	0.4	281.12
1500.0	0.27	271.24	1499.9	0.4	0.4	-0.6	0.46	0.7	303.64
1600.0	0.34	254.15	1599.9	0.3	0.3	-1.1	0.11	1.1	285.28
1700.0	0.61	225.03	1699.9	-0.2	-0.2	-1.7	0.35	1.7	284.65
1800.0	0.52	224.98	1799.9	-0.9	-0.9	-2.4	0.09	2.6	250.56
1900.0	0.44	201.71	1899.9	-1.5	-1.5	-2.9	0.21	3.3	242.06
2000.0	0.59	191.64	1999.9	-2.4	-2.4	-3.1	0.17	4.0	232.67
2100.0	0.57	242.14	2099.9	-3.1	-3.1	-3.7	0.50	4.8	229.64
2200.0	0.48	196.06	2199.9	-3.8	-3.8	-4.2	0.42	5.7	228.39
2300.0	0.73	246.78	2299.9	-4.4	-4.4	-4.9	0.57	6.6	228.19
2400.0	0.51	242.98	2399.9	-4.9	-4.9	-5.9	0.22	7.7	230.55
2500.0	0.66	194.15	2499.9	-5.6	-5.6	-6.5	0.50	8.6	228.91
2600.0	0.54	192.02	2599.9	-6.7	-6.7	-6.7	0.12	9.4	225.20
2700.0	1.41	169.38	2699.9	-8.3	-8.3	-6.6	0.94	10.6	218.30
2800.0	5.50	159.67	2799.7	-14.0	-14.0	-4.7	4.12	14.8	198.46
2900.0	5.11	157.67	2899.3	-22.6	-22.6	-1.3	0.43	22.7	183.35
3000.0	4.93	160.21	2998.9	-30.8	-30.8	1.8	0.29	30.9	176.62
3100.0	5.31	147.10	3098.5	-38.7	-38.7	5.8	1.23	39.2	171.50
3200.0	4.79	158.34	3198.1	-46.5	-46.5	9.8	1.12	47.5	168.05
3300.0	4.66	158.94	3297.8	-54.2	-54.2	12.8	0.14	55.7	166.66
3400.0	5.42	157.05	3397.4	-62.3	-62.3	16.1	0.78	64.4	165.47
3500.0	6.30	152.18	3496.8	-71.5	-71.5	20.5	1.01	74.4	163.97
3600.0	7.56	148.96	3596.1	-82.0	-82.0	26.5	1.32	86.2	162.09
3700.0	8.77	150.50	3695.1	-94.3	-94.3	33.6	1.23	100.1	160.36
3800.0	10.33	147.51	3793.7	-108.5	-108.5	42.2	1.64	116.4	158.73
3900.0	11.43	148.98	3891.9	-124.5	-124.5	52.1	1.13	135.0	157.28
4000.0	13.65	151.79	3989.5	-143.4	-143.4	62.8	2.30	156.6	156.34
4100.0	15.98	150.74	4086.2	-165.8	-165.8	75.1	2.35	182.1	155.63
4200.0	18.04	150.90	4181.8	-191.4	-191.4	89.4	2.06	211.2	154.96
4300.0	19.07	151.06	4276.6	-219.2	-219.2	104.8	1.03	243.0	154.44
4400.0	20.36	152.12	4370.7	-248.9	-248.9	120.9	1.34	276.7	154.10
4500.0	23.85	152.89	4463.4	-282.3	-282.3	138.2	3.50	314.3	153.91
4600.0	25.86	151.70	4554.1	-319.5	-319.5	157.8	2.07	356.3	153.72
4700.0	26.89	152.78	4643.7	-358.8	-358.8	178.5	1.14	400.7	153.55
4800.0	27.84	153.44	4732.5	-399.8	-399.8	199.2	1.00	446.7	153.51

Scientific Drilling Survey Report

Company: DEVON ENERGY Field: Indian Basin Site: Eddy County, NM Well: Old Ranch Canyon 7 #4 Wellpath: VH - Job #32K1003533	Date: 12/15/2003 Time: 14:44:38 Page: 2 Co-ordinate(N/E) Reference: Site: Eddy County, NM, True North Vertical (TVD) Reference: SITE 0.0 Section (V/S) Reference: Well (0.00N,0.00E,0.00Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
---	--

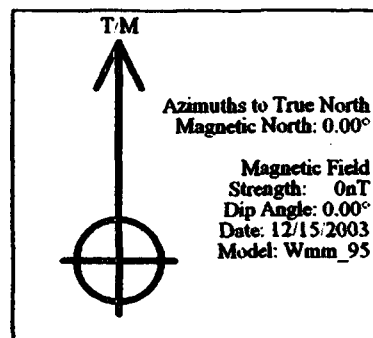
Survey

MD ft	Incl deg	Azimuth deg	TVD ft	V/S ft	N/S ft	E/W ft	DLS deg/100ft	ChD ft	ChA deg
4900.0	29.88	152.56	4820.1	-442.8	-442.8	221.2	2.08	494.9	153.46
5000.0	31.21	152.05	4906.2	-487.8	-487.8	244.8	1.36	545.7	153.35
5100.0	32.58	151.24	4991.1	-534.3	-534.3	269.9	1.44	598.6	153.20
5200.0	33.34	150.17	5075.0	-581.7	-581.7	296.5	0.96	652.9	152.99
5300.0	32.71	149.58	5158.9	-628.8	-628.8	323.9	0.71	707.3	152.75
5400.0	33.54	148.87	5242.6	-675.8	-675.8	351.8	0.92	761.9	152.50
5500.0	34.07	148.06	5325.7	-723.2	-723.2	380.9	0.70	817.4	152.22
5600.0	33.22	148.66	5408.9	-770.4	-770.4	410.0	0.91	872.7	151.98
5700.0	33.89	149.50	5492.3	-817.8	-817.8	438.4	0.82	927.9	151.81
5800.0	32.88	150.29	5575.8	-865.4	-865.4	466.0	1.10	982.9	151.70
5900.0	33.08	150.76	5659.7	-912.8	-912.8	492.8	0.32	1037.3	151.64
6000.0	31.53	153.57	5744.2	-960.0	-960.0	517.8	2.16	1090.7	151.66
6100.0	29.83	156.94	5830.2	-1006.3	-1006.3	539.1	2.42	1141.6	151.82
6200.0	29.30	155.86	5917.2	-1051.5	-1051.5	558.9	0.75	1190.8	152.01
6300.0	27.86	154.85	6005.0	-1095.0	-1095.0	578.8	1.52	1238.6	152.14
6400.0	27.26	154.75	6093.6	-1136.9	-1136.9	598.5	0.60	1284.8	152.23
6500.0	25.97	153.94	6183.0	-1177.3	-1177.3	617.9	1.34	1329.6	152.31
6600.0	25.61	153.36	6273.1	-1216.2	-1216.2	637.2	0.44	1373.1	152.35
6700.0	24.68	153.74	6363.6	-1254.3	-1254.3	656.1	0.94	1415.5	152.38
6800.0	23.48	153.31	6454.9	-1290.8	-1290.8	674.3	1.21	1456.3	152.42
6900.0	23.00	153.20	6546.8	-1326.0	-1326.0	692.1	0.48	1495.8	152.44
7000.0	24.23	159.88	6638.4	-1362.8	-1362.8	708.0	2.94	1535.7	152.55
7100.0	23.37	160.58	6729.9	-1400.7	-1400.7	721.6	0.91	1575.7	152.74
7200.0	21.22	159.81	6822.4	-1436.4	-1436.4	734.5	2.17	1613.3	152.92
7300.0	19.13	159.19	6916.3	-1468.7	-1468.7	746.5	2.10	1647.6	153.06
7400.0	14.68	158.84	7012.0	-1495.9	-1495.9	756.9	4.45	1676.5	153.16
7500.0	11.57	153.79	7109.3	-1516.7	-1516.7	765.9	3.31	1699.1	153.21
7600.0	9.13	150.17	7207.7	-1532.6	-1532.6	774.3	2.52	1717.1	153.20
7700.0	7.47	149.20	7306.6	-1545.1	-1545.1	781.6	1.67	1731.5	153.17
7800.0	4.32	155.39	7406.1	-1554.1	-1554.1	786.5	3.21	1741.7	153.16
7900.0	2.95	167.25	7505.9	-1560.0	-1560.0	788.6	1.56	1748.0	153.18
8000.0	2.73	170.28	7605.8	-1564.9	-1564.9	789.6	0.27	1752.8	153.23
8100.0	2.56	167.49	7705.7	-1569.4	-1569.4	790.5	0.21	1757.2	153.27
8200.0	2.38	174.27	7805.6	-1573.6	-1573.6	791.2	0.34	1761.3	153.31
8300.0	2.62	168.51	7905.5	-1577.9	-1577.9	791.8	0.35	1765.5	153.35
8400.0	2.88	162.97	8005.4	-1582.6	-1582.6	793.0	0.37	1770.1	153.38
8450.0	2.44	176.39	8055.3	-1584.8	-1584.8	793.5	1.52	1772.4	153.41

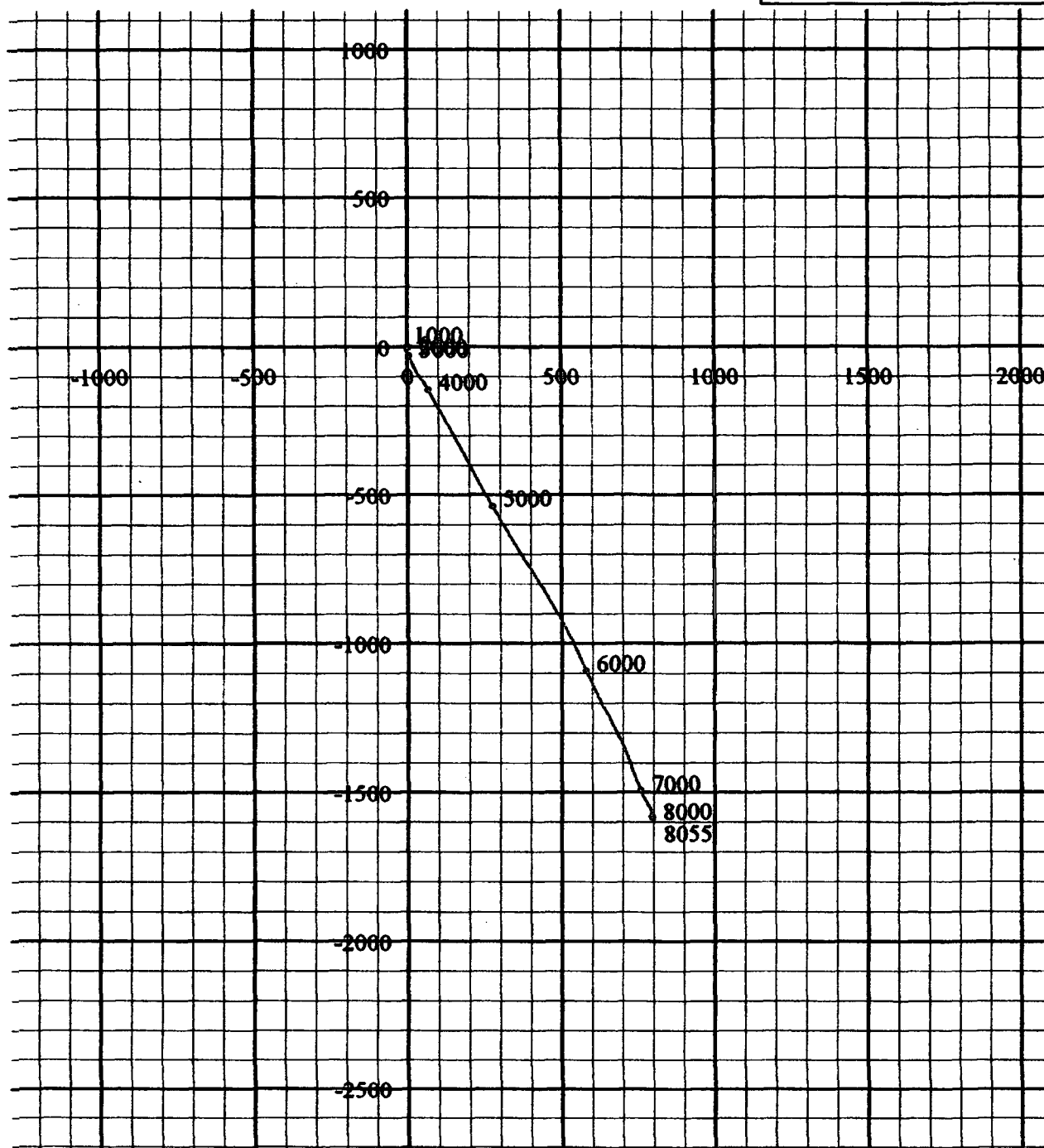


**Scientific
Drilling**

Field: Indian Basin
Site: Eddy County, NM
Well: Old Ranch Canyon 7 #4
Wellpath: VH - Job #32K1003533
Survey: 10/14/03



South(-)/North(+) [200ft/in]



West(-)/East(+) [200ft/in]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

1301 W. Grand Avenue

Artesia, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

RECEIVED

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Devon Energy Production Company, LP

Robert Elliott

Operations Engr Advisor

3a. Address

20 N. Broadway, Suite 1500, OKC, OK 73102

3b. Phone No. (include area code)

(405)228-8609

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 1599' FNL & 1248' FWL, Unit E, Section 7-T22S-R24E, Eddy Cnty, NM
BHL: 2096' FSL & 2042' FWL, Unit K, Section 7-T22S-R24E, Eddy Cnty, NM

5. Lease Serial No.

SHL & BHL: NM-NM81219

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

N/A

8. Well Name and No.

Old Ranch Canyon "7" Federal #4

9. API Well No.

30-015-31151

10. Field and Pool, or Exploratory Area

Indian Basin (Upper Penn) Assoc.

11. County or Parish, State

Eddy County

New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>added perms</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

11-19-2003 thru 11-25-2003 Killed well with 150 bbls lease water. ND wellhead, NU BOP. TOH with tubing, pumps and motor. Ran and set Weatherford RBP at 8000'.

Perf'd with 2 SPF at 7823-7867' with 90 holes (.42" EHD). TIH with Weatherford HD packer on 2 7/8" tubing. Set packer at 7550'. Loaded annulus, press'd to 500 psi.

Acidized perms 7823-7867' down tubing with 8800 gals 20% HCl + 89 BS + 2520 gals fresh water flush; ATP 5200 psi, AIR 24 BPM; ISIP 1987 psi, 15 mins 1869 psi. Ran tandem elec quartz gauges to 7845'; IBHP 4894 psi, FBHP 4886 psi. Swab tested. TOH with tubing, packer and RBP.

Ran ESP motor, 2- 4 1/2" TD460 pumps and 261 jts 2 7/8" tubing; motor at 8339', end of tubing at 8270'. Resumed pumping.

14. I hereby certify that the foregoing is true and correct		ACCEPTED FOR RECORD	
Name (Printed/Typed)	Title	Date	
Candace R. Graham 405/235-3611 X4520	Operations Tech. II / candi.graham@devon.com	07/08/2004	
Signature <u>Candace R. Graham</u>	Date	07/08/2004	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved by		Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office	

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Devon Energy Production Company, LP

3a. Address
20 N. Broadway, Suite 1500, OKC, OK 73102

3b. Phone No. (include area code)
(405)228-8609

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 1599' FNL & 1248' FWL, Unit E, Section 7-T22S-R24E, Eddy Cnty, NM
*BHL: 2096' FSL & 2042' FWL, Unit K, Section 7-T22S-R24E, Eddy Cnty, NM

5. Lease Serial No.
SHL & BHL: NM-NM81219

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
Old Ranch Canyon "7" Federal #4

9. API Well No.
30-015-31151

10. Field and Pool, or Exploratory Area
Indian Basin (Upper Penn) Assoc.

11. County or Parish, State
Eddy County
New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

*BHL recalculated after sidetracking

10-14-2003 thru 10-18-2003 Ran bit and scraper on 2 7/8" tubing thru DV tool at 7874' and to PBDT 8460'. RU BJ Srvs and pumped Mr. Clean job of 4 bbls xylene + 5 bbls 2% KCl + 500 gals 7 1/2% HCl. Circ'd hole clean. RU Schlumberger and ran CBL log which showed the TOC at approx 5410'. Ran gyro survey.

Perf'd with 2 SPF as follows: 8061-8071' with 22 holes, 8077-8091' with 30 holes, 8094-8112 with 38 holes, 8127-8134' with 16 holes, 8141-8144' with 8 holes, 8156-8161' with 12 holes, 8170-8187 with 36 holes, 8206-8220 with 30 holes, 8236-8268 with 66 holes, and 8289-8304' with 32 holes; total 290 holes (.42" EHD). Ran and set packer at 7950'.

Acidized perfs 8061-8304' down tubing with 30,000 gals 20% NeFe + 280 BS; AIR 20 BPM, ATP 3700 psi; ISIP 0 psi. Ran packer thru perfs. TOH with tubing and packer.

Ran ESP motor, 4- 4 1/2" TD1750 pumps and 263 jts 2 7/8" tubing; motor at 8343'. Began pump testing.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
Candace R. Graham 405/235-3611 X4520

Signature
Candace R. Graham

Title
Operations Tech. II / candi.graham@dm.com

Date
07/07/2004

ACCEPTED FOR RECORD
JUL 20 2004

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office _____

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM81219	
2. Name of Operator DEVON ENERGY PRODUCTION CO L P		6. If Indian, Allottee or Tribe Name	
3a. Address 20 NORTH BROADWAY SUITE 1500 OKLAHOMA CITY, OK 73102		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 405.228.8209 Fx: 405.552.4621		8. Well Name and No. OLD RANCH CANYON 7 FED 4	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T22S R24E SWNW 1599FNL 1248FWL		9. API Well No. 30-015-31151-00-S1	
		10. Field and Pool, or Exploratory INDIAN BASIN	
		11. County or Parish, and State EDDY COUNTY, NM	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company, LP respectfully requests permission to recompleate from the Cisco to the Bone Springs formation as follows:

MIRU. Set a 7" 23# CIBP @ 7800'. Load hole and pressure test csg.
RIH & perforate squeeze holes from 3250'-3252'. RIH w/7" retainer, set @ 3200'+/-.
Pump cmt down tbg and out annulus. TOC @ 1000'+/-.
RIHw/perf gun, perf Bone Springs from 3021'-3032' and 3064'-3084' and stimulate perforated zone as necessary.
Turn well to test.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #32906 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO L P, sent to the Carlsbad Committed to AFMSS for processing by ARMANDO LOPEZ on 07/12/2004 (04AL0259SE)	
Name (Printed/Typed) LINDA GUTHRIE	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 07/09/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By LES BABYAK	Title PETROLEUM ENGINEER	Date 07/12/2004
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

30-015-31151-00-00

OLD RANCH CANYON 7 FEDERAL

No. 004

Company Name: DEVON ENERGY PRODUCTION COMPANY, LP

Location: Sec: 7 T: 22S R: 24E Spot:

Lat/Long: Lat: 0 Long: 0

Property Name: OLD RANCH CANYON 7 FEDER

County Name: Eddy

String Information

String	Bottom (ft sub)	Diameter (Inches)	Weight (lb/ft)	Length (ft)
HOL1	1622	9.625		
SURF	1622	9.625	36	1622
HOL2	8648	7		
PKR	8468	7		5
PROD	8648	7	26	8648
T1	8463	2.875		8463

Cement from 1622 ft. to surface

Surface: 9.625 in. @ 1622 ft.

Hole: 9.625 in. @ 1622 ft.

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	8648	5300	C	500
SURF	1622	0	C	1225

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
8074	8368			

Formation Information

St Code	Formation	Depth
Pgl	Glorieta	2231
Pbs	Bone Spring	2813
Pbs3sd	3rd Bone Spring Sand	6814
Pwc	Wolfcamp	7290
Ppcan	Canyon	8039

Cement from 8648 ft. to 5300 ft.

Packer: 7 in. @ 8468 ft.

Tubing: 2.875 in. @ 8463 ft.

Production: 7 in. @ 8648 ft.

Hole: 7 in. @ 8648 ft.

TD: 0

TVD: 8650

PSTD:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTN.M. Oil Cons. Div-Dist. 2
1200 W. Grand Avenue
Alamosa NM 88210FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

RECEIVED

OCT 29 2003

OCD-ARTESIA

SUNDRY NOTICES AND REPORTS ON ABANDONED WELLS
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. OLD RANCH CANYON 7 FED 4
2. Name of Operator DEVON ENERGY PRODUCTION CO L P Contact: KAREN COTTOM E-Mail: karen.cottom@devn.com		9. API Well No. 30-015-31151-00-S1
3a. Address 20 NORTH BROADWAY SUITE 1500 OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405.228.7512 Fx: 405.552.4821	10. Field and Pool, or Exploratory INDIAN BASIN
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T22S R24E SWNW 1599FNL 1248FWL		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

9/4/2003 Moved and rigged up rotary tools. Don Early with the BLM was notified.
9/4/2003 Cut-off the old braden head and install a new one.
9/5/2003 Tested stack, manifold, upper & lower kelly valve, and stand pipe to 3000 psi high and 500 psi low. Tested 9 5/8" casing from plug to surface to 500 psi. Retrieved 9 5/8" "C" plug. Jim Amos with BLM was notified, but did not witness the test. Dressed off side track plug from 2617' to 2685' (good cement). Circulated hole clean and unloaded directional tools.
9/6/2003 Slide drilled from 2685' to 2686', atm. to sidetrack the hole.
9/7/2003 Slide drilled from 2686' to 2693'. Attempted to rotate out kick off and went back in the original hole. Drilled from 2693' to 2740'. Restarted kick-off from 2740' to 2755'.
9/8/2003 Slide drilled from 2755' to 2765', finished kicking off plug. Slide and rotary drilled from 2765' to 3264'.
9/9/2003 Slide and rotary drilled with surveys from 3264' to 3485'.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #24104 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO L P, sent to the Carlsbad Committed to AFMS for processing by ARMANDO LOPEZ on 10/09/2003 (04AL0005SE)	
Name (Printed/Typed) KAREN COTTOM	Title ENGINEERING TECHNICIAN
Signature (Electronic Submission)	Date 10/09/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED		LES BABYAK Title PETROLEUM ENGINEER	Date 10/09/2003
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad	

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #24104 that would not fit on the form

32. Additional remarks, continued

9/19/2003 Drilled with surveys from 8173' to 8488' (TD). Lithology: 75% lime and 25% shale BBG = 35 -50 The Base of the Dolomite was at 8360'. Circulated and conditioned the hole clean for logs. Mud: WT- 8.6, VISC - 40, WL - 6.0, Ph - 11

9/21/2003 R/U Schlumberger and ran a Platform Exp., FMI. Logger TD was at 8432'.

9/22/2003 Finished TIH, washed through 74' of fill to TD (8488'). R/U casing tools and ran 3404' of 8484' 7" casing.

9/23/2003 Ran 192 joints of 7" 23# HCL80 & J55 casing. Finished running casing to 8488'. Cemented as follows: Pumped 30 bbls of Turbo Flow III, 140 sacks of Class "C" + add. Plug down and held at 13:45, set ECP, dropped bomb and opened the Stage Tool. Circulated bottoms up and recovered 9 bbls of cement (32 sacks). Pumped second stage: 10 bbls of water, 460 sacks of cement, plug down, Stage Tool close at 16:48.

9/24/2003 Finished N/U 7" stack, tested stack, manifold, and kelly valves to 5000 psi. Don with the BLM was notified but did not witness the test.

9/24/2003 Drilled on the bomb, rubber plug and float collar from 8397' to 8400'. New formation is at 8488'. Mud : 8.9 wt, 28 visc., and a 9 Ph.

9/25/2003 Drilled out shoe and 10' of formation (8498'). Ran FIT to 11ppg EMW.

10/1/2003 Drilled from 10,359' to 10,400' (TD). Lithology: 100% shale BBG = 65-75 u Top of the Barnett was at 10,270'. Circulated and conditioned the hole for logs.

10/2/2003 R/U Schlumberger and ran a Platform Express dated 10/01/2003. Logger TD was at 10,391'. Called Jim Amos with the BLM for plugging directions. TIH with open ended drill pipe to 9585'. R/U BJ Services and cemented as follows: Pumped 50 sacks of Class "H" neat at 9585'. Pulled up to 9295' with the bottom of the drill pipe. Pumped 50 sacks of Class "H" cement neat, 1.18 yield, and 15.6 ppg. R/D BJ Services.

10/3/2003 R/u Rotary wireline, set a 7" CIBP at 8477'. Dump bailed 15' of cement on the plug. Abandoned slim hole as follows: 1st plug at 9585' to 9395' (190') 50 sacks of Class "H". 2nd plug at 9295' to 9105' (190') 50 sacks of Class "H". 3rd plug at 8477' to 8460' (17') 7" CIBP with 15' cement cap. PBTD is at 8460' (8056' TVD). As per Jim Amos with the BLM, 10/01/2003.

10/3/2003 N/D 7" stack, jet and clean working pits. Rig was released at 17:00, 10/02/2003.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM81219	
2. Name of Operator DEVON ENERGY PRODUCTION CO L P		6. If Indian, Allottee or Tribe Name	
3a. Address 20 NORTH BROADWAY SUITE 1500 OKLAHOMA CITY, OK 73102		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 405.228.7512 Fax: 405.552.4681		8. Well Name and No. OLD RANCH CANYON 7 FED 4	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T22S R24E SWNW 1599FNL 1248FWL		9. API Well No. 30-015-31151-00-S1	
		10. Field and Pool, or Exploratory INDIAN BASIN	
		11. County or Parish, and State EDDY COUNTY, NM	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
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13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

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Name (Printed/Typed) KAREN COTTOM	Title ENGINEERING TECHNICIAN
Signature (Electronic Submission)	Date 10/09/2003

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10/3/2003 N/D 7" stack, jet and clean working pits. Rig was released at 17:00, 10/02/2003.

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. Div-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

STANDARD NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Devon Energy Production Company, L.P.

3a. Address
20 N. Broadway, Suite 1500, OKC, OK 73102

3b. Phone No. (include area code)
(405)228-8609

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 1599' FNL & 1248' FWL, Unit E, Section 7-T22S-R24E, Eddy Cnty, NM
BHL: 2310' FSL & 1980' FWL, Unit K, Section 7-T22S-R24E, Eddy Cnty, NM

Robert P. Elliott
Operations Engr Advisor

5. Lease Serial No.
SHL & BHL: NM-NM81219

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
Old Ranch Canyon "7" Federal #4

9. API Well No.
30-015-31151

10. Field and Pool, or Exploratory Area
Indian Basin (Morrow)

11. County or Parish, State
Eddy County
New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>whipstock plug</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>over cut off 7" casing</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

8-9-2003 to 8-18-2003 Killed well with 200 bbls 9 ppg mud. Ran gauge ring and junk basket. Set 7" CIBPs at 8000' and at 5500' with 35 feet of cement on top of each for PBTD 5465'. Press tested casing to 1500 psi. Ran 2 7/8" 6.5# L-80 tubing open ended to 5508'. Pumped in 240 bbls 9 ppg mud; circ'd casing with mud from tubing depth at 5511'. Pumped 50 sx Class C for a 300' balanced cement plug 5309-5009' (yield 1.34 cf at 14.8 ppg). Displaced with 9 ppg mud. Tagged soft fill at 5025', solid at 5120' on cement. TOH with tubing. Loaded casing and press tested to 1500 psi. Attempted to jet cut 7" casing at 5000', but could not get jet cutters below 3200'. Ran mechanical cutter on tubing, made up swivel. Cut 7" casing at 5000'. Could not establish circulation. RU casing jacks and speared casing through BOP's. PU to 300,000# but casing was not free. RIH with jet cutter and cut casing at 3325'. Casing came free. POOH and LD 7" csg.

At this time Devon plans to set a whipstock plug as follows: RIH with tubing to spot cement plug from 3625' to 3225' (300' in and 100' on top of 7" casing stub). Then tag plug and pump 300' open hole kickoff plug from 3225' to 2995'. RD workover rig and wait on drilling rig to sidetrack well for Morrow test.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)
Candace R. Graham 405/235-3611 X4520

Title
Engineering Tech.

Signature

Candace R. Graham

Date
08/18/2003

APPROVED

AUG 19 2003

LES BABYAK
PETROLEUM ENGINEER

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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Office

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(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDY NOTICES AND REPORTS ON WELLS
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SUBMIT IN TRIPPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Devon Energy Production Company, L.P.

3a. Address
20 N. Broadway, Suite 1500, OKC, OK 73102

3b. Phone Number (include area code)
(405)228-8609

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SHL: 1599' FNL & 1248' FWL, Unit E, Section 7-T22S-R24E, Eddy County, NM
BHL: 2310' FSL & 1980' FWL, Unit K, Section 7-T22S-R24E, Eddy County, NM

5. Lease Serial No.
SHL & BHL: NM-NM81219

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
Old Ranch Canyon "7" Federal #4

9. API Well No.
30-015-31151

10. Field and Pool, or Exploratory Area
Indian Basin (Morrow)

11. County or Parish, State
Eddy County
New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other amend intent to
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	deepen
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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At this time Devon request changes in the intent to deepen the Old Ranch Canyon "7" Federal #4 as follows.

1. Top of kick off plug at $\pm 4,700'$ with the 7" casing stub cut at $\pm 5,000'$ (300' in and out plug spotted from 5,300', TOC behind the 7" casing at 5,300'). There will be a CIBP at 5,500' and at 8,000' each capped with 35' of cement. Please see the attached well bore schematic of the proposed procedures.

2. Instead of the previously requested 5 1/2" liner in the 6 1/8" or 6 1/4" hole (drilled out of the 7" casing stub), run 4 1/2" 13.5# L-80 LT&C liner $\pm 8,300'$ to ETD 10,000', and cement with approximately 241 sx Class H bringing the top of cement to the top of the liner.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)
Candace R. Graham 405/235-3611 X4520

Title
Engineering Tech.

Signature
Candace R. Graham

Date
07/21/2003

APPROVED

JUL 23 2003

LES BABYAK
PETROLEUM ENGINEER

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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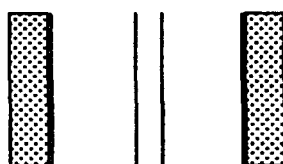
Office

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(Instructions on reverse)

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Old Ranch Canyon 7 Fed # 4			FIELD: Indian Basin (Upper Penn)			
LOCATION: Section 7, T22S, R24E			COUNTY: Eddy			STATE: NM
ELEVATION: GL=3996' - KB=4015'			SPUD DATE: 5/1/00		P&A DATE:	
API #: 30-015-31151		PREPARED BY: W.M. Frank			DATE: 4/3/03	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1622'	9 5/8"	36#	K-55	LT&C	12 1/4"
CASING:	±5000' - 8648'	7"	26#	K-55	LT&C	8 3/4"
CASING:	0' - 1600'	2 7/8"	6.5#	L-80	EUE 8rd	
TUBING:						
TUBING:						



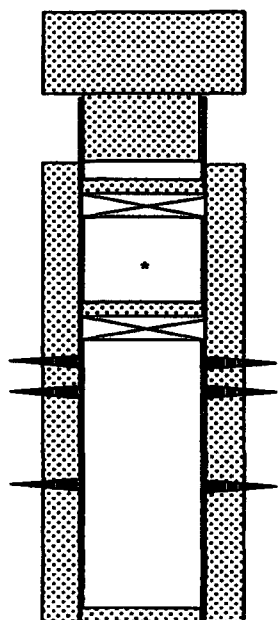
☐ CURRENT

☒ PROPOSED

**Directional well - BHL 1842' S30°W of location
Maximum angle is 33° Maximum DLS is 3.07°/100'**

9 5/8" csg cmt'd w/1225 sxs cmt. Top job cmt to 30'.

* indicates that 9.0 plug mud was pumped across these intervals.



Top of kickoff plug at 4,700'

7" Casing stub cut at ±5,000'. 300' in and out plug spotted from 5,300'.

TOC behind 7" @ 5300'

CIBP at ±5,500' capped with a minimum of 35' of cement.

CIBP at ±8,000' capped with a minimum of 35' of cement.

Upper Penn perms: 8074-77', 8082-96', 8098-8100', 8105-08', 8115-29',
8150-52', 8156-62', 8184-86', 8201-03', 8207-18', 8221-29', 8235-54',
8262-76', 8290-8304' (2 spf - 208 holes) on 7/19/2000

Upper Penn perms: 8320-30', 8356-68' (2 spf - 44 holes) on 8/26/2000

PBTD @ 8580'

7" @ 8648' csg cmt'd w/500 sxs cmt

TD @ 8650'

Oil Cons.
UNITED STATES N.M. DIV-Dist. 2
DEPARTMENT OF THE INTERIOR 1300 W. Grand Avenue
BUREAU OF LAND MANAGEMENT Artesia, NM 88210FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	SHL & BHL: NM-NM81219
6. If Indian, Allottee or Tribe Name	N/A
7. If Unit or CA/Agreement, Name and/or No.	N/A
8. Well Name and No.	Old Ranch Canyon "7" Federal #4
9. API Well No.	30-015-31151
10. Field and Pool, or Exploratory Area	Indian Basin (Morrow)
11. County or Parish, State	Eddy County New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other **amend
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	drilling program
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

*Please note that the current bottom hole location listed previously has been changed to show the proposed bottom hole location for deepening to the Morrow formation. Attached please find a location verification plat.

**The pressure control equipment plan is a 900 Series 3000 psi working pressure blow out preventer consisting of an annular bag type preventor, middle blind rams and bottom pipe rams. The blow out preventer will be nipped up on the 9 5/8" casing and tested to API specifications. The blow out preventer will be operated at least once in each 24 hour period and the blind rams will be operated when drill pipe is out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized as will a hydraulically operated closing unit and a 2" 3000 psi choke manifold with dual adjustable chokes. No abnormal pressures or temperatures are expected.

**The 5 1/2" 17# L-80 liner will be run 8,300' to 10,000' with top of cement brought to the top of the liner.

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Candace R. Graham 405/235-3611 X4520	Title Engineering Tech.
Signature <i>Candace R. Graham</i>	Date 03/28/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA	Title PETROLEUM ENGINEER	Date MAR 31 2003
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

P. O. Box 1980
Hobbs, NM 88241-1980

STATE OF NEW MEXICO
Energy, Minerals, and Natural Resources Department

Revised 02-10-94
Instructions on back

DISTRICT II
P. O. Drawer 00
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

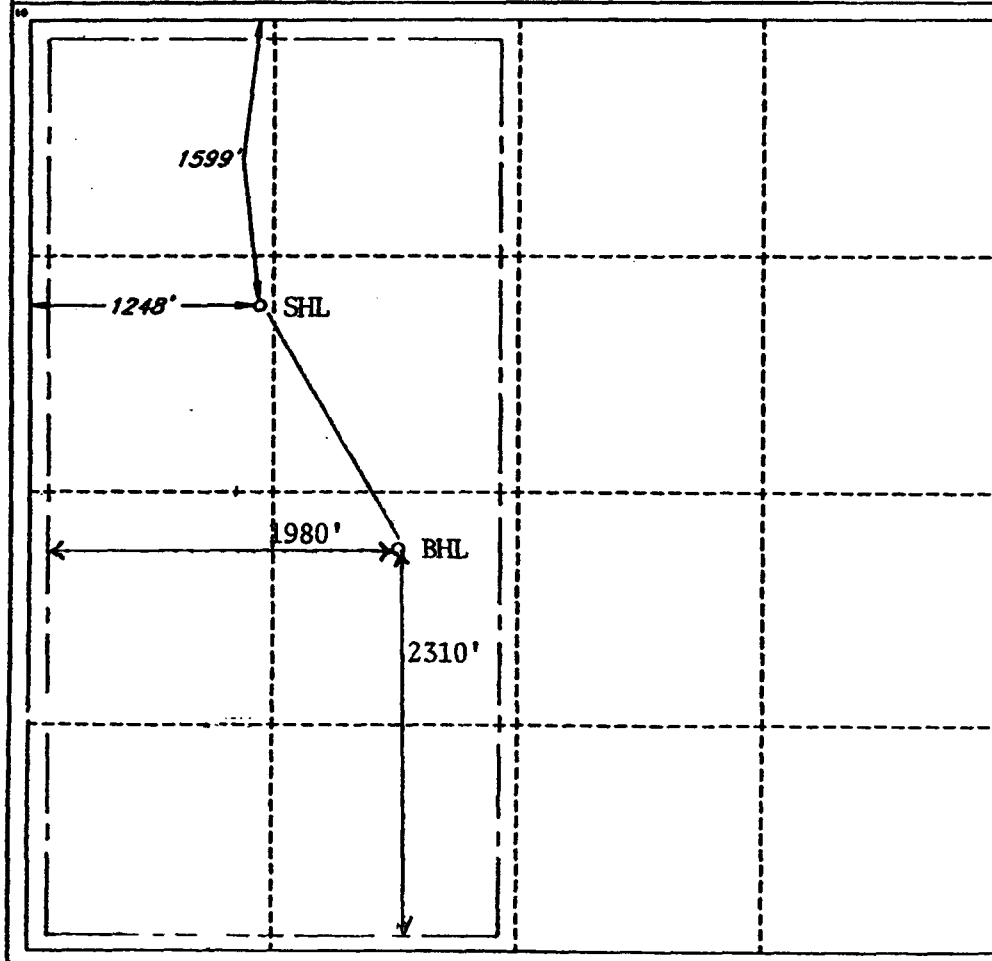
☒ **AMENDED REPORT**
3-28-2003

WELL LOCATION AND ACREAGE DEDICATION PLAT

Candace R. Graham

* API Number 30-015-31151		* Pool Code		* Pool Name Indian Basin (Morrow)					
* Property Code		* Property Name OLD RANCH CANYON '7' FEDERAL						* Well Number 4	
* OGRID No. 6137 20305		* Operator Name Devon Energy Production Company, L.P. SANTA FE SNYDER CORPORATION						* Elevation 3990'	
* SURFACE LOCATION									
UL or lot no. E	Section 7	Township 22 SOUTH	Range 24 EAST, N.M.P.M.	Lot Ida	Feet from the 1599'	North/South line NORTH	Feet from the 1248'	East/West line WEST	County EDDY
* BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no. 45 K	Section 7	Township 22-S	Range 24 East NMPM	Lot Ida	Feet from the 1360	North/South line South	Feet from the 990	East/West line West	County Eddy
* Dedicated Acres 320		* Joint or Infill		* Consolidation Code		* Order No. 2310' FSL 1980' FWL			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN
CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information
contained herein is true and complete
to the best of my knowledge and belief.

Signature
James P. Stinson

Printed Name
James P. "Phil" Stinson

Title
Agent for Santa Fe Snyder

Date
3-2-00

SURVEYOR CERTIFICATION

I hereby certify that the well
location shown on this plat was
plotted from field notes of actual
surveys made by me or under
my supervision, and that the
same is true and correct to the
best of my belief.

Date of Survey
FEBRUARY 8, 2000

Signature and Seal of
Professional Surveyor

V. L. Reznor
Certificate No.
V. L. REZNER R.E.S. #7920
JOB #67531 / S1 NE / V.H.B.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.

N.M. Div-Dist. 2

1001 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPlicate - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other - proposed gas well

2. Name of Operator
Wally Frank
Devon Energy Production Company, Senior Operations Engr.

3a. Address
20 N. Broadway, Suite 1500, OKC, OK 73102

3b. Phone No. (include area code)
(405)552-4595

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 1599' FNL & 1248' FWL, Unit E, Section 7-T22S-R24E, Eddy Cnty, NM
BHL: 1842' FSL & 1407' FWL, Unit L, Section 7-T22S-R24E, Eddy Cnty, NM

5. Lease Serial No.
SHL & BHL: NM-NM81219

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
Old Ranch Canyon "7" Federal #4

9. API Well No.
30-015-31151

10. Field and Pool, or Exploratory Area
Indian Basin (Morrow)

11. County or Parish, State
Eddy County
New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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Devon Energy respectfully requests permission to plug back the existing wellbore to approximately 5,300' by setting a CIBP at ±8,050', circulating the wellbore with 9.0 ppg plug mud, capping the CIBP @ ±8,050' with at least 35' of cement, setting another CIBP at ±5,400', cutting off the casing at ±5,300', and pumping a 100' in/out cement plug from ±5,400' to ±5,200'. We will then use this in/out cement plug as a kick off point to directionally drill the new wellbore to the bottom hole location indicated above attempting to find commercially productive Morrow pay. Attached please find the following.

1. Drilling Program
2. Surface Use and Operating Plan
3. Current well bore schematic
4. 7" casing and 5 1/2" liner data sheets
5. BOP data sheet
6. Drilling rig layout
7. H2S Plan
8. Bond letter
9. Cultural Resources examination report

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS ATTACHED**

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Candace R. Graham 405/235-3611 X4520

Signature

Candace R. Graham

Title
Engineering Tech.

Date
03/21/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

Title

PETROLEUM ENGINEER

Date

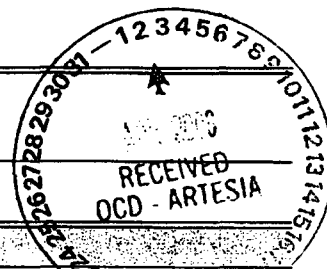
MAR 31 2003

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)



ATTACHMENT 1
DRILLING PROGRAM

Devon Energy Production Company, L.P.
Old Ranch Canyon "7" Federal #4
SHL= 1599' FNL & 1248' FWL, Unit E
BHL= 1842' FSL & 1407' FWL, Unit L
Section 7-T22S-R24E, Eddy County, New Mexico

Estimated Tops of Important Geologic Markers

San Andres	820'
Glorieta	2,230'
Bone Spring	3,394'
2nd Bone Spring	4,234'
3rd Bone Spring	6,415'
Wolfcamp	6,838'
Cisco-Canyon	7,575'
Strawn	8,520'
Atoka	8,914'
Morrow	9,294'
Barnett shale	9,925'
ETD	10,000'

Casing Program

<u>Hole Size</u>	<u>Interval</u>	<u>Casing OD</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>
12 1/4"	0' -1622'	9 5/8" existing	36#	K-55	8rd LT&C
8 3/4"	0' -±8600'	7" proposed	23#	J55/L80/HCL180	8rd LT&C
6 1/8"	8300' -±10,000'	5 1/2" proposed	17#	L-80	8rd LT&C
		LINEP			

Cementing Program

9 5/8" Surface Casing (existing):	Cemented to surface - 10 sx Thix + 450 sx HCL + 765 sx Class C
7" Production Casing (proposed):	Cement to 6000' (or 500' above the Wolfcamp) - 400 sx 15/61/11 Pozmix/ Class C.
5 1/2" Production Liner (proposed):	Cement to ^{8300'} 8500' - 257 sx Class.

acc

Types and Characteristics of the Proposed Mud System

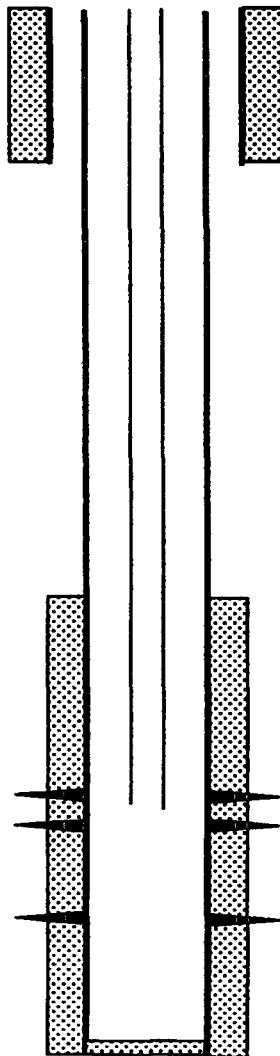
The hole will be drilled to total depth with fresh water/Dris-Pac mud systems at the following depths.

<u>Depth</u>	<u>Type</u>	<u>Weight</u> <u>(ppg)</u>	<u>Viscosity</u> <u>(1/sec)</u>	<u>Water Loss</u> <u>(cc)</u>
±5000-7300'	Fresh water mud system, add paper to control seepage, Hi Vis sweeps	8.5 - 8.7	29 - 40	No control
7300' - TD	Fresh water/Dris-Pac mud system, soda ash to control seepage, Hi Vis sweeps to clean hole	8.5 - 9.6	28 - 40	10 or less

The necessary mud products for weight addition and fluid loss control will be on location at all times.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Old Ranch Canyon 7 Fed # 4			FIELD: Indian Basin (Upper Penn)			
LOCATION: Section 7, T22S, R24E			COUNTY: Eddy			STATE: NM
ELEVATION: GL=3996' - KB=4015'			SPUD DATE: 5/1/00		COMP DATE: 7/29/00	
API #: 30-015-31151		PREPARED BY: W.M. Frank			DATE: 2/11/02	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1622'	9 5/8"	36#	K-55	LT&C	12 1/4"
CASING:	0' - 8648'	7"	26#	K-55	LT&C	8 3/4"
CASING:	0' - 8468'	2 7/8"	6.5#	L-80	EUE 8rd	
TUBING:						
TUBING:						



CURRENT

**Directional well - BHL 1842' S30°W of location
Maximum angle is 33° Maximum DLS is 3.07°/100'**

9 5/8" csg cmt'd w/1225 sxs cmt. Top job cmt to 30'.

Tubing String Detail:
270 jts, 2 7/8", 6.5#, L-80, 8rd
SN

TOC @ 5300'

200 bands lost on POOH on 7/27/2000

Upper Penn perms: 8074-77', 8092-96', 8098-8100', 8105-08', 8115-29',
8150-52', 8156-62', 8184-86', 8201-03', 8207-18', 8221-29', 8235-54',
8262-76', 8290-8304' (2 spf - 208 holes) on 7/19/2000

Upper Penn perms: 8320-30', 8356-68' (2 spf - 44 holes) on 8/26/2000

PBTD @ 8580'
7" @ 8648' csg cmt'd w/500 sxs cmt
TD @ 8650'

Well name: **Old Ranch Canyon 7-4Y**
 Operator: **Devon Energy Production Company L.P.**
 String type: **Production**
 Location: **Section 7, T22S, R24E**

Design parameters:**Collapse**

Mud weight: 8.600 ppg
 Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? Yes
 Surface temperature: 75 °F
 Bottom hole temperature: 144 °F
 Temperature gradient: 0.80 °F/100ft
 Minimum section length: 1,000 ft

Burst

Max anticipated surface pressure: 3,842 psi
 Internal gradient: 0.000 psi/ft
 Calculated BHP: 3,842 psi
 Annular backup: 8.60 ppg

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.60 (B)

Directional Info - Build & Drop

Kick-off point: 1500 ft
 Departure at shoe: 1554 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 0 °

Tension is based on air weight.
 Neutral point: 7,736 ft

Estimated cost: 64,716 (\$)

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
3	1500	7	23.00	L-80	LT&C	1500	1500	6.25	13454
2	4500	7	23.00	J-55	LT&C	5780	6000	6.25	23611
1	2848	7	23.00	HCL-80	LT&C	8600	8848	6.25	27650

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
3	670	3353	5.00	3842	6340	1.65	197.8	435	2.20 J
2	2582	3071	1.19	3172	4360	1.37	163.3	313	1.92 J
1	3842	5650	1.47	1260	6340	5.03	64.9	485	7.48 J

Prepared by: W.M. Frank
 by: Devon Energy

Phone: (405) 552-4595
 FAX: (405) 552-4621

Date: March 8, 2003
 Oklahoma City, Oklahoma

Remarks:

Collapse is based on a vertical depth of 8600 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	Old Ranch Canyon 7-4Y
Operator:	Devon Energy Production Company L.P.
String type:	Liner: Production
Location:	Section 7, T22S, R24E

Design parameters:**Collapse**

Mud weight: 9.600 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 155 °F
Temperature gradient: 0.80 °F/100ft
Minimum section length: 1,000 ft
Minimum Drift: 4.250 in

Burst

Max anticipated surface pressure: 4,987 psi
Internal gradient: 0.000 psi/ft
Calculated BHP: 4,987 psi

Annular backup: 9.60 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Liner top: 8,300 ft
Non-directional string.

Tension is based on air weight.
Neutral point: 9,752 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1700	5.5	17.00	L-80	LT&C	10000	10000	4.767	10771

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4987	6290	1.26	848	7740	9.13	28.9	338	11.70 J

Prepared by: Walter M. Frank
Devon Energy

Phone: (405) 552-4595
FAX: (405) 552-4621

Date: March 8, 2003
Oklahoma City, Oklahoma

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.6 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Attachment #5
BLOWOUT PREVENTORS
Devon Energy Production Company, L.P.
Old Ranch Canyon "7" Federal #4
SHL= 1599' FNL & 1248' FWL, Unit E
BHL= 1842' FSL & 1407' FWL, Unit L
Section 7-T22S-R24E, Eddy County, New Mexico

1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
2. Wear ring will be properly installed in head.
3. Blowout preventor and all associated fittings will be in operable condition to withstand a minimum 3000 psi working pressure.
4. All fittings will be flanged.
5. A full bore safety valve tested to a minimum 3000 psi WP with proper thread connections will be available on the rotary rig floor at all times.
6. All choke lines will be anchored to prevent movement.
7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
8. Will maintain a kelly cock attached to the kelly.
9. Hand wheels and wrenches will be properly installed and tested for safe operation.
10. Hydraulic floor control for BOP will be located as near in proximity to driller's controls as possible.
11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

DEVON ENERGY CORPORATION

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

A. Hydrogen Sulfide Training

All rig crews and company personnel will receive training from a qualified instructor in the following areas prior to penetrating any hydrogen sulfide bearing formations during drilling operations:

1. The hazards and characteristics of hydrogen sulfide (H₂S).
2. The proper use and maintenance of the H₂S safety equipment and of personal protective equipment to be utilized at the location such as H₂S detection monitors, alarms and warning systems, and breathing equipment. Briefing areas and evacuation procedures will also be discussed and established.
3. Proper rescue techniques and procedures will be discussed and established.

In addition to the above, supervisory personnel will be trained in the prevention of oil and gas well blowouts in accordance with Minerals Management Service Standards Subpart - 0 - 250 - 212.

Prior to penetrating any known H₂S bearing formation, H₂S training will be required at the rig sight for all rig crews and company personnel that have not previously received such training. This instruction will be provided by a qualified instructor with each individual being required to pass a 20 question test regarding H₂S safety procedures. All contract personnel employed on an unscheduled basis will be required to have received appropriate H₂S training.

This Hydrogen Sulfide Drilling And Operations Plan shall be available at the wellsite during drilling operations.

B. H₂S Safety Equipment And Systems

All H₂S safety equipment and systems will be installed, tested, and operational when drilling operations reach a depth approximately 500' above any known or probable H₂S bearing formation. The safety systems to be utilized during drilling operations are as follows:

1. Well Control Equipment

- (a) Double ram BOP with a properly sized closing unit and pipe rams to accommodate all pipe sizes in use.**
- (b) A choke manifold with a minimum of one remote choke.**

2. H2S Detection And Monitoring Equipment

- (a) Three (3) H2S detection monitors will be placed in service at the location. One monitor will be placed near the bell nipple on the rig floor; one will be placed at the rig substructure; and, one will be at the working mud pits or shale shaker. This monitoring system will have warning lights and audible alarms that will alert personnel when H2S levels reach 10 ppm.**
- (b) One (1) Sensidyne Pump with the appropriate detection tubes will also be available to perform spot checks for H2S concentrations in any remote or isolated areas.**

3. Protective Equipment For Essential Personnel

Protective equipment will consist of the following:

- (a) Four (4) - five minute escape packs located at strategic points around the rig.**
- (b) Two (2) - thirty minute rescue packs to be located at the designated briefing areas.**

4. Visual Warning System

Visual warning system will consist of the following:

- (a) Two wind direction indicators.**
- (b) One condition / warning sign which will be posted on the road providing direct access to the location. The sign will contain lettering of sufficient size to be readable at a reasonable distance from the immediate location. The sign will inform the public that a hydrogen sulfide gas environment could be encountered at the location.**

5. Mud Program

The mud program has been designed to minimize the volume of H₂S circulated to surface. Proper mud weight and safe drilling practices (for example, keeping the hole filled during trips) will minimize hazards when drilling in H₂S bearing formations.

6. Metallurgy

All drill strings, casings, tubing, wellhead, blowout preventers, drilling spools, kill lines, choke manifold and lines and valves shall be suitable for H₂S service.

7. Communication

Cellular telephone communication will be available in company vehicles.

C. Diagram of Drilling Location

Attached is a diagram representing a typical location layout as well as the location of H₂S monitors, briefing areas and wind direction indicators.

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-104A
March 19, 2001

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

Submit 1 copy of the final affected wells
list along with 1 copy of this form per
number of wells on that list to appropriate
District Office

Change of Operator

Previous Operator Information:

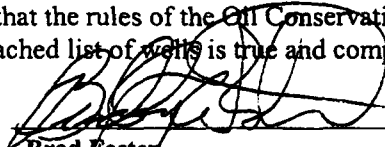
OGRID: 20305
Name: Devon SFS Operating, Inc.
Address: 20 North Broadway
Address: Ste 1500
City, State, Zip: Oklahoma City, OK 73102

New Operator Information:

Effective Date: November 1, 2002
New Ogrid: 6137
New Name: Devon Energy Production Company LP
Address: 20 North Broadway
Address: Ste 1500
City, State, Zip: Oklahoma City, OK 73102

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator

Signature: 

Brad Foster

Printed name:

Operations Manager

Title:

October 1, 2002

(405)552-7837

Date:

Phone:

Previous operator complete below:

Previous Operator: Devon SFS Operating, Inc.

OGRID: 20305

Signature: 

Printed: Brad Foster

Name: Operations Manager

NMOCD Approval

Signature: 

Printed: District Supervisor

District:

Date: NOV 01 2002

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised July 28, 2000

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address Devon-SFS Operating, Inc. 20. North Broadway, Suite 1500 OKC, OK 73102 (W.Frank 405/552-4595)		2 OGRID Number 20305
3 API Number 30-015-31151		4 Reason for Filing Code/ Effective Date NW
5 Pool Name Indian Basin (Upper Penn) Assoc.	6 Pool Code 33685	7 Well Number 4
8 Property Code 16775	9 Property Name Old Ranch Canyon "7" Federal	

II. Surface Location

UL or lot no. E	Section 7	Township 22S	Range 24E	Lot. Idn	Feet from the 1599'	North/South Line north	Feet from the 1248'	East/West line west	County Eddy, NM
--------------------	--------------	-----------------	--------------	----------	------------------------	---------------------------	------------------------	------------------------	--------------------

Bottom Hole Location

UL or lot no. L	Section 7	Township 22S	Range 24E	Lot. Idn	Feet from the 1842'	North/South line south	Feet from the 1407'	East/West line west	County Eddy, NM
10 Use Code F	11 Producing Method Code P	12 Gas Connection Date 07/29/2000	13 C-129 Permit Number	14 C-129 Effective Date 04/17/2000	15 C-129 Expiration Date 04/17/2001				

III. Oil and Gas Transporters

16 Transporter OGRID	17 Transporter Name and Address	18 POD	19 O/G	20 POD ULSTR Location and Description
138648	Amoco Pipeline Co. 502 NW Avenue Levelland TX 79336	2811465	O	960' FSL & 1980' FWL Sec. N-8-22S-24E Eddy, NM (LACT unit)
14035	Marathon Oil Co. PO Box 552 Midland TX 79702	2828724	G	660' FNL & 1980' FEL Sec. B-7-22S-24E Eddy, NM (compressor site)

IV. Produced Water

21 POD 2811512	22 POD ULSTR Location and Description 960' FSL & 1980' FWL Sec. N-8-22S-24E, Eddy, NM
-------------------	--

V. Well Completion Data

23 Spud Date 05/01/2000	24 Ready Date 07/29/2000	25 TD 8650' MD	26 PBTD 8580' MD	27 Perforations 8074-8368'	28 DHC, MC
29 Hole Size 12 1/4"	30 Casing & Tubing Size 9 5/8" J55 36#	31 Depth Set 1622'	32 Sacks Cement 1240 sx		
8 3/4"	7" K55 26#	8648'	500 sx		
	2 7/8" L80 26#	8468'			

VI. Well Test Data

33 Date New Oil 07/29/2000	34 Gas Delivery Date 07/29/2000	35 Test Date 08/16/2000	36 Test Length 24 hrs	37 Tbg. Pressure	38 Csg. Pressure
39 Choke Size 13 BOPD	40 Oil	41 Water 157 BWPD	42 Gas 555 MCF/GD	43 AOF	44 Test Method pmpg

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Candace R. Graham
Printed name: Candace R. Graham X4520
Title: Engineering Tech.
Date: 07/20/2001 Phone: (405)235-3611

[Signature]
OIL CONSERVATION DIVISION
ORIGINAL SIGNED BY FRI W. GUM
DISTRICT II SUPERVISOR

Approved by:

Title:

Approval Date:

AUG 07 2001

Job Number: WTX0600D205

State/Country: New Mexico

Company: Santa Fe Snyder

Declination: 9.6

Lease/Well: Old Ranch Canyon 7 Fed. #4

Grid:

Location: Eddy County

File name: C:\SURVEY\RANCH.SVY

Rig Name: Mc Vay #8

Date/Time: 01-Jun-00/08:26

RKB:

Curve Name:

G.L. or M.S.L.:

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 185.23
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

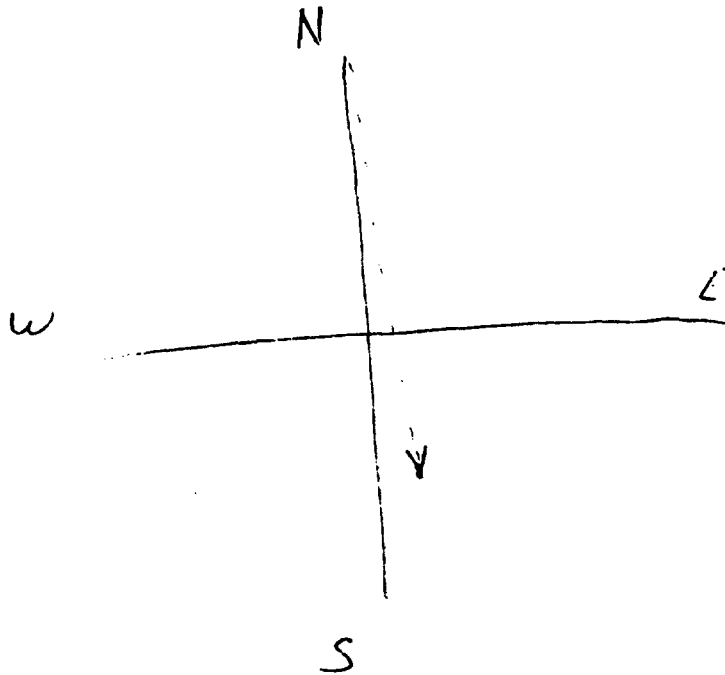
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
GYRODATA SURVEY									
3302.00	.23	182.83	3301.90	-10.88	-8.85	11.64	14.02	218.13	.00
3335.00	.80	195.50	3334.90	-11.17	-8.91	11.93	14.29	218.60	1.75
3398.00	2.00	197.00	3397.88	-12.64	-9.35	13.44	15.73	216.49	1.91
3462.00	3.30	192.30	3461.81	-15.51	-10.07	16.36	18.49	213.00	2.06
3525.00	4.30	189.40	3524.67	-19.61	-10.84	20.52	22.41	208.94	1.62
3589.00	5.10	188.70	3588.45	-24.79	-11.67	25.75	27.40	205.20	1.25
3653.00	5.90	187.80	3652.16	-30.86	-12.54	31.88	33.31	202.12	1.26
3716.00	6.50	184.90	3714.79	-37.62	-13.29	38.68	39.90	199.45	1.07
3780.00	7.20	184.90	3778.33	-45.23	-13.94	46.31	47.33	197.13	1.09
3843.00	8.00	184.70	3840.78	-53.53	-14.64	54.64	55.50	195.29	1.27
3907.00	9.20	185.60	3904.06	-63.06	-15.50	64.21	64.94	193.81	1.89
3971.00	10.30	183.00	3967.13	-73.87	-16.30	75.05	75.65	192.44	1.85
4034.00	10.80	181.70	4029.07	-85.39	-16.77	86.57	87.02	191.11	.88
4098.00	11.80	182.30	4091.83	-97.93	-17.21	99.09	99.43	189.97	1.57
4162.00	12.70	182.70	4154.37	-111.49	-17.80	112.65	112.90	189.07	1.41
4225.00	13.40	181.40	4215.74	-125.71	-18.31	126.85	127.03	188.29	1.20
4289.00	14.50	180.70	4277.85	-141.13	-18.59	142.24	142.35	187.50	1.74
4352.00	14.70	182.50	4338.82	-157.01	-19.03	158.09	158.16	186.91	.79
4415.00	15.80	183.60	4399.60	-173.55	-19.92	174.65	174.69	186.55	1.81
4477.00	17.10	183.80	4459.06	-191.07	-21.05	192.20	192.23	186.29	2.10
4540.00	17.70	182.70	4519.18	-209.88	-22.12	211.02	211.04	186.02	1.09

ORC 7-4

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
4604.00	18.60	182.40	4579.99	-229.80	-23.00	230.94	230.95	185.72	1.41
4667.00	19.70	182.90	4639.51	-250.44	-23.96	251.58	251.58	185.47	1.77
4730.00	20.10	184.00	4698.74	-271.84	-25.25	273.02	273.02	185.31	.87
4794.00	20.40	184.10	4758.79	-293.94	-26.82	295.16	295.16	185.21	.47
4853.00	20.90	183.90	4814.00	-314.70	-28.27	315.96	315.96	185.13	.86
4916.00	21.30	184.90	4872.77	-337.31	-30.01	338.64	338.64	185.08	.85
4980.00	21.70	186.40	4932.32	-360.65	-32.32	362.09	362.09	185.12	1.06
5041.00	22.90	186.70	4988.76	-383.64	-34.97	385.23	385.23	185.21	1.98
5103.00	23.30	186.10	5045.79	-407.82	-37.68	409.55	409.55	185.28	.75
5166.00	24.60	185.00	5103.36	-433.27	-40.14	435.13	435.13	185.29	2.18
5230.00	26.30	184.50	5161.15	-460.68	-42.42	462.63	462.63	185.26	2.68
5292.00	26.40	184.30	5216.71	-488.12	-44.53	490.14	490.14	185.21	.22
5355.00	27.20	184.70	5272.94	-516.43	-46.76	518.54	518.54	185.17	1.30
5419.00	28.20	185.10	5329.60	-546.07	-49.30	548.29	548.29	185.16	1.59
5482.00	29.50	185.10	5384.78	-576.35	-52.00	578.69	578.69	185.16	2.06
5545.00	30.70	184.60	5439.29	-607.83	-54.67	610.28	610.29	185.14	1.95
5609.00	32.00	184.50	5493.94	-641.02	-57.31	643.58	643.58	185.11	2.03
5641.00	32.70	184.40	5520.98	-658.09	-58.64	660.70	660.70	185.09	2.19
SINGLE SHOTS									
5754.00	33.00	184.00	5615.91	-719.23	-63.13	721.99	721.99	185.02	.33
5879.00	33.00	184.00	5720.74	-787.14	-67.88	790.05	790.06	184.93	.00
6001.00	32.75	180.00	5823.21	-853.29	-70.20	856.14	856.17	184.70	1.79
6123.00	32.75	179.00	5925.82	-919.28	-69.62	921.80	921.92	184.33	.44
6247.00	32.75	177.00	6030.11	-986.32	-67.28	988.34	988.61	183.90	.87
6372.00	33.00	174.00	6135.10	-1053.94	-61.95	1055.20	1055.76	183.36	1.32
6496.00	33.00	173.00	6239.10	-1121.04	-54.31	1121.32	1122.35	182.77	.44
MWD SURVEYS									
6621.00	33.50	170.00	6343.64	-1188.80	-44.17	1187.88	1189.62	182.13	1.38
6727.00	31.50	170.20	6433.04	-1244.90	-34.37	1242.85	1245.38	181.58	1.89
6820.00	29.80	174.30	6513.05	-1291.85	-27.94	1289.02	1292.15	181.24	2.90
6942.00	28.10	181.20	6619.83	-1350.76	-25.53	1347.46	1351.00	181.08	3.07
7066.00	29.50	187.20	6728.51	-1410.26	-29.97	1407.12	1410.58	181.22	2.59
7191.00	28.60	194.00	6837.82	-1469.84	-41.07	1467.47	1470.42	181.60	2.74
SINGLE SHOTS									
7365.00	25.00	198.00	6993.11	-1545.25	-62.51	1544.52	1546.51	182.32	2.31
7491.00	22.00	199.00	7108.65	-1592.90	-78.43	1583.42	1594.83	182.82	2.40
7595.00	20.75	199.00	7205.50	-1628.74	-90.77	1630.23	1631.26	183.19	1.20
7720.00	17.50	200.00	7323.58	-1667.34	-104.41	1669.92	1670.61	183.58	2.61
7814.00	15.50	199.00	7413.71	-1692.50	-113.33	1695.79	1696.29	183.83	2.15
7941.00	13.00	194.00	7536.79	-1722.42	-122.32	1726.39	1726.75	184.06	2.19
8129.00	11.50	195.00	7720.51	-1761.04	-132.28	1765.76	1766.00	184.30	.81
8319.00	8.00	199.00	7907.74	-1791.84	-141.49	1797.28	1797.42	184.51	1.88

CRC 7-4

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
8508.00	8.00	200.00	8094.90	-1816.64	-150.27	1822.77	1822.84	184.73	.07
8600.00	8.25	210.00	8185.98	-1828.37	-155.76	1834.96	1834.99	184.87	1.56
PROJECTOR TO BIT				-1834.58	-159.35	1841.47	1841.49	184.96	.00



2433 N/1907

Well Name and Number: Old Ranch Canyon 7 Federal #4

Location: Sec. 7, T22S, R24E, Eddy County, NM

Operator: Santa Fe Energy Corporation

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth		Degrees @ Depth		Degrees @ Depth	
¼	1810	21 ½	4948	33	6621
¼	2348	23	5041	29 ½	6820
¾	3335	23 ¼	5105	29 ¼	7004
6	3653	26 ¼	5230	29 ½	7128
6 ¾	3748	27 ¼	5355	28 ½	7191
10	3939	28 ¾	5450	25	7365
10 ¾	4034	30 ¾	5545	22	7491
13	4193	32 ¾	5631	20 ¾	7593
15 ¼	4384	33	5754	17 ½	7720
12	4477	33	5879	15 ½	7814
20	4762	32 ¾	6001	8	8319
21	4853	33	6496	8	8508
				8 ¼	8600

Drilling Contractor: McVay Drilling Company

By: Jan Hays

Subscribed and sworn to before me this 8th day of June, 2000.

Jina Hernandez

Notary Public

My Commission Expires: 8-16-01

Lea County, New Mexico

WELL NAME AND NUMBER Old Ranch Canyon 7 Fed #4

LOCATION T22S, R24E, 1599' FNL, 1248' FWL, Section 7, Eddy County

OPERATOR Santa Fe Energy Resources, Inc.

DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/4° @ 512'</u>	<u> </u>	<u> </u>
<u>1/2° @ 1015'</u>	<u> </u>	<u> </u>
<u>3/4° @ 1512'</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Drilling Contractor United Drilling, Inc.

By: George Aho *George A. Aho*

Title: Business Manager

Subscribed and sworn to before me this 9th day of May,
2000.

Karma Tamborsky
Notary Public

My Commission Expires: 9-25-2003 Chaves NM
County State

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

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

2. Name of Operator

Devon-SFS Operating, Inc. /

3. Address

20 N. Broadway, suite 1500, OKC, OK 73102 (W. Frank)

3.a Phone No. (Include area code)

(405)552-4595

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface 1599' FNL & 1248' FWL, Unit E, Section 7-T22S-R24E

At top prod. interval reported below 1916' FSL & 1380' FWL, Unit K, Section 7-T22S-R24E

At total depth 1842' FSL & 1407' FWL, Unit L, Section 7-T22S-R24E

14. Date Spudded

05/01/2000

15. Date T.D. Reached

06/01/2000

16. Date Completed

☐ D & A ☒ Ready to Prod.

7-29-2000

5. Lease Serial No.

NM-NM81219

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.

Old Ranch Canyon 7 Federal #4

9. API Well No.

30-015-31151 S/

10. Field and Pool, or Exploratory

Indian Basin (Upper Penn) Assoc.

11. Sec., T., R., M., on Block and

Survey or Area 7-22S-24E

12. County or Parish

Eddy Cnty.

13. State

New Mexico

17. Elevations (DF, RKB, RT, GL)*

GL 3996', DF 4014', KB 4015'

18. Total Depth: MD 8650'
TVD 8235'

19. Plug Back T.D.: MD 8580'
TVD 8140'

20. Depth Bridge Plug Set: MD
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
Platform Express Three Detector Litho-Density Compensated Neutron/GR,
Azimuthal Laterolog Micro-CFL/GR and CBL

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8" J55	36	surface	1622'		10-Thix + 450-HLC + 765-Cl C		30' CAL	
8 3/4"	7" K55	26#	surface	8648'		500-Mod C		5300' CBL	

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 7/8" L80 (26#) @ 8468'								

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Upper Penn			8074-8304'		208	Producing
B) Upper Penn			8320-8368'		44	Producing
C)						
D)						

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

Depth Interval	Amount and Type of Material
8074-8304'	21,000 gals gelled 20% HCl + 230 BS
8320-8368'	27,000 gals 20% HCl
8074-8368'	Zap-FeSD iron sulfide treatment
8074-8368'	2000 gals 15% HCl NeFe

ACCEPTED FOR RECORD

JUL 24 2001

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

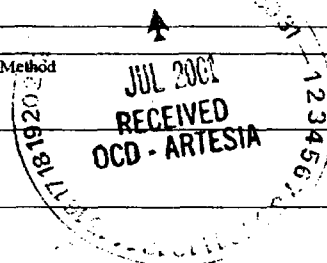
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7-29-00	8-16-00	24	→	13	555	157			NEO-400 ESP pmp, 70 HP
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	13	555	157	42,693/1	Producing	

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)



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	
			→						

2001 JUL 24 AM 8:51

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	
			→						Producing

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

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or 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	Descriptions, Contents, etc.	Name	Top Meas. Depth
Cicso-Canyon	8089'	8303'		Glorietta	2239'
				Bone Spring	3021'
				3rd Bone Spring	6757'
				Wolfcamp	7367'
				Cisco-Canyon	8089'
				base Cisco-Canyon	8303'

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

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

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) Candace R. Graham

Title Engineering Tech.

Signature

Candace R. Graham

Date 07/20/2001

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

¹ Operator Name and Address		² OGRID Number
Devon-SFS Operating, Inc. 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102-8260		Wally Frank Sr. Operations Engineer (405) 552-4595
		³ Reason for Filing Code operator name change (effec 10/1/00)
⁴ API Number	⁵ Pool Name	⁶ Pool Code
30-015-31151	Indian Basin (Upper Penn) Assoc.	33685
⁷ Property Code	⁸ Property Name	⁹ Well Number
16775	OLD RANCH CANYON "7" FEDERAL	4

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
E	7	22S	24E		1599'	NORTH	1248	WEST	EDDY

UI or lot no. L	Section 7	Township 22S	Range 24E	Lot Idn	Feet from the 1360'	North/South Line SOUTH	Feet from the 990'	East/West Line WEST	County EDDY
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date	

[illegible]

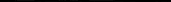
23 POD	24 POD ULSTR Location and Description	25

[illegible]

³⁸ Date New Oil	³⁹ Gas Delivery Date	⁴⁰ Test Date	⁴¹ Test Length	⁴² Tbg. Pressure	⁴³ Csg. Pressure
⁴⁴ Choke Size	⁴⁵ Oil	⁴⁶ Water	⁴⁷ Gas	⁴⁸ AOF	⁴⁹ Test Method

Signature: Candace R. Graham
Printed Name: Candace R. Graham X4520
Title: Engineering Tech.
Date: March 21, 2001 Phone: 405/235-36

Approved by: [Signature]
Title: SUPERVISOR DISTRICT 1
Approval Date: APR 07 2007

Previous Operator Signature	Printed Name	Title	Date
	Bradley A. Foster	Operations Manager	3/21/01

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N. M. Oil Conservation

ARTESIA, NM 88210

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Santa Fe Snyder Corp.

3a. Address

550 W. Texas, Suite 1330, Midland, TX 79701

3b. Phone No. (include area code)

915/686-6612

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface: (E), 1350' FNL and 2350' FWL, Sec. 7, T-22S, R-24E

Bottom-hole: (L), 1360' FSL and 990' FWL

5. Lease Serial No.

NM-81219

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Old Ranch Canyon 4
"7" Federal

9. API Well No.

30-015-31151

10. Field and Pool, or Exploratory Area

Indian Basin (Upper Penn)

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Re-complete | <input checked="" type="checkbox"/> Other Ran csg |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Well Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

6/01/00: TD hole @ 8650' at 6:15 A.M., 6/01/00. TIH. Circ & condition hole for logs. POOH for logs. MIRU Schlumberger loggers. Logging, 1st log on btm @ 22:30 hrs. Logged TD 8590'.

6/02/00: Log, ran Platform Express. TIH. Circ & wait on orders. LD DP & DC's. MIRU csg crew. Begin running 7" csg.

6/03/00: Ran 215 jts of 7" 26# LT&C csg, set @ 8650', FS @ 8648', FC @ 8605', MJ @ 7490'. RU BJ cmt head, circ. Cmt csg w/500 sx Mod "C" 15:61:11 w/.5% FL-25, 5% FL-52, 5% salt. Float held. PD @ 04:30 hrs. ND BOP. Cut off csg. NUL & test WH to 3000# ok. Jet & clean steel pits. Rel rig @ 12noon, 6/03/00. WO completion.

ACCEPTED FOR RECORD

(ORIG. SGD.) GARY GOURLEY JUN 6 2000

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Terry McCullough

Title

Sr. Production Clerk

Date 6/5/00

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Old Ranch Canyon 4

"7" Federal

9. API Well No.

30-015-31151

10. Field and Pool, or Exploratory Area

Indian Basin (Upper Penn)

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Spud and set casing |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

5/01/00: Spud 12-1/4" hole at 5:00 p.m. Drlg ahead.

5/06/00: TD 12-1/4" hole at 1615'. RU csg crew and ran 36 jts. 9-5/8" casing set at 1622'. FC @ 1589'. RU Halliburton and cemented with 10 sx THIXset and 450 sx Halliburton Lite. Tail w/ 200 sx Cl C + 3% CaCl. Plug down @ 2:00 p.m., cmt did not circ. WOC. Run temp survey and found TOC @ 951'. PU 1" tbq and tag at 540'. Cement w/35 sx Cl C + 3% CaCl. WOC.

5/07/00: Tag plug @ 540'. RIH w/ 1" pipe and set two 50 sx plugs at 540'. Tag plug @ 465'. Set 130 sx plug. Tag @ 406'. Pump 300 sx cmt and bring cement within 30' of surface. Released rig.

5/08/00: MIRU McVay Rig #8.

5/09/00: Preparing to drill.

5/10/00: NU BOP. Test blind rams, pipe rams, and manifold to 3000 psi, held okay. TIH w/ BHA. Resume drilling cmt, float, and formation.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Terry McCullough

Title

Sr. Production Clerk

Date

May 12, 2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

(ORIG. SGD.) DAVID R. GLASS

Date

Office

MAY 15 2000

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

BLM

I & E (CRA)

Form 3133-3
(July 1995)SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Santa Fe Snyder Corp.

3. ADDRESS AND TELEPHONE NO.

550 W. Texas, Suite 1330, Midland, Texas 79701 (915) 682-6374

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

(B) 1599' FNL & 1248' FWL
At proposed prod. zone

(L) 1360' FSL & 990' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16 3/4 miles west of Carlsbad, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

990'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2346

19. PROPOSED DEPTH

8500' TVD

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3996' GR

22. APPROX. DATE WORK WILL START*

April 1, 2000

23.

PROPOSED CASING AND CEMENT

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	K-55 9 5/8"	36#	1600'	775 ex to circulate
8 3/4"	K-55 7"	26#	8500'	400 ex TOC @ 6000'

We propose to drill to a depth sufficient to test the Cisco/Canyon formation for oil. If productive, 7" casing will be run to TD. If non-productive, the well will be plugged and in a manner consistent with Federal Regulations. Specific programs as per Onshore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- Exhibit A - Operations Plan
- Exhibit B - BOP and Choke Schematic
- Exhibit C - Drilling Fluid Program
- Exhibit D - Auxiliary Equipment
- Exhibit E - Topo Map at Location

- Exhibit F - Plat Showing Existing Wells
- Exhibit F (A) - Plat of Location
- Exhibit G - Well Site Layout
- Surface Use and Operations Plan
- H2S Drilling Operations Plan

Santa Fe Snyder Corp. accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or portion thereof, as described above.

Bond Coverage: Blanket Bond

BLM Bond File No.: UT-0855

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

James B. "Bud" Anderson

TITLE

Agent for Santa Fe Snyder Corp.

DATE

3-2-00

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

(ORIG. SEC.) ANTONIO A. LOPEZ

TITLE

Assistant Field Manager,
Lands And Minerals

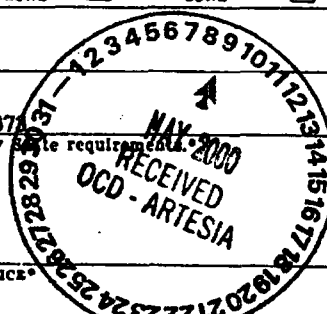
DATE

APR 17 2000

*See Instructions On Reverse Side

APPROVED FOR 1 YEAR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the



NSL-

Notify OCD at SPUD & TIME
to witness cementing the
casing.

DISTRICT I
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

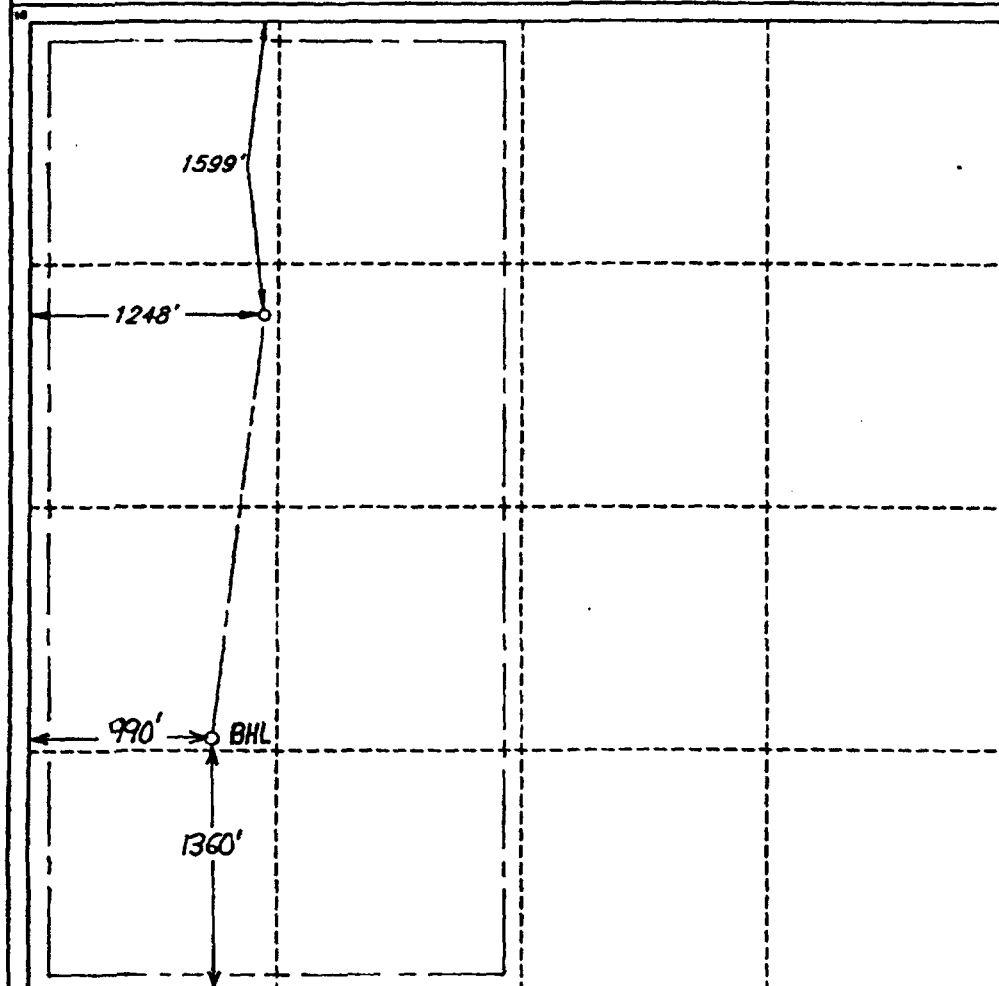
☐ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number		* Pool Code		* Pool Name Indian Basin (Upper Penn)					
* Property Code		* Property Name OLD RANCH CANYON '7' FEDERAL						* Well Number 4	
* OGRID No. 20305		* Operator Name SANTA FE SNYDER CORPORATION						* Elevation 3996'	
* SURFACE LOCATION									
UL or lot no. E	Section 7	Township 22 SOUTH	Range 24 EAST, N.M.P.M.	Lot Ida	Feet from the 1599'	North/South line NORTH	Feet from the 1248'	East/West line WEST	County EDDY
"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no. (L)	Section 7	Township 22-S	Range 24 East NMPM	Lot Ida	Feet from the 1360'	North/South line South	Feet from the 990'	East/West line West	County Eddy
** Dedicated Acres 320		** Joint or Infill		** Consolidation Code		** Order No.			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
James P. "Phil" Stinson

Printed Name
James P. "Phil" Stinson

Title
Agent for Santa Fe Snyder

Date
3-2-00

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey
FEBRUARY 8, 2000

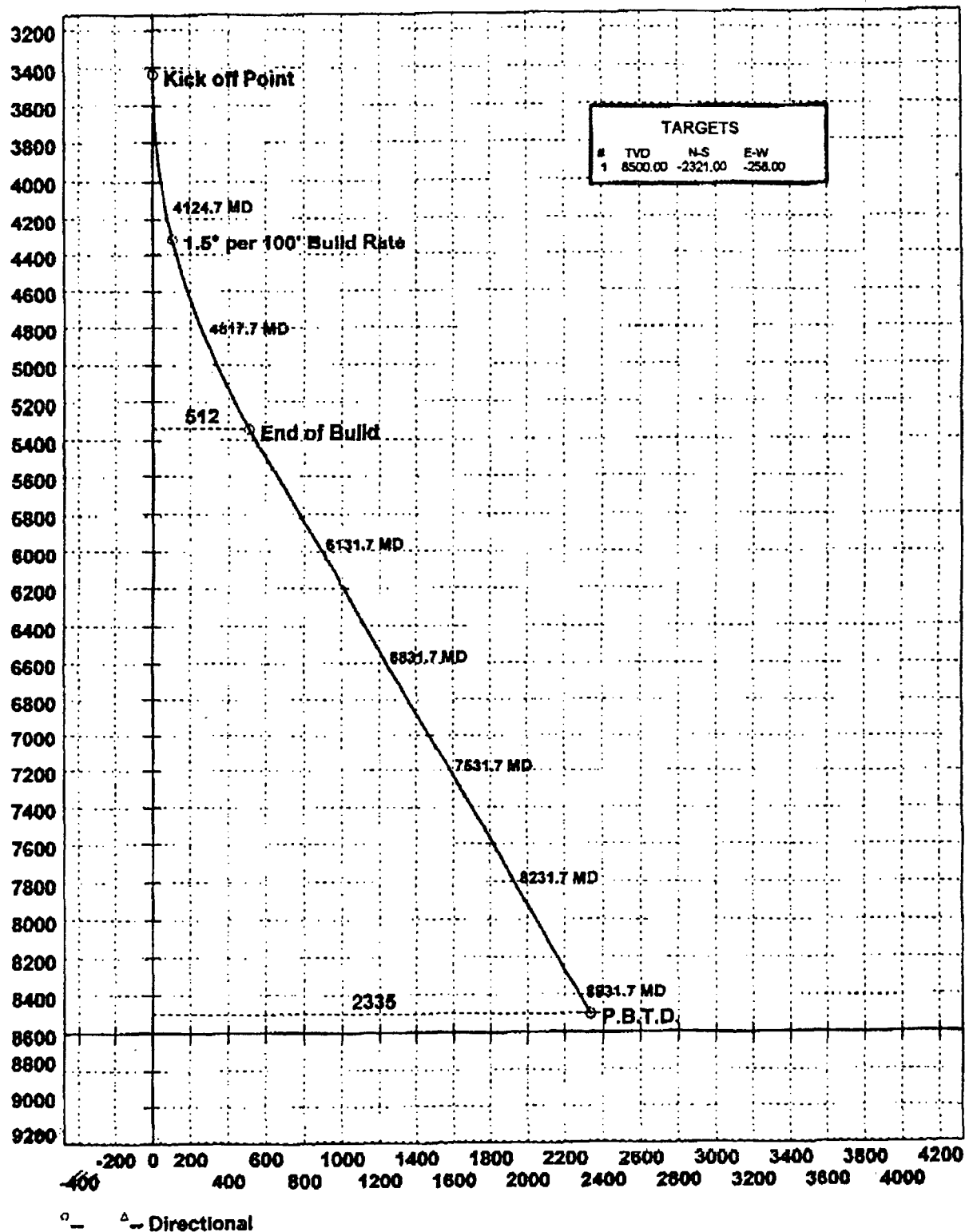
Signature and Seal of Professional Surveyor

[Signature]
V. L. BEZNER

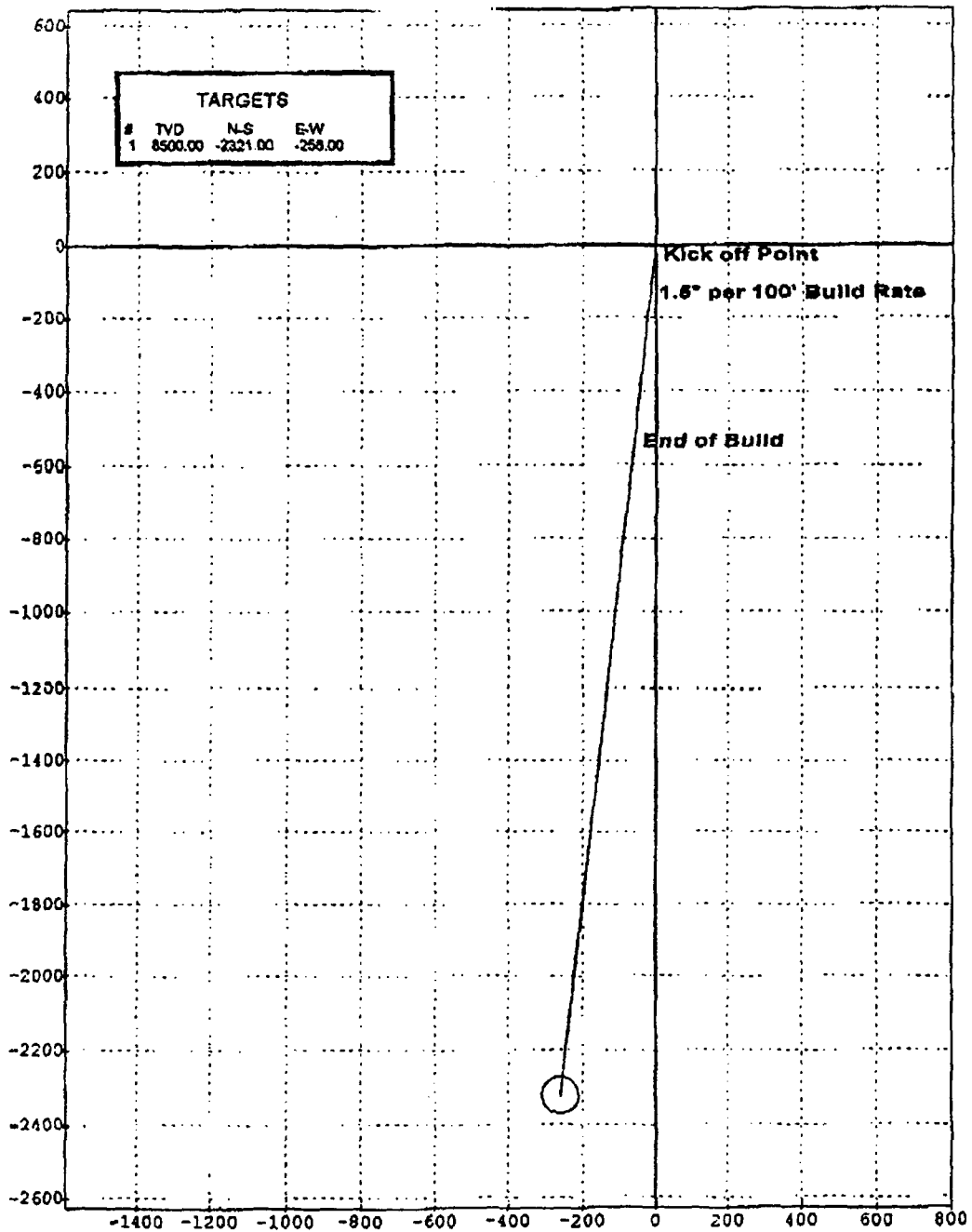
Certificate No.
#7920

JOB #67531 / 51 NE / V.H.B.

Company: Santa Fe / Snyder
 Lease/Well: OldRanch Canyon 7 #4
 Location: Eddy Co.
 State/Country: New Mexico
 Declination: 9.8° East



Company: Santa Fe / Snyder
Lease/Well: Old Ranch Canyon 7 #4
Location: Eddy Co.
State/Country: New Mexico
Declination: 9.8° East





Job Number: Sec. 7 T22S R24E
 Company: Santa Fe / Snyder
 Lease/Well: OldRanch Canyon 7 #4
 Location: Eddy Co.
 Rig Name:
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination: 9.8° East
 Grid: True
 File name: C:\WINSERVE\SANTAF~1\OLDRANCH.SVY
 Date/Time: 16-Feb-00 / 14:14
 Curve Name: Directional

Dailey International Inc.
 Midland, Texas

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 186.34
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
Kick off Point									
3431.66	.00	186.34	3431.66	.00	.00	.00	.00	.00	.00
3530.66	1.49	186.34	3530.65	-1.28	-.14	1.28	1.28	186.34	1.50
3629.66	2.87	186.34	3629.57	-5.10	-.57	5.13	5.13	186.34	1.50
3728.66	4.46	186.34	3728.38	-11.47	-1.27	11.54	11.54	186.34	1.50
3827.66	5.94	186.34	3826.95	-20.38	-2.27	20.51	20.51	186.34	1.50
3926.66	7.43	186.34	3925.27	-31.83	-3.54	32.03	32.03	186.34	1.50
4025.66	8.91	186.34	4023.27	-45.81	-5.09	46.09	46.09	186.34	1.50
4124.66	10.40	186.34	4120.86	-62.31	-6.93	62.69	62.69	186.34	1.50
4223.66	11.88	186.34	4218.00	-81.31	-9.04	81.81	81.81	186.34	1.50
1.6" per 100' Build Rate									
4322.66	13.37	186.34	4314.60	-102.82	-11.43	103.45	103.45	186.34	1.50
4421.66	14.85	186.34	4410.81	-126.80	-14.09	127.58	127.58	186.34	1.50
4520.66	16.34	186.34	4505.97	-153.24	-17.03	154.19	154.19	186.34	1.50
4619.66	17.82	186.34	4600.80	-182.14	-20.25	183.26	183.26	186.34	1.50
4718.66	19.31	186.34	4694.45	-213.46	-23.73	214.77	214.77	186.34	1.50
4817.66	20.79	186.34	4787.44	-247.19	-27.48	248.71	248.71	186.34	1.50
4916.66	22.28	186.34	4870.63	-283.30	-31.49	285.05	285.05	186.34	1.50
5015.66	23.76	186.34	4970.85	-321.77	-35.77	323.75	323.75	186.34	1.50
5114.66	25.25	186.34	5060.73	-362.58	-40.30	364.81	364.81	186.34	1.50
5213.66	26.73	186.34	5149.72	-405.69	-45.10	408.19	408.19	186.34	1.50

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
5312.66	28.22	186.34	5237.55	-451.08	-50.14	453.88	453.88	186.34	1.50
5411.66	29.70	186.34	5324.17	-498.72	-55.44	501.79	501.79	186.34	1.50
End of Build									
5431.66	30.00	186.34	5341.52	-508.61	-56.54	511.75	511.75	186.34	1.50
5531.66	30.00	186.34	5428.12	-558.31	-62.06	561.75	561.75	186.34	.00
5631.66	30.00	186.34	5514.72	-608.00	-67.58	611.75	611.75	186.34	.00
5731.66	30.00	186.34	5601.33	-657.89	-73.11	661.75	661.75	186.34	.00
5831.66	30.00	186.34	5687.93	-707.39	-78.63	711.75	711.75	186.34	.00
5931.66	30.00	186.34	5774.53	-757.08	-84.18	761.75	761.75	186.34	.00
6031.66	30.00	186.34	5861.13	-806.78	-89.68	811.75	811.75	186.34	.00
6131.66	30.00	186.34	5947.74	-856.47	-95.20	861.75	861.75	186.34	.00
6231.66	30.00	186.34	6034.34	-906.16	-100.73	911.75	911.75	186.34	.00
6331.66	30.00	100.04	6120.04	-955.88	-106.25	961.75	961.75	186.34	.00
6431.66	30.00	186.34	6207.54	-1005.55	-111.78	1011.75	1011.75	186.34	.00
6531.66	30.00	186.34	6294.15	-1055.25	-117.30	1061.75	1061.75	186.34	.00
6631.66	30.00	186.34	6380.75	-1104.94	-122.82	1111.75	1111.75	186.34	.00
6731.66	30.00	186.34	6467.35	-1154.63	-128.35	1161.75	1161.75	186.34	.00
6831.66	30.00	186.34	6553.95	-1204.33	-133.87	1211.75	1211.75	186.34	.00
6931.66	30.00	186.34	6640.56	-1254.02	-139.40	1261.75	1261.75	186.34	.00
7031.66	30.00	186.34	6727.16	-1303.72	-144.92	1311.75	1311.75	186.34	.00
7131.66	30.00	186.34	6813.76	-1353.41	-150.44	1361.75	1361.75	186.34	.00
7231.66	30.00	186.34	6900.36	-1403.10	-155.97	1411.75	1411.75	186.34	.00
7331.66	30.00	186.34	6986.97	-1452.80	-161.49	1461.75	1461.75	186.34	.00
7431.66	30.00	186.34	7073.57	-1502.49	-167.02	1511.75	1511.75	186.34	.00
7531.66	30.00	186.34	7160.17	-1552.19	-172.54	1561.75	1561.75	186.34	.00
7631.66	30.00	186.34	7246.77	-1601.88	-178.06	1611.75	1611.75	186.34	.00
7731.66	30.00	186.34	7333.38	-1651.57	-183.59	1661.75	1661.75	186.34	.00
7831.66	30.00	186.34	7419.98	-1701.27	-189.11	1711.75	1711.75	186.34	.00
7931.66	30.00	186.34	7506.58	-1750.96	-194.64	1761.75	1761.75	186.34	.00
8031.66	30.00	186.34	7593.18	-1800.65	-200.16	1811.75	1811.75	186.34	.00
8131.66	30.00	186.34	7679.79	-1850.35	-205.68	1861.75	1861.75	186.34	.00
8231.66	30.00	186.34	7766.39	-1900.04	-211.21	1911.75	1911.75	186.34	.00
8331.66	30.00	186.34	7852.99	-1949.74	-216.73	1961.75	1961.75	186.34	.00
8431.66	30.00	186.34	7939.59	-1999.43	-222.25	2011.75	2011.75	186.34	.00
8531.66	30.00	186.34	8026.20	-2049.12	-227.78	2061.75	2061.75	186.34	.00
8631.66	30.00	186.34	8112.80	-2098.82	-233.30	2111.75	2111.75	186.34	.00
8731.66	30.00	186.34	8199.40	-2148.51	-238.83	2161.75	2161.75	186.34	.00
8831.66	30.00	186.34	8286.00	-2198.21	-244.35	2211.75	2211.75	186.34	.00
8931.66	30.00	186.34	8372.61	-2247.90	-249.87	2261.75	2261.75	186.34	.00
9031.66	30.00	186.34	8459.21	-2297.59	-255.40	2311.75	2311.75	186.34	.00
P.B.T.D.									
9078.76	30.00	186.34	8500.00	-2321.00	-258.00	2335.30	2335.30	186.34	.00

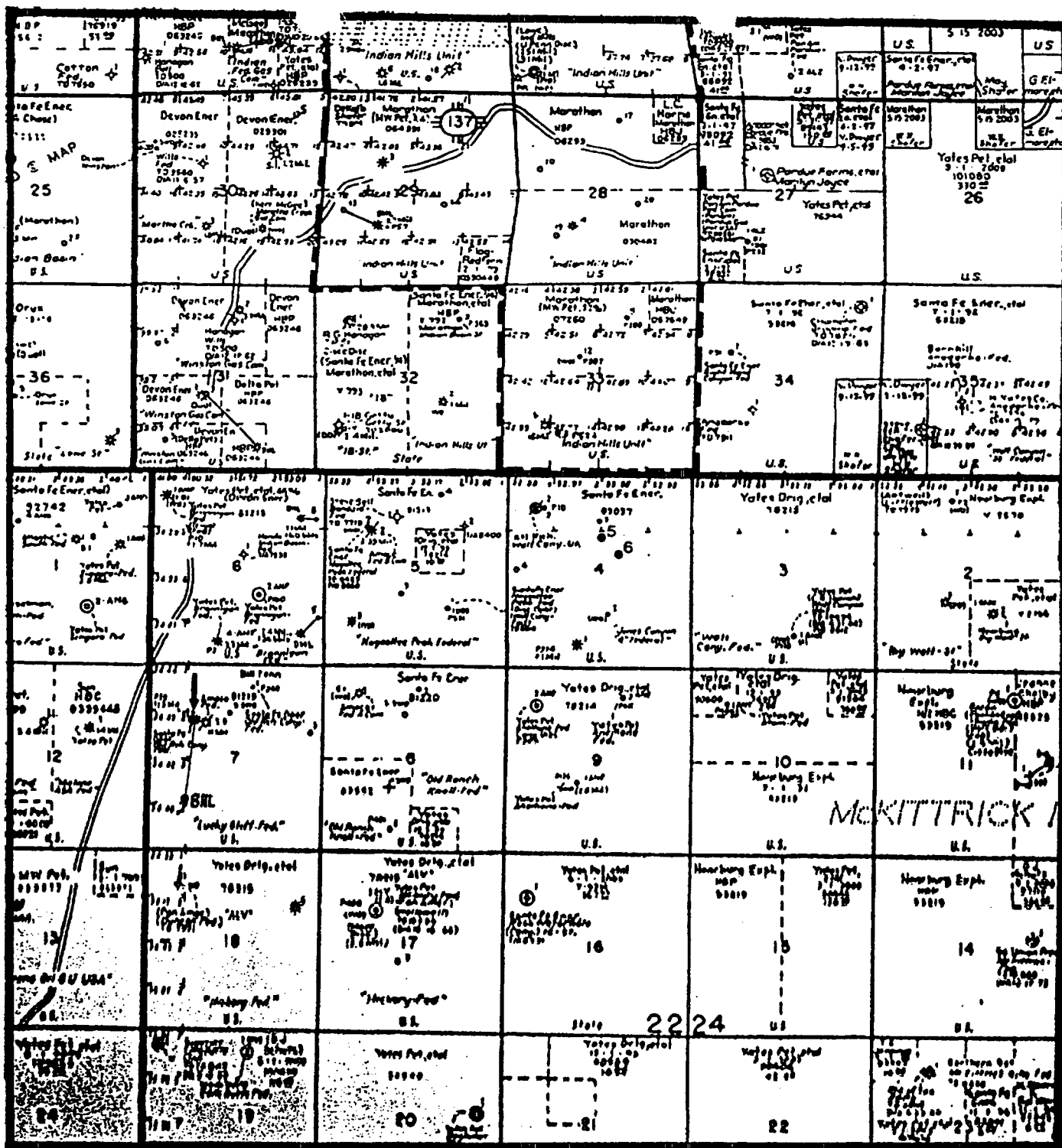
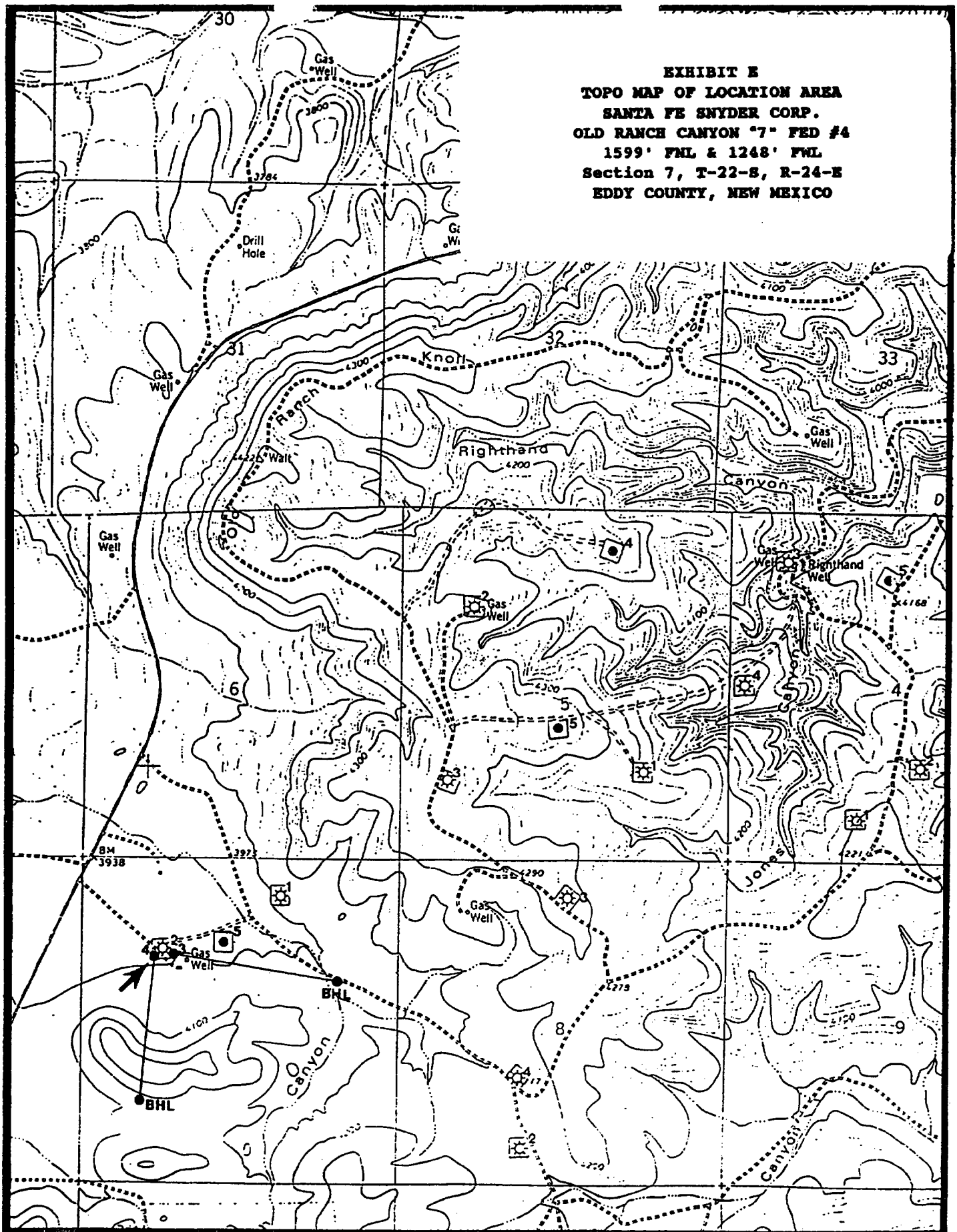


EXHIBIT F
EXISTING WELLS
SANTA FE SNYDER CORP.
OLD RANCH CANYON 7" FED #4
1599' FNL & 1248' FNL
Section 7, T-22-S, R-24-E
EDDY COUNTY, NEW MEXICO

EXHIBIT E
TOPO MAP OF LOCATION AREA
SANTA FE SNYDER CORP.
OLD RANCH CANYON "7" FED #4
1599' FWL & 1248' FWL
Section 7, T-22-S, R-24-E
EDDY COUNTY, NEW MEXICO



30-015 2 1151

Geol. Tops per / BGA

San Andres 2239
Glorieta
Bone Spring 3021
Wolfcamp 7367
Upper Penn. 8089

7-24-D1
CEMENT BOND / GR / CASING CEMENT
7000-8576
PLAT EXP / 3D-LD / COMP NUT / GR
200-8568
PLAT EXP / AZ-LL / MICRO-CFL / GR
1632-8578