

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM81217

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
NAGOOLTEE PEAK 5 FED COM 6Y

9. API Well No.
30-015-33127

10. Field and Pool, or Exploratory
INDIAN BASIN UPPER PENN ASSOC

11. Sec., T., R., M., or Block and Survey
or Area Sec 5 T22S R24E Mer NMP

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
4255 GL

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 ENERGY PRODUCTION CO LP

Contact: LINDA GUTHRIE
E-Mail: linda.guthrie@dvn.com

3. Address 20 NORTH BROADWAY, STE 1500
OKLAHOMA CITY, OK 73102

3a. Phone No. (include area code)
Ph: 405.228.8209

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

At surface NWNE 630FNL 1896FEL

At top prod interval reported below NWNE 1705FNL 886FEL

At total depth NWNE 1861FNL 746FEL

14. Date Spudded
11/11/2003

15. Date T.D. Reached
12/30/2003

16. Date Completed
☐ D & A ☒ Ready to Prod.
01/22/2004

18. Total Depth: MD 8980
TVD

19. Plug Back T.D.: MD 8802
TVD 8450

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
PEX-HRLA-HNGS-NGRS-CBL

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

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
17.500	13.375 J55	54.5	0	400		400		0	
12.250	9.625 J55	36.0	0	1498		750		0	
8.750	7.000 J55	23.0	0	8890		1845		1510	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8572							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CISCO REEF	8166	8648	8166 TO 8648	4.000	343	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8166 TO 8270	ACIDIZE W/13800 GALS 20% HCL
8404 TO 8438	ACIDIZE W/ 440 GALS 20% HCL
8558 TO 8648	ACIDIZE W/15200 GALS 20% HCL

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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
01/23/2004	02/14/2004	24	→	113.0	1280.0	1764.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	450	210.0	→	113	1280	1764	11327	POW	

28a. Production - Interval B

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

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

ELECTRONIC SUBMISSION #28146 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

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

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
CISCO REEF	8166	8648		GLORIETTA	2733
				BONE SPRING LIME	3231
				THIRD BONE SPRING SAND	7369
				WOLFCAMP	7594
				UPPER CISCO	8000
				CISCO REEF	8163

32. Additional remarks (include plugging procedure):

01/13/2004 TIH w/4" csg guns. Shot 8 squeeze holes @8088-8090. Pumped 75 sx Class H. Overdisplaced 7 bbls.
01/14/04 Pumped 50 sx Class H
01/18/04 TIH w/ csg gun. Perf upper Penn 2 spf. 8166-8182, 8188-8220, 8244-8254, 8259-8270, 8404-8414, 8421-8423, 8428-8438, 8558-8564, 8578-8648.
01/20/04 Set pkr @ 8500'. Acidize perfs 8558-88648 w/ 15,200 gals 20% HCl. Move RBP to 8500', pull pkr to 8350 and set. Acidize 8404-8438 w/4400 gals 20% HCl. Move RBP to 8300' and set pkt @8100'. Acidize 8160-8270 w/13,800 gals 20% HCl.

33. Circle enclosed attachments:

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

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

Electronic Submission #28146 Verified by the BLM Well Information System.
For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad

Name (please print) LINDA GUTHRIE Title OPERATIONS ASSOCIATE

Signature _____ (Electronic Submission) Date 03/08/2004

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.

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Additional data for transaction #28146 that would not fit on the form

32. Additional remarks, continued

01/22/04 RIH w/REDA 456 pump.

01/23/04 Turn well to production.

WELL NAME AND NUMBER Nagooltee Peak 5-6Y
LOCATION 630' FNL & 1896' FEL, Section 5, T22S, R24E, Eddy Co. NM
OPERATOR Devon Energy Production Co., L.P.
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>3/4° 472'</u>	<u> </u>	<u> </u>
<u>3/4° 991'</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
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Drilling Contractor United Drilling, Inc.
By: George A. Aho
Title: Business Manager

Subscribed and sworn to before me this 26th day of November,
2003.

Carlene Martin
Notary Public

My Commission Expires: 10-04-04 Chaves New Mexico
County State

OPERATOR: DEVON ENERGY PRODUCTION CO. LP
WELL/LEASE: NAGOOLTEE PEAK 5 FED. COM. 6 Y
COUNTY: EDDY

005-0028

STATE OF NEW MEXICO
DEVIATION REPORT

1,760	1
1,991	1/2
2,494	3/4
2,746	1/2
2,996	3/4
3,249	2
3,342	2 1/2
3,437	1 1/4
3,531	3/4
3,688	3/4
3,838	1/2
3,973	1 1/4

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By: *Steve Moore*

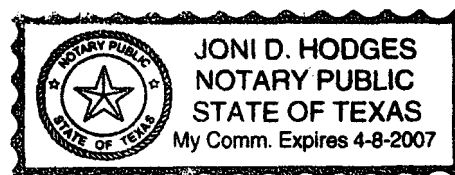
STATE OF TEXAS

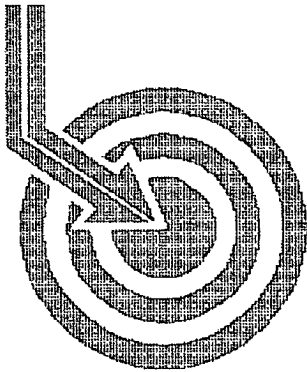
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 5th day of January, 2004, by
Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007





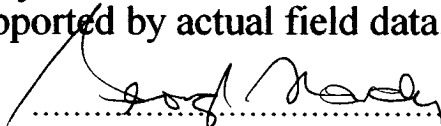
Scientific Drilling

DEVON ENERGY

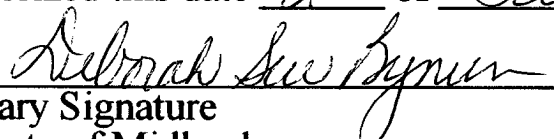
Field: Indian Basin
Site: Eddy County, NM
Well: Nagooltee Peak 5 Fed. Com. #6Y
Wellpath: VH - Job #32K1203659
Survey: 12/14/03

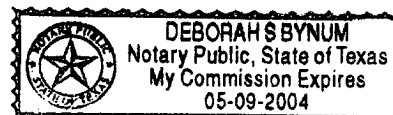
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This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Company Representative

Notorized this date 2nd of February, 2004.


Notary Signature
County of Midland
State of Texas



Scientific Drilling Survey Report

Company: DEVON ENERGY Field: Indian Basin Site: Eddy County, NM Well: Nagooltee Peak 5 Fed. Com. #6Y Wellpath: VH - Job #32K1203659	Date: 1/26/2004 Time: 15:29:49 Page: 1 Co-ordinate(NE) Reference: Site: Eddy County, NM, True North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,137.36Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey: 12/14/03 KSRG 0'-4066' Company: Scientific Drilling Tool: Keeper, Keeper Gyro	Start Date: 12/14/2003 Engineer: Angel Guebara Tied-to: From Surface
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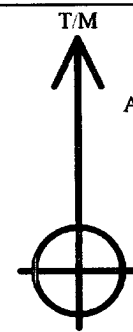
Survey

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	0.31	204.06	100.0	0.1	-0.2	-0.1	0.31	0.3	204.06
200.0	0.58	215.89	200.0	0.3	-0.9	-0.5	0.28	1.0	209.78
300.0	1.39	241.31	300.0	0.1	-1.9	-1.9	0.90	2.7	224.72
400.0	1.51	231.52	399.9	-0.3	-3.3	-4.0	0.27	5.2	230.30
500.0	1.38	236.68	499.9	-0.6	-4.8	-6.0	0.18	7.7	231.51
600.0	1.37	213.24	599.9	-0.5	-6.4	-7.7	0.56	10.0	229.99
700.0	1.02	205.32	699.9	0.2	-8.2	-8.7	0.39	12.0	226.56
800.0	0.95	217.24	799.9	0.6	-9.7	-9.6	0.22	13.6	224.65
900.0	0.67	207.78	899.8	1.0	-10.9	-10.4	0.31	15.0	223.59
1000.0	0.72	225.54	999.8	1.2	-11.8	-11.1	0.22	16.2	223.10
1100.0	0.73	206.42	1099.8	1.5	-12.9	-11.8	0.24	17.5	222.59
1200.0	0.17	235.14	1199.8	1.7	-13.5	-12.2	0.59	18.2	222.14
1300.0	0.90	250.51	1299.8	1.3	-13.9	-13.1	0.74	19.1	223.36
1400.0	0.45	248.38	1399.8	0.9	-14.3	-14.2	0.45	20.1	224.85
1500.0	0.53	258.17	1499.8	0.5	-14.5	-15.0	0.12	20.9	225.98
1600.0	0.42	195.58	1599.8	0.5	-15.0	-15.6	0.50	21.6	226.14
1700.0	0.54	191.00	1699.8	0.9	-15.8	-15.7	0.13	22.3	224.96
1800.0	0.66	182.12	1799.8	1.6	-16.8	-15.9	0.15	23.1	223.34
1900.0	0.51	185.69	1899.8	2.3	-17.8	-15.9	0.15	23.9	221.78
2000.0	0.45	201.52	1999.8	2.8	-18.6	-16.1	0.14	24.6	220.85
2100.0	0.36	220.80	2099.8	3.0	-19.2	-16.5	0.16	25.3	220.56
2200.0	0.52	248.25	2199.8	2.9	-19.6	-17.1	0.26	26.0	221.03
2300.0	0.97	260.20	2299.8	2.3	-20.0	-18.3	0.47	27.1	222.59
2400.0	1.21	267.40	2399.8	1.1	-20.1	-20.2	0.28	28.6	225.12
2500.0	1.24	266.98	2499.7	-0.3	-20.3	-22.4	0.03	30.2	227.85
2600.0	1.31	271.64	2599.7	-1.7	-20.3	-24.6	0.13	31.9	230.50
2700.0	1.09	262.55	2699.7	-3.1	-20.4	-26.7	0.29	33.6	232.64
2800.0	0.86	264.11	2799.7	-4.1	-20.6	-28.4	0.23	35.0	234.06
2900.0	0.93	268.67	2899.7	-5.1	-20.7	-29.9	0.10	36.4	235.38
3000.0	1.01	277.63	2999.6	-6.3	-20.6	-31.6	0.17	37.7	236.95
3100.0	0.96	291.06	3099.6	-7.7	-20.1	-33.3	0.24	38.9	238.80
3200.0	1.01	298.17	3199.6	-9.3	-19.4	-34.8	0.13	39.9	240.84
3300.0	1.15	299.78	3299.6	-11.1	-18.5	-36.5	0.14	40.9	243.09
3400.0	1.20	295.89	3399.6	-13.0	-17.6	-38.3	0.09	42.1	245.36
3500.0	1.06	264.56	3499.6	-14.6	-17.2	-40.1	0.62	43.7	246.82
3600.0	0.74	279.13	3599.5	-15.6	-17.2	-41.7	0.39	45.1	247.62
3700.0	0.74	274.14	3699.5	-16.6	-17.0	-43.0	0.06	46.2	248.39
3800.0	0.95	275.70	3799.5	-17.7	-16.9	-44.5	0.21	47.6	249.19
3900.0	1.00	268.75	3899.5	-18.9	-16.8	-46.2	0.13	49.1	249.96
4000.0	1.31	272.41	3999.5	-20.3	-16.8	-48.2	0.32	51.0	250.77
4066.0	1.74	275.07	4065.5	-21.5	-16.7	-49.9	0.66	52.6	251.52



**Scientific
Drilling**

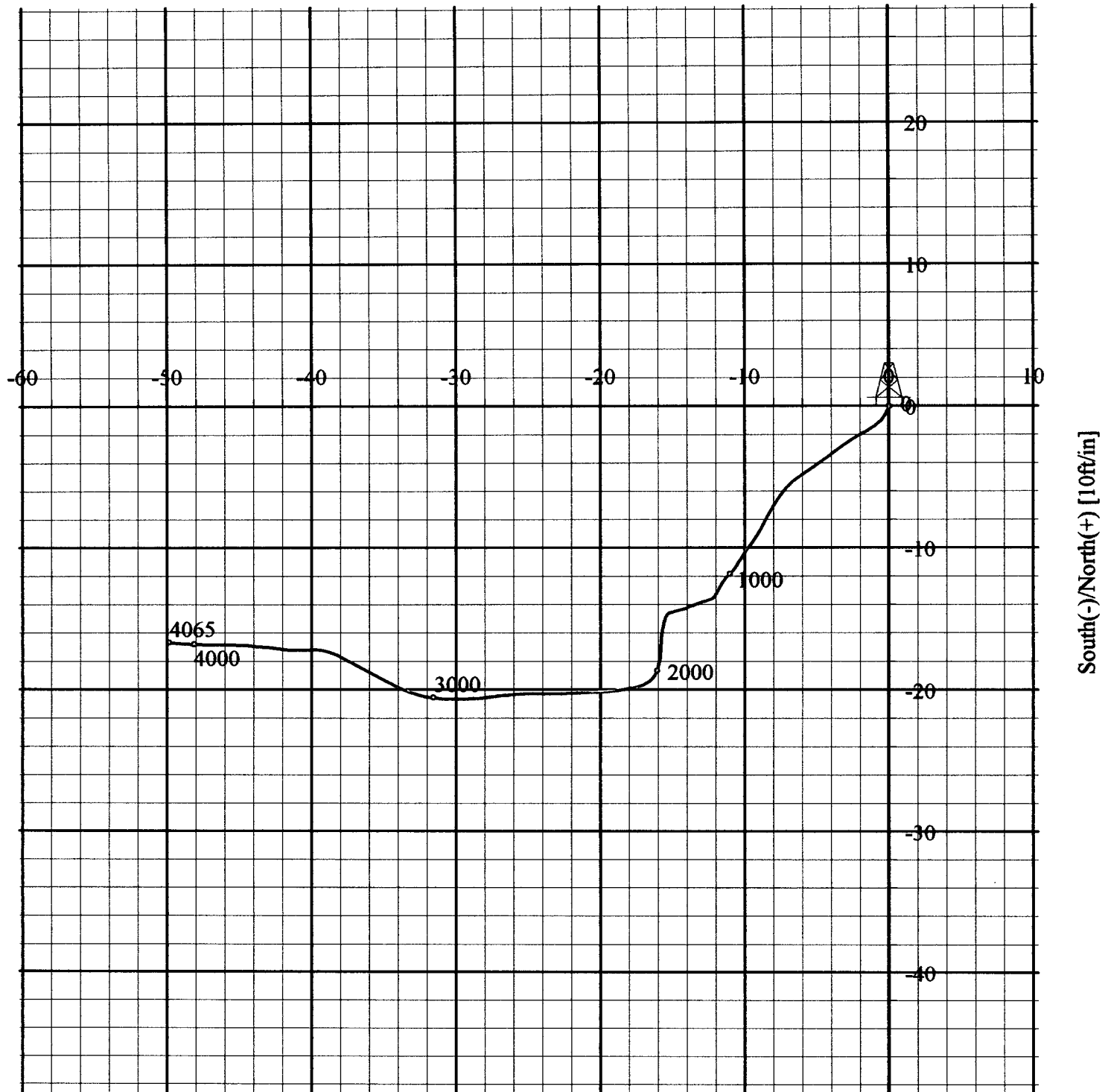
Field: Indian Basin
Site: Eddy County, NM
Well: Nagooltee Peak 5 Fed. Com. #6Y
Wellpath: VH - Job #32K1203659
Survey: 12/14/03



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 1/26/2004
Model: Wmm_95

West(-)/East(+) [10ft/in]



Quantum Drilling Motors

Survey Report

Company: Devon Energy	Date: 12/31/2003	Time: 09:35:09	Page: 1
Field: Indian Basin	Co-ordinate(NE) Reference: Site: Nagooltee Peak 5 #6, True North		
Site: Nagooltee Peak 5 #6	Vertical (TVD) Reference: SITE 0.0		
Well: Federal Com. #6	Section (VS) Reference: Well (0.00N,0.00E,137.36Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: Indian Basin Eddy County, New Mexico USA	Map Zone: New Mexico, Eastern Zone
Map System: US State Plane Coordinate System 1927	Coordinate System: Site Centre
Geo Datum: NAD27 (Clarke 1866)	Geomagnetic Model: igrf2000
Sys Datum: Mean Sea Level	

Site: Nagooltee Peak 5 #6

Site Position:	Northing:	ft	Latitude:	
From: Lease Line	Easting:	ft	Longitude:	
Position Uncertainty: 0.00 ft			North Reference: True	
Ground Level: 4250.00 ft			Grid Convergence: -0.10 deg	

Well: Federal Com. #6	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 25 35.243 N
+E/-W 0.00 ft	Longitude: 104 31 1.372 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 7/7/2003	Above System Datum: Mean Sea Level
Field Strength: 49566 nT	Declination: 9.10 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.45 deg
ft	+E/-W Direction
	ft deg
0.00	0.00 0.00 137.36

Survey: Survey #1	Start Date: 12/18/2003
Company: Quantum Drilling Motors	Engineer: Jeff Shoop
Tool: MWD,	Tied-to: User Defined

Survey: Survey #1

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4066.00	1.74	275.07	4065.46	-16.88	-49.92	-21.40	0.00	0.00	0.00	MWD
4134.00	2.00	281.80	4133.42	-16.55	-52.11	-23.12	0.50	0.38	9.90	MWD
4150.00	1.92	273.19	4149.41	-16.47	-52.65	-23.54	1.90	-0.49	-53.84	KOP @ 4150' MD
4150.59	1.92	272.86	4150.00	-16.47	-52.67	-23.56	1.90	-0.35	-55.90	Begin Build @ 1.5"/100'
4228.00	2.20	231.60	4227.37	-17.33	-55.13	-24.59	1.90	0.36	-53.30	MWD
4322.00	3.60	218.50	4321.25	-20.76	-58.38	-24.27	1.64	1.49	-13.94	MWD
4417.00	5.00	188.40	4415.99	-27.19	-60.84	-21.21	2.75	1.47	-31.68	MWD
4480.00	6.00	171.10	4478.70	-33.16	-60.73	-16.74	3.06	1.59	-27.46	MWD
4543.00	7.40	157.40	4541.27	-40.16	-58.67	-10.19	3.36	2.22	-21.75	MWD
4607.00	7.70	141.70	4604.73	-47.33	-54.42	-2.04	3.25	0.47	-24.53	MWD
4671.00	8.20	128.80	4668.12	-53.56	-48.21	6.74	2.89	0.78	-20.16	MWD
4734.00	9.20	128.00	4730.39	-59.47	-40.74	16.16	1.60	1.59	-1.27	MWD
4797.00	10.20	130.40	4792.49	-66.19	-32.52	26.66	1.71	1.59	3.81	MWD
4860.00	11.00	131.20	4854.41	-73.76	-23.75	38.18	1.29	1.27	1.27	MWD
4892.00	11.00	131.20	4885.83	-77.79	-19.16	44.25	0.00	0.00	0.00	MWD
4953.00	11.80	131.20	4945.62	-85.73	-10.09	56.23	1.31	1.31	0.00	MWD
5017.00	13.70	131.30	5008.04	-95.04	0.53	70.28	2.97	2.97	0.16	MWD
5080.00	14.80	132.60	5069.10	-105.41	12.06	85.72	1.82	1.75	2.06	MWD
5141.00	15.70	132.60	5127.95	-116.27	23.87	101.71	1.48	1.48	0.00	MWD
5205.00	17.20	131.70	5189.33	-128.43	37.31	119.75	2.38	2.34	-1.41	MWD
5268.00	18.60	131.30	5249.28	-141.26	51.82	139.01	2.23	2.22	-0.63	MWD
5330.00	20.20	131.80	5307.76	-154.92	67.22	159.50	2.59	2.58	0.81	MWD
5391.00	21.70	132.20	5364.72	-169.51	83.43	181.22	2.47	2.46	0.66	MWD
5454.00	23.20	132.10	5422.95	-185.66	101.27	205.17	2.38	2.38	-0.16	MWD

Quantum Drilling Motors

Survey Report

Company: Devon Energy	Date: 12/31/2003	Time: 09:35:09	Page: 2
Field: Indian Basin	Co-ordinate(N/E) Reference:	Site: Nagooltee Peak 5 #6, True North	
Site: Nagooltee Peak 5 #6	Vertical (TVD) Reference:	SITE 0.0	
Well: Federal Com. #6	Section (VS) Reference:	Well (0.00N,0.00E,137.36Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Survey #1

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5517.00	25.40	131.80	5480.36	-202.99	120.55	230.98	3.50	3.49	-0.48	MWD
5612.00	26.50	131.00	5565.78	-230.47	151.73	272.33	1.22	1.16	-0.84	MWD
5705.00	27.80	129.90	5648.53	-258.00	184.03	314.45	1.50	1.40	-1.18	MWD
5768.00	27.70	130.20	5704.29	-276.87	206.49	343.55	0.27	-0.16	0.48	MWD
5831.00	27.40	130.50	5760.15	-295.74	228.69	372.47	0.52	-0.48	0.48	MWD
5894.00	26.40	131.40	5816.33	-314.41	250.22	400.79	1.71	-1.59	1.43	MWD
5958.00	26.60	130.40	5873.60	-333.11	271.81	429.16	0.76	0.31	-1.56	MWD
6053.00	27.20	130.20	5958.32	-360.91	304.59	471.82	0.64	0.63	-0.21	MWD
6053.25	27.20	130.20	5958.55	-360.98	304.68	471.93	1.14	0.93	1.43	End of Build
6117.00	27.80	131.10	6015.09	-380.16	327.01	501.17	1.14	0.94	1.41	MWD
6167.00	27.50	135.30	6059.39	-396.03	343.92	524.30	3.94	-0.60	8.40	MWD
6250.00	28.20	134.50	6132.77	-423.40	371.38	563.03	0.96	0.84	-0.96	MWD
6314.00	28.80	133.90	6189.02	-444.69	393.28	593.53	1.04	0.94	-0.94	MWD
6377.00	28.80	133.00	6244.23	-465.56	415.31	623.80	0.69	0.00	-1.43	MWD
6439.00	29.00	131.50	6298.51	-485.70	437.49	653.65	1.21	0.32	-2.42	MWD
6500.00	29.10	132.10	6351.83	-505.45	459.57	683.13	0.50	0.16	0.98	MWD
6562.00	29.10	133.80	6406.01	-525.99	481.64	713.19	1.33	0.00	2.74	MWD
6626.00	29.50	134.40	6461.82	-547.79	504.13	744.46	0.78	0.62	0.94	MWD
6721.00	28.80	134.10	6544.79	-580.08	537.27	790.66	0.75	-0.74	-0.32	MWD
6784.00	29.40	134.10	6599.83	-601.40	559.28	821.25	0.95	0.95	0.00	MWD
6845.00	29.90	134.50	6652.85	-622.48	580.87	851.38	0.88	0.82	0.66	MWD
6907.00	30.70	134.20	6706.38	-644.34	603.24	882.62	1.31	1.29	-0.48	MWD
7002.00	31.00	134.60	6787.93	-678.43	638.05	931.27	0.38	0.32	0.42	MWD
7065.00	31.50	134.20	6841.79	-701.29	661.40	963.91	0.86	0.79	-0.63	MWD
7127.00	31.50	132.40	6894.66	-723.51	684.97	996.22	1.52	0.00	-2.90	MWD
7190.00	31.30	132.00	6948.43	-745.56	709.29	1028.91	0.46	-0.32	-0.63	MWD
7250.29	31.11	131.34	7000.00	-766.32	732.62	1059.99	0.65	-0.31	-1.09	Average Angle 27.76°
7254.00	31.10	131.30	7003.18	-767.59	734.06	1061.90	0.65	-0.31	-1.10	MWD
7316.00	31.70	132.50	7056.10	-789.16	758.10	1094.05	1.40	0.97	1.94	MWD
7378.00	31.30	134.50	7108.96	-811.46	781.60	1126.37	1.80	-0.65	3.23	MWD
7441.00	32.60	134.50	7162.42	-834.82	805.37	1159.67	2.06	2.06	0.00	MWD
7535.00	32.10	136.20	7241.83	-870.60	840.72	1209.93	1.10	-0.53	1.81	MWD
7598.00	31.90	138.80	7295.26	-895.21	863.27	1243.31	2.21	-0.32	4.13	MWD
7636.29	30.54	139.31	7328.00	-910.19	876.28	1263.14	3.63	-3.56	1.33	Wolfcamp @ 7328' TVD
7657.00	29.80	139.60	7345.91	-918.10	883.05	1273.54	3.63	-3.56	1.41	MWD
7721.00	26.90	141.50	7402.23	-941.55	902.37	1303.88	4.74	-4.53	2.97	MWD
7783.00	24.50	143.10	7458.09	-962.81	918.82	1330.67	4.03	-3.87	2.58	MWD
7846.00	24.10	142.60	7515.51	-983.47	934.48	1356.47	0.71	-0.63	-0.79	MWD
7909.00	24.00	140.90	7573.04	-1003.64	950.37	1382.07	1.11	-0.16	-2.70	MWD
7972.00	23.40	140.30	7630.73	-1023.20	966.44	1407.35	1.03	-0.95	-0.95	MWD
8066.00	21.20	140.00	7717.69	-1050.59	989.30	1442.98	2.34	-2.34	-0.32	MWD
8161.00	18.30	140.80	7807.09	-1075.31	1009.77	1475.03	3.07	-3.05	0.84	MWD
8186.16	18.09	140.50	7831.00	-1081.39	1014.75	1482.87	0.92	-0.84	-1.21	Top Dolomite @ 7831' TVD
8257.00	17.50	139.60	7898.45	-1097.98	1028.65	1504.50	0.92	-0.83	-1.26	MWD
8351.00	18.00	137.40	7987.97	-1119.44	1047.64	1533.14	0.89	0.53	-2.34	MWD
8708.54	18.01	137.39	8328.00	-1200.79	1122.46	1643.67	0.00	0.00	0.00	Base Dolomite @ 8328' TVD
8836.83	18.02	137.39	8450.00	-1230.00	1149.32	1683.35	0.00	0.00	0.00	Total Depth @ 8450' TVD
8840.00	18.02	137.39	8453.01	-1230.72	1149.99	1684.34	0.01	0.01	0.00	MWD

Quantum Drilling Motors

Survey Report

Company: Devon Energy	Date: 12/31/2003	Time: 09:35:09	Page: 3
Field: Indian Basin	Co-ordinate(N/E) Reference:	Site: Nagooltee Peak 5 #6, True North	
Site: Nagooltee Peak 5 #6	Vertical (TVD) Reference:	SITE 0.0	
Well: Federal Com. #6	Section (VS) Reference:	Well (0.00N,0.00E,137.36Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
7636.29	7328.00	Wolfcamp @ 7328' TVD		0.00	0.00
8186.16	7831.00	Top Dolomite @ 7831' TVD		0.00	0.00
8708.54	8328.00	Base Dolomite @ 8328' TVD		0.00	0.00
8836.83	8450.00	Total Depth @ 8450' TVD		0.00	0.00

Annotation

MD ft	TVD ft	
4150.00	4149.41	KOP @ 4150' MD
4150.59	4150.00	Begin Build @ 1.5°/100'
6053.25	5958.55	End of Build
7250.29	7000.00	Average Angle 27.76°