

Operator: XTO Energy
Well/Lease: Nash 44H
County: Eddy

STATE OF NEW MEXICO
DEVIATION REPORT

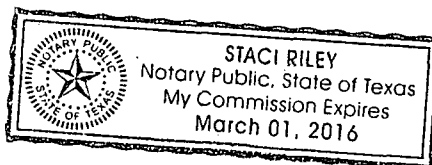
15-42195

<u>Footage</u>	<u>Degree</u>
151	1.00
334	0.25
1077	0.50
1549	0.50
1928	1.00
2397	1.75
2587	3.50
2868	3.50
3057	2.25
3534	1.00
3911	1.25
4290	0.25
4759	0.75
5138	0.75
5517	1.00
6025	2.03
6088	8.61

Signed By: Charles Walsh
Charles Walsh, Division Manager
Pioneer Energy Services

Appeared before me on Oct. 29, 2014.

Staci Riley
Notary Public



REC'D / MIDLAND
OCT 08 2014



September 25, 2014

XTO Energy
200 N. Lorraine, Ste 800
Midland, Texas 79707

Attn: Chip Amrock

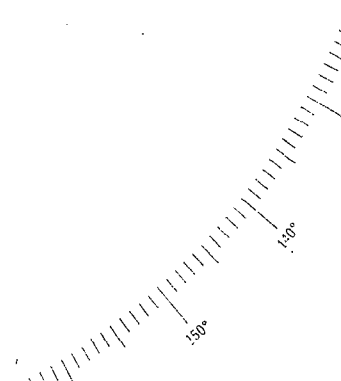
Re: **Nash Unit No. 044H**

Please find enclosed a copy of the survey from 0.00' to 5940.00' ran on the above mentioned well.

If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations



XTOENERGY

Company: XTO Energy
Lease/Well: Nash Unit /No. 044H

Location: Sec18 T23S R30E

Rig Name: Pioneer 33

State/County: New Mexico/Eddy

Latitude: 32.31, Longitude: -103.93

GRID North is 0.22 Degrees East of True North

VS-Azi: 0.00 Degrees



Depth Reference : RKB = 17 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: nash unit #44h-de_01.ut

Minimum Curvature Method

Report Date/Time: 9/25/2014 / 09:37

VES Surey International

West Texas

(432) 563-5444

Surveyor: Chris Bankson

Nash Unit No. 044H / API 30-015-42195

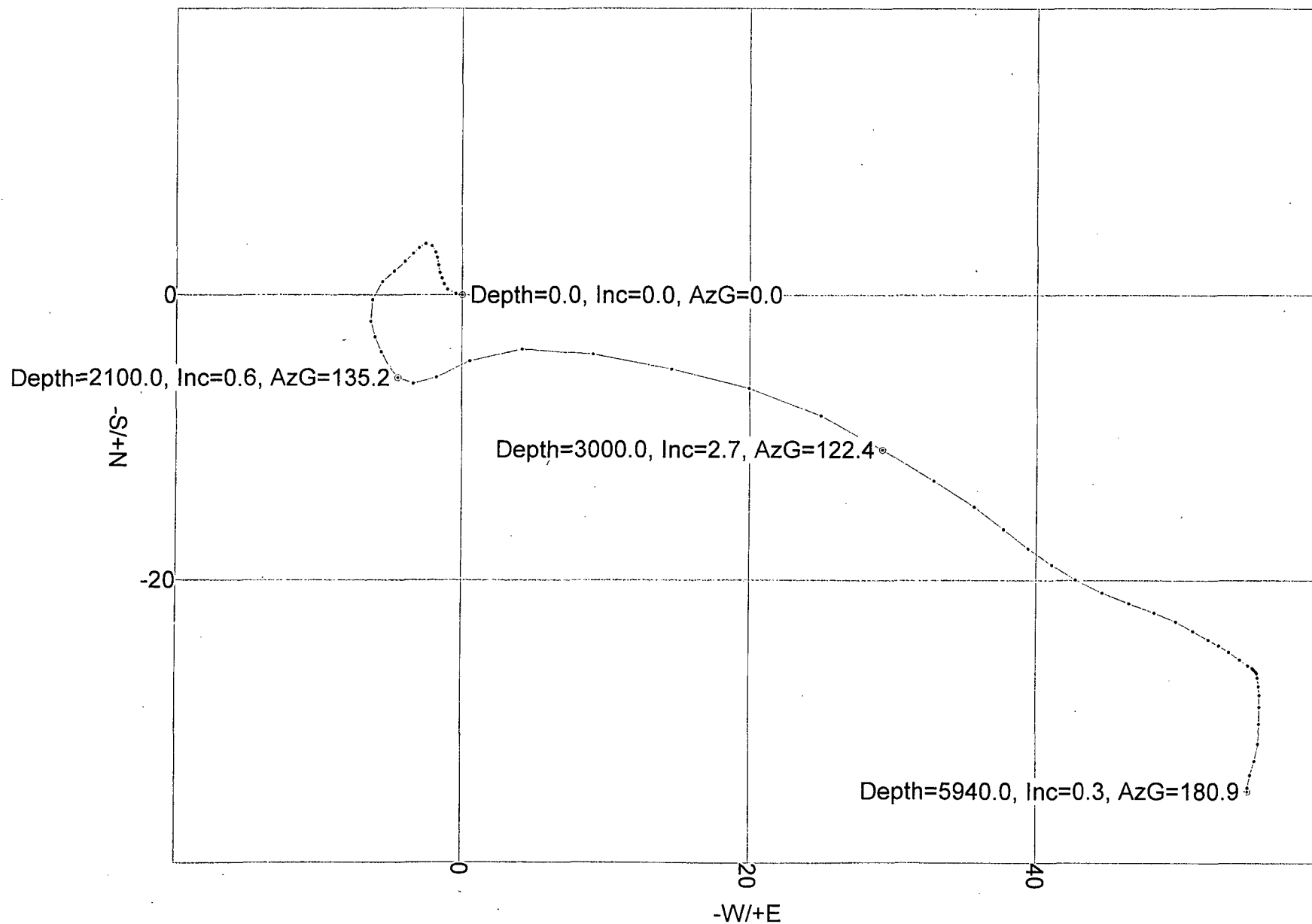
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.55	282.59	100.00	0.10	-0.47	0.10	0.48	282.59	0.55
200.00	0.28	319.20	200.00	0.39	-1.09	0.39	1.16	289.75	0.36
300.00	0.23	337.43	299.99	0.76	-1.33	0.76	1.53	299.87	0.09
400.00	0.26	344.65	399.99	1.17	-1.46	1.17	1.87	308.54	0.04
500.00	0.21	337.82	499.99	1.56	-1.59	1.56	2.23	314.30	0.05
600.00	0.41	352.70	599.99	2.08	-1.71	2.08	2.69	320.59	0.21
700.00	0.22	346.88	699.99	2.62	-1.80	2.62	3.18	325.55	0.19
800.00	0.22	337.87	799.99	2.99	-1.91	2.99	3.55	327.36	0.03
900.00	0.37	329.24	899.99	3.44	-2.15	3.44	4.06	328.00	0.15
1000.00	0.35	244.89	999.99	3.59	-2.59	3.59	4.43	324.14	0.48
1100.00	0.30	232.30	1099.99	3.29	-3.08	3.29	4.51	316.92	0.09
1200.00	0.35	219.61	1199.98	2.90	-3.49	2.90	4.53	309.72	0.09
1300.00	0.58	229.96	1299.98	2.33	-4.07	2.33	4.69	299.82	0.24
1400.00	0.58	225.75	1399.97	1.65	-4.82	1.65	5.10	288.90	0.04
1500.00	0.69	230.59	1499.97	0.91	-5.65	0.91	5.73	279.18	0.12
1600.00	1.04	194.74	1599.96	-0.35	-6.35	-0.35	6.36	266.88	0.63
1700.00	0.74	168.20	1699.95	-1.85	-6.45	-1.85	6.71	253.97	0.50
1800.00	0.54	159.75	1799.94	-2.93	-6.15	-2.93	6.81	244.56	0.22

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.76	154.35	1899.93	-3.97	-5.70	-3.97	6.95	235.16	0.23
2000.00	0.56	149.18	1999.93	-4.99	-5.17	-4.99	7.18	226.02	0.21
2100.00	0.63	135.18	2099.92	-5.80	-4.53	-5.80	7.35	218.00	0.16
2200.00	0.79	91.00	2199.91	-6.20	-3.45	-6.20	7.09	209.08	0.56
2300.00	1.20	64.83	2299.90	-5.76	-1.81	-5.76	6.04	197.40	0.60
2400.00	1.80	63.38	2399.86	-4.62	0.55	-4.62	4.65	173.26	0.59
2500.00	2.57	86.89	2499.79	-3.79	4.19	-3.79	5.65	132.16	1.17
2600.00	3.14	99.90	2599.67	-4.14	9.13	-4.14	10.02	114.41	0.86
2700.00	3.22	101.87	2699.52	-5.19	14.57	-5.19	15.46	109.60	0.13
2800.00	3.16	105.96	2799.36	-6.52	19.97	-6.52	21.00	108.10	0.23
2900.00	3.00	116.05	2899.22	-8.43	24.97	-8.43	26.35	108.66	0.57
3000.00	2.67	122.35	2999.10	-10.83	29.29	-10.83	31.22	110.29	0.45
3100.00	2.14	121.37	3099.01	-13.05	32.85	-13.05	35.35	111.66	0.53
3200.00	1.70	124.89	3198.95	-14.87	35.66	-14.87	38.63	112.63	0.46
3300.00	1.28	130.59	3298.92	-16.44	37.72	-16.44	41.15	113.55	0.44
3400.00	1.22	125.77	3398.89	-17.79	39.44	-17.79	43.26	114.28	0.12
3500.00	1.09	123.65	3498.87	-18.94	41.09	-18.94	45.24	114.74	0.14
3600.00	1.13	120.45	3598.85	-19.96	42.73	-19.96	47.16	115.04	0.08
3700.00	1.29	111.10	3698.83	-20.87	44.63	-20.87	49.27	115.06	0.25
3800.00	1.01	112.24	3798.81	-21.61	46.50	-21.61	51.27	114.93	0.29
3900.00	1.16	108.07	3898.79	-22.26	48.28	-22.26	53.16	114.75	0.18
4000.00	0.71	119.78	3998.78	-22.88	49.78	-22.88	54.79	114.68	0.49
4100.00	0.83	119.15	4098.77	-23.54	50.95	-23.54	56.12	114.80	0.12
4200.00	0.60	117.72	4198.76	-24.13	52.05	-24.13	57.37	114.88	0.23
4300.00	0.37	121.22	4298.76	-24.55	52.79	-24.55	58.22	114.94	0.23
4400.00	0.57	124.67	4398.76	-25.00	53.47	-25.00	59.03	115.06	0.20
4500.00	0.52	125.89	4498.75	-25.55	54.25	-25.55	59.97	115.22	0.05
4600.00	0.31	123.58	4598.75	-25.96	54.84	-25.96	60.68	115.33	0.21
4700.00	0.08	125.81	4698.75	-26.15	55.12	-26.15	61.01	115.38	0.24
4800.00	0.11	131.23	4798.75	-26.25	55.25	-26.25	61.17	115.42	0.03
4900.00	0.12	141.19	4898.75	-26.40	55.39	-26.40	61.36	115.48	0.03
5000.00	0.03	151.55	4998.75	-26.50	55.46	-26.50	61.47	115.54	0.10
5100.00	0.33	175.24	5098.75	-26.81	55.50	-26.81	61.64	115.78	0.30
5200.00	0.37	171.02	5198.74	-27.41	55.57	-27.41	61.97	116.25	0.05
5300.00	0.35	176.87	5298.74	-28.03	55.64	-28.03	62.30	116.74	0.04
5400.00	0.60	181.45	5398.74	-28.86	55.64	-28.86	62.68	117.41	0.26
5500.00	0.78	180.52	5498.73	-30.06	55.62	-30.06	63.23	118.39	0.18
5600.00	0.85	187.64	5598.72	-31.48	55.52	-31.48	63.82	119.55	0.12
5700.00	0.63	195.50	5698.71	-32.74	55.27	-32.74	64.24	120.64	0.24

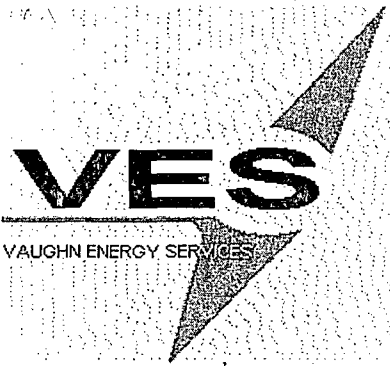
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	0.61	197.02	5798.71	-33.78	54.97	-33.78	64.52	121.57	0.03
5900.00	0.41	183.30	5898.70	-34.64	54.80	-34.64	64.83	122.30	0.23
5940.00	0.35	180.93	5938.70	-34.90	54.79	-34.90	64.96	122.50	0.16

XTOENERGY

VES Surey International
West Texas
(432) 563-5444
Surveyor: Chris Bankson
Nash Unit No. 044H / API 30-015-42195

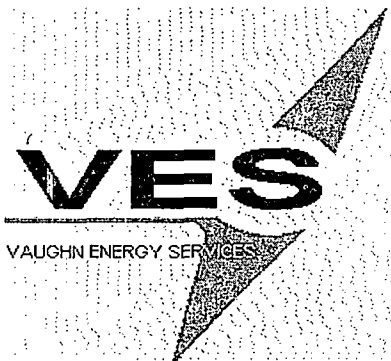


VES Survey Date: 09/02/2014



I Chris Bankson certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 09/02/14 through 09/02/14 conduct or supervise the taking of a Rate Gyro survey from a depth of 0 feet to a depth of 5940 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy for the Nash Unit Well # #44H API # 30-015-42195 in Eddy County / Parish New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Vaughn Energy Services

Chris Bankson
Service Technician
Vaughn Energy Services



I, Chris Bankson certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 09/02/14 through 09/02/14 conduct or supervise the taking of a Rate Gyro survey from a depth of 0 feet to a depth of 5940 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy for the Nash Unit Well # #44H API # 30-015-42195 in Eddy County / Parish New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Vaughn Energy Services

Chris Bankson
Service Technician
Vaughn Energy Services

HALLIBURTON

3950 Interwood South Pkwy Houston, TX 77032
Phone 281-986-4416 Fax 281-986-4499

November 12, 2014

XTO ENERGY

Attn: Stephanie Rabadue
200 N. Loraine Street, Ste 800
Midland, TX 79701

Final Survey for:

Well Name: Nash Unit 44H
County: Eddy County, NM
Rig Name: Pioneer 33
Sperry Job #: 901581256

Stephanie Rabadue

Enclosed you will find the following survey information on the above referenced well:

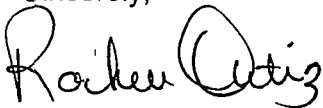
- 0 *Survey Report(s)*
- 0 *MWD End of Well Report(s)*
- 2 **Certified Letters for New Mexico OCD**

We appreciate the opportunity to serve you and welcome any comments or suggestions that you may have regarding our service. You may contact your local sales representative, **Don King @ 713-553-8649**

Should you have any questions or require additional information regarding the enclosed information, please do not hesitate to contact me at (281) 986-4416.

Once again, we thank you for your business.

Sincerely,



Rachell Ortiz
Sperry Drilling Services

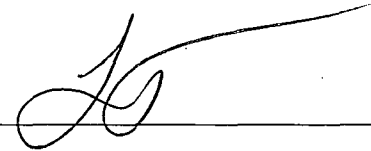
HALLIBURTON

3950 Interwood S. Pkwy • Houston, TX 77032

PHONE 281.986.4400 • FAX 281.986.4499

State of New Mexico, Eddy County

I, Logan Tucker, certify that I am employed by Halliburton Energy Services, Inc. (AKA Sperry Drilling) and that on the dates of September 1, 2014 through September 25, 2014, I did conduct or supervise the taking of a DGWD Directional Survey for Nash Unit 44H from a depth of 6025' MD to a depth of 17535' MD. This data is true, correct, complete and within the limitations of the tools as set forth by Halliburton Energy Services, Inc. (AKA Sperry Drilling). I am authorized and qualified to make this report and this survey was conducted at the request of XTO Energy Inc for the Nash Unit 44H API No. 30-015-42195-0000 Well in Eddy County, NM. I have reviewed this report and find that it conforms to the principles and procedures as set forth by Halliburton Energy Services, Inc. (AKA Sperry Drilling).



Logan Tucker
Field Engineer