

Schlumberger

Anadrill

MDC Operations
9900 West Interstate 20
Midland, Texas 79706
Phone (915) 563-3057
Fax (915) 563-3059

State of Texas
County of Midland

I, Rick Mast, certify that; I am employed by Anadrill, a division of Schlumberger Technology Corporation; that I did on the day's of 6/22/99 through 6/25/99 conduct or supervise the taking of MWD surveys from a depth of 324 feet to a depth of 2750 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Anadrill, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Cross Timbers Operating Company, for the Ute Mountain Tribal J #6 API # 30-045-29867, in San Jaun County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Anadrill, a division of Schlumberger Technology Corporation.

Rick Mast

Rick Mast,
MWD I

RECEIVED
JUL - 8 1999
OIL CON. DIV.
DIST. 3

M - 1 - 31N - 14W

MDC Operations
9900 West Interstate 20
Midland, Texas 79706
Phone (915) 563-3057
Fax (915) 563-3059

RECEIVED
JUL - 8 1999
OIL CON. DIV.
DIST. 3

June 28, 1999

Oil Conservation Division
District I
P.O. Box 1960
Hobbs, New Mexico 88241-1960

Re: Cross Timbers Operating Company
UTE Mountain Tribal J#6
Section 1, T31N, R14W Unit M
San Juan County, New Mexico
API # 30-045-29867

Enclosed, please find the original and one copy of the survey performed on the referenced well by Anadrill, a division of Schlumberger Technology Corporation. Other information required by your office is as follows:

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Rick Mast MWD I	#01	323' to 2750'	6/22/99 - 6/25/99	MWD/D&I

A certified plat on which the bottom hole is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

Rick Mast

Randall Taylor

Randall Taylor
MWD Coordinator

Cc: Cross Timbers Operating Company

Enclosures: 2

Survey

Client: Cross Timbers Operation Company Field: San Juan County, NM Structure: Ute Mountain Tribal J #6 Well: Ute Mountain Tribal J #6 Borehole: Ute Mountain Tribal J #6 UWI/API#: 30-045-29867 Date: July 01, 1999 Grid Convergence: -0.26044733° Scale Factor: 0.99993504 Location: N 36 55 26.064, W 108 16 0.704 : N 2155855.300 ftUS, E 373276.600 ftUS Coordinate System: NAD27 New Mexico State Planes, Western Zone, US Feet	Survey Computation Method: Minimum Curvature DLS Computation Method: Lubinski Vertical Section Azimuth: 0.000° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference: 6010.0 ft above Magnetic Declination: 11.567° Total Field Strength: 51878.849 nT Dip: 63.842° Declination Date: July 01, 1999 Magnetic Declination Model: BGGM 1999 North Reference: Grid North Coordinate Reference To: Structure Reference Point
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Station ID	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N/S (ft)	E/W (ft)	Closure (ft)	at Azim (°)	DLS (°/100ft)	TF (°)
Tie-In	323.00	1.10	32.30	322.98	2.62	2.62	1.66	0.95	32.30		39.1 M
	504.00	1.52	39.11	503.93	5.95	5.95	4.10	2.20	39.11	0.25	13.8 M
	688.00	3.01	13.79	687.79	12.54	12.54	6.79	4.35	13.79	0.96	6.0 M
	875.00	5.92	5.96	874.20	26.90	26.90	8.97	8.64	5.96	1.59	-68.8 G
	1061.00	6.04	3.19	1059.19	46.21	46.21	10.51	14.44	3.19	0.17	-105.4 G
	1249.00	6.01	2.11	1246.15	65.92	65.92	11.42	20.39	2.11	0.06	112.6 G
	1381.00	5.89	5.11	1377.44	79.57	79.57	12.28	24.54	5.11	0.25	22.2 G
	1445.00	6.49	7.26	1441.07	86.43	86.43	13.03	26.64	7.26	1.00	135.8 G
	1507.00	6.40	8.05	1502.68	93.33	93.33	13.95	28.76	8.05	0.20	34.3 G
	1539.00	6.62	9.34	1534.47	96.92	96.92	14.50	29.87	9.34	0.83	4.5 G
	1570.00	6.80	9.46	1565.26	100.49	100.49	15.09	30.97	9.46	0.58	148.8 G

1601.00	5.98	14.35	1596.06	103.86	103.86	15.80	32.02	14.35	3.17	-154.1 G
1633.00	5.00	8.75	1627.92	106.86	106.86	16.42	32.95	8.75	3.49	-169.2 G
1664.00	4.70	8.05	1658.81	109.45	109.45	16.80	33.75	8.05	0.99	17.8 M
1695.00	3.75	17.81	1689.72	111.67	111.67	17.29	34.44	17.81	3.83	29.8 M
1726.00	3.20	29.85	1720.67	113.39	113.39	18.03	35.00	29.85	2.94	35.5 M
1758.00	2.60	35.48	1752.62	114.75	114.75	18.90	35.45	35.48	2.07	20.0 M
1789.00	1.66	19.97	1783.60	115.75	115.75	19.46	35.78	19.97	3.53	10.2 M
1820.00	1.58	10.19	1814.59	116.59	116.59	19.69	36.04	10.19	0.93	2.5 M
1850.00	1.25	2.47	1844.58	117.33	117.33	19.78	36.27	2.47	1.27	15.8 M
1881.00	0.78	15.83	1875.58	117.87	117.87	19.85	36.43	15.83	1.69	81.2 M
1912.00	0.30	81.18	1906.57	118.08	118.08	19.99	36.50	81.18	2.29	155.3 M
1943.00	1.22	155.32	1937.57	117.79	117.79	20.20	36.43	155.32	3.79	152.9 M
1974.00	1.45	152.86	1968.56	117.14	117.14	20.52	36.25	152.86	0.76	152.9 M
2006.00	1.10	152.90	2000.56	116.51	116.51	20.85	36.08	152.90	1.09	156.4 M
2037.00	0.60	156.41	2031.55	116.10	116.10	21.05	35.96	156.41	1.62	-177.3 M
2069.00	1.37	182.70	2063.55	115.56	115.56	21.10	35.81	182.70	2.73	-171.8 M
2100.00	2.27	188.24	2094.53	114.58	114.58	20.99	35.51	188.24	2.95	-170.2 M
2130.00	2.47	189.79	2124.51	113.36	113.36	20.79	35.13	189.79	0.70	-171.7 M
2161.00	2.18	188.27	2155.48	112.12	112.12	20.60	34.75	188.27	0.96	-165.1 M
2192.00	1.84	194.87	2186.46	111.05	111.05	20.38	34.41	194.87	1.33	-159.8 M
2255.00	3.66	200.22	2249.39	108.19	108.19	19.43	33.50	200.22	2.91	-161.4 M
2285.00	4.30	198.60	2279.31	106.22	106.22	18.74	32.88	198.60	2.17	-162.8 M
2316.00	4.40	197.19	2310.22	103.99	103.99	18.02	32.17	197.19	0.47	-162.1 M
2346.00	4.30	197.90	2340.14	101.82	101.82	17.33	31.48	197.90	0.38	-167.5 M
2410.00	4.02	192.48	2403.97	97.34	97.34	16.11	30.07	192.48	0.75	-171.2 M
2472.00	3.60	188.76	2465.83	93.30	93.30	15.34	28.82	188.76	0.79	-169.8 M
2534.00	3.59	190.24	2527.71	89.46	89.46	14.70	27.63	190.24	0.15	-168.3 M
2596.00	3.67	191.66	2589.59	85.61	85.61	13.96	26.44	191.66	0.19	-166.4 M
2659.00	4.19	193.55	2652.44	81.40	81.40	13.01	25.12	193.55	0.85	-164.9 M
2712.00	4.32	195.05	2705.29	77.59	77.59	12.04	23.93	195.05	0.32	-164.9 M
2750.00	4.32	195.05	2743.18	74.82	74.82	11.29	23.06	195.05	0.00	---
Projection to T.D.										

District I
PO Box 1960, Hobbs, NM 88241-1960

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 86720	Pool Name UTE DOME DAKOTA
Property Code	Property Name UTE MOUNTAIN TRIBAL J	Well Number 6
DEED No. 157067	Operator Name CROSS TIMBERS OPERATING COMPANY	Elevation 5010

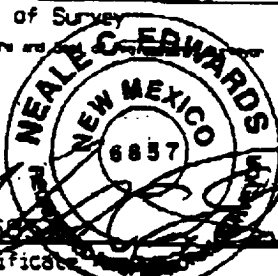
10 Surface Location

LA or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
M	1	31N	14W		450	SOUTH	500	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

LA or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
Distance across		Date of Int'l		Consolidation Code		Order No.			

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

2640.00'	1320.00'	1740.42'	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Gary L. Markestad Printed Name Vice-President / Production Title Date 12/21/98	
4	3	2		1
1323.96'	1320.00'	1320.00'		5
2640.00'	1320.00'	1320.00'		6
2640.00'	1320.00'	1684.32'	7	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. OCTOBER 22, 1998 Date of Survey  Signature  Certificate
2640.00'	1320.00'	1320.00'		

E. 1143
N. 73.73
300' K
450'