

Number: WTX-1200-D-308

State/Country: New Mex.

Company: Yates Petroleum

Declination: 9.7

Lease/Well: Patriot AIZ #10-H

Grid:

Location: Eddy, Co.

File name: C:\WINSERVE\YATES\PAT10H.SVY

Rig Name: UTI #165

Date/Time: 06-Jan-01 / 09:45

RKB:

Curve Name: WORK

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

**DAILEY INTERNATIONAL Inc.
MIDLAND, TEXAS**

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 356.93

Vertical Section Referenced to offset from Wellhead: EW =.00 Ft, NS=.00 Ft

<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>CLOSURE Distance FT</i>	<i>Direction Deg</i>	<i>Dogleg Severity Deg/100</i>	<i>BUILD RATE Deg/100</i>
TIE-IN F/GYRO SURVEY										
7630.00	1.91	56.59	7624.70	55.14	200.63	44.32	208.07	74.63	.00	.00
GYRO SURVEY										
7690.00	3.51	24.01	7684.63	57.37	202.21	46.46	210.19	74.16	3.60	2.67
GYRO SURVEY										
7695.00	4.76	17.71	7689.62	57.71	202.34	46.79	210.41	74.08	26.56	25.00
7700.00	8.60	13.10	7694.59	58.27	202.49	47.34	210.70	73.95	77.48	76.80
7705.00	11.50	6.50	7699.51	59.13	202.63	48.19	211.08	73.73	62.31	58.00
7710.00	14.50	5.90	7704.38	60.25	202.75	49.30	211.51	73.45	60.06	60.00
7715.00	17.30	2.80	7709.19	61.61	202.85	50.66	212.00	73.10	58.50	56.00
7720.00	20.50	359.60	7713.92	63.23	202.88	52.27	212.50	72.69	67.25	64.00
7725.00	23.80	358.20	7718.55	65.11	202.84	54.16	213.04	72.20	66.83	66.00
7730.00	26.90	357.10	7723.07	67.25	202.75	56.30	213.61	71.65	62.71	62.00
7735.00	30.50	356.70	7727.45	69.65	202.62	58.70	214.26	71.03	72.10	72.00
7740.00	33.80	356.50	7731.68	72.31	202.46	61.36	214.99	70.35	66.03	66.00
7745.00	37.30	356.10	7735.75	75.21	202.28	64.26	215.80	69.60	70.15	70.00
7750.00	40.60	355.60	7739.64	78.34	202.05	67.41	216.70	68.81	66.30	66.00
7755.00	44.80	354.80	7743.31	81.72	201.76	70.80	217.68	67.95	84.70	84.00
7760.00	48.10	353.70	7746.76	85.32	201.40	74.41	218.73	67.04	67.90	66.00
7765.00	51.00	352.80	7750.00	89.10	200.95	78.21	219.82	66.09	59.59	58.00
7770.00	54.50	352.10	7753.03	93.05	200.43	82.18	220.97	65.10	70.88	70.00
7775.00	57.70	351.30	7755.82	97.15	199.83	86.31	222.19	64.07	65.36	64.00
7780.00	60.70	348.70	7758.38	101.38	199.08	90.57	223.41	63.01	74.79	60.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	ue Vertical Depth	N-S FT	E-W FT	Vertical Section FT	() S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100	BUILD RATE Deg/100
7785.00	64.10	348.10	7760.69	105.72	198.19	94.95	224.62	61.92	68.83	68.00
7790.00	67.20	347.20	7762.75	110.17	197.22	99.45	225.90	60.81	64.13	62.00
7795.00	70.20	345.60	7764.57	114.70	196.12	104.03	227.20	59.68	67.00	60.00
7800.00	72.60	343.90	7766.17	119.27	194.87	108.66	228.47	58.53	57.81	48.00
end of 4° motor										
7829.00	83.10	335.30	7772.27	145.76	184.97	135.65	235.50	51.76	46.35	36.21
7833.00	83.30	335.10	7772.74	149.37	183.31	139.33	236.46	50.83	7.05	5.00
7865.00	87.80	333.60	7775.23	178.12	169.50	168.78	245.88	43.58	14.82	14.06
7897.00	92.70	332.30	7775.09	206.61	154.95	198.01	258.26	36.87	15.84	15.31
7928.00	97.40	332.50	7772.36	233.97	140.65	226.10	272.99	31.01	15.17	15.16
7959.00	97.40	331.80	7768.37	261.15	126.29	254.01	290.08	25.81	2.24	.00
7991.00	97.40	333.50	7764.25	289.33	111.71	282.93	310.15	21.11	5.27	.00
8023.00	97.30	331.40	7760.15	317.47	97.03	311.82	331.97	17.00	6.52	-.31
8055.00	97.80	331.90	7755.95	345.39	81.97	340.50	354.98	13.35	2.20	1.56
8087.00	99.00	333.10	7751.27	373.46	67.35	369.32	379.49	10.22	5.27	3.75
8118.00	99.40	334.40	7746.32	400.91	53.82	397.45	404.50	7.65	4.34	1.29
8150.00	97.20	336.00	7741.70	429.65	40.54	426.86	431.56	5.39	8.47	-6.88
8181.00	94.80	337.30	7738.46	457.95	28.32	455.78	458.83	3.54	8.79	-7.74
8213.00	93.20	336.00	7736.22	487.26	15.67	485.72	487.51	1.84	6.44	-5.00
8245.00	94.10	339.10	7734.19	516.77	3.47	515.84	516.78	.39	10.07	2.81
8277.00	93.20	339.60	7732.15	546.65	-7.79	546.29	546.71	359.18	3.22	-2.81
8308.00	90.30	338.40	7731.20	575.58	-18.89	575.76	575.89	358.12	10.12	-9.35
8340.00	89.80	338.70	7731.17	605.36	-30.59	606.13	606.13	357.11	1.82	-1.56
8372.00	91.80	337.80	7730.73	635.08	-42.45	636.44	636.49	356.18	6.85	6.25
8404.00	93.00	338.60	7729.39	664.76	-54.32	666.72	666.98	355.33	4.51	3.75
8435.00	93.50	337.50	7727.63	693.47	-65.89	696.00	696.59	354.57	3.89	1.61
8467.00	93.60	336.90	7725.65	722.91	-78.27	726.07	727.14	353.82	1.90	.31
8499.00	91.40	334.80	7724.25	752.08	-91.35	755.89	757.61	353.07	9.50	-6.87
8530.00	90.40	336.20	7723.77	780.28	-104.20	784.74	787.21	352.39	5.55	-3.23
8562.00	90.70	336.50	7723.46	809.59	-117.03	814.70	818.01	351.77	1.33	.94
8594.00	91.60	336.50	7722.82	838.93	-129.79	844.68	848.92	351.21	2.81	2.81
8625.00	91.00	337.10	7722.11	867.42	-142.00	873.78	878.97	350.70	2.74	-1.94
8656.00	91.00	336.70	7721.57	895.93	-154.16	902.90	909.10	350.24	1.29	.00
8689.00	90.70	335.20	7721.08	926.06	-167.61	933.71	941.11	349.74	4.63	-.91
8721.00	90.60	337.40	7720.72	955.36	-180.47	963.65	972.25	349.30	6.88	-.31
8818.00	91.00	337.30	7719.36	1044.87	-217.82	1055.03	1067.33	348.22	.43	.41
PROJECTION TO TD										
8848.00	91.00	337.30	7718.84	1072.54	-229.40	1083.29	1096.80	347.93	.00	.00

Submit 3 Copies To Appropriate District Office
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
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

45'

Form C-103

Revised March 25, 1999

WELL API NO.

30-015-28409

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Patriot AIZ

7. Well No.

#10

8. Pool name or Wildcat

Dagger Draw Upper Penn, N.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

Yates Petroleum Corporation

3. Address of Operator

105 S. 4th Street Artesia, NM 88210

4. Well Location

Unit Letter N : 860 feet from the South line and 1980 feet from the West line

Section 21 Township 19S Range 25E NMPM Eddy County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

3493' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: acidize ☒

Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1/15/01 - Turn well to production while waiting on completion unit.

2/5/01 - MIRU pulling unit. Pull sub pump. TIH with 2-7/8" work string. Wait on coiled tubing unit.

2/12/01 - TIH with coiled tubing. Tag at 8268'. Could not work past 8268'. Acidized open hole lateral 7682-8848' with 20,000 gals 20% IC HCL.

2/14/01 - Retrieve whipstock.

2/15-2/18/01 - Drill out CIBP and push to 8114'.

2/22/01 - Re-perforate original vertical hole 7698-7710', 26 holes and 7720-7750', 62 holes, .42".

2/23/01 - Acidize perms 7698-7750' with 1600 gals 20% gelled IC HCL.

2/26/01 - Turn well to production. Rig down and move out.

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

SIGNATURE

Susan Herpin

TITLE

Engineering Technician

DATE February 19, 2002

Type or print name

Susan Herpin

Telephone No. 505-748-1471

(This space for State use)

APPROVED BY

Record only

TITLE

DATE

MAR - 1 2002

Conditions of approval, if any: