

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

CLSP

SUNDRY NOTICES AND REPORTS ON WELLS

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

N.M. Oil Cons. Division

811 S. 1st Street
Artesia, NM 88210-2894

Lease Serial No.

NM-059077

Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Yates Petroleum Corporation

3a. Address

105 South Fourth Street, Artesia, NM 88210

3b. Phone No. (include area code)

(505) 748-1471

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

At Surface: 236' FNL & 143' FWL of Section 18 T22S-R24E

BHL: 794' FNL & 1,978' FEL of Section 13 T22S-R23E

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

8. Well Name and No.

HOC Federal Com. #4

9. API Well No.

30-015-31754

10. Field and Pool, or Exploratory Area

Indian Basin Upper Penn.

11. County or Parish, State

Eddy County, NM

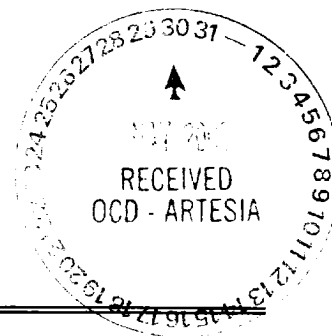
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

13. Describe Proposed or Completed Operations (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.)

Yates Petroleum Corporation respectfully requests permission to make the following changes to this well:
Some minor changes in the directional drilling plan were made. Please see attached revised directional plan.

Sincerely,



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

Name (Printed/Typed)

Cory Frederick

Title

Drilling Engineer Asst.

Signature

Cory Frederick

Date

May 15, 2001

Approved by

APPROVED
(ORIG. SGD.) DAVID R. GLASS

THIS SPACE FOR FEDERAL OR STATE USE

Title

Date

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

Office

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

PETROLEUM ENGINEER

(Instructions on reverse)

Job Number: 1

State/Country: NM/USA

Company: Yates Petroleum Corporation

Declination:

Lease/Well: HOC Federal Com. #4

Location: Surf: Section 18 T22S-R24E, 236' N & 143' W, BHL: Sec. 13 T22S-R23E, 794' ENL & 1,978' FEL

Rig Name:

Date/Time: 09-May-01 / 08:53

RKB:

Curve Name: Planned Build

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

NOTE: There are 2 hardlines on this well. One hardline is 660' ENL (424' S of surface location). We must be over this line prior to cutting the Canyon Dolomite (7,772' TVD). The other hardline is 1,980' FEL (2,123' west of surface). This line is not to be crossed at all while drilling this well. This wellplan has a "safety cushion" of +/- 50-75' off of the hardlines.

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 255.25

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

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	CLOSURE Direction Deg	Dogleg Severity Deg/100
Kick well off @ +/-2,350', begin building @ 2.5 degrees/100'.									
2348.08	.00	255.25	2348.08	.00	.00	.00	.00	.00	.00
2378.08	.75	255.25	2378.08	-.05	-.19	.20	.20	255.25	2.50
2408.08	1.50	255.25	2408.07	-.20	-.76	.79	.79	255.25	2.50
2438.08	2.25	255.25	2438.06	-.45	-1.71	1.77	1.77	255.25	2.50
2468.08	3.00	255.25	2468.02	-.80	-3.04	3.14	3.14	255.25	2.50
2498.08	3.75	255.25	2497.97	-1.25	-4.75	4.91	4.91	255.25	2.50
2528.08	4.50	255.25	2527.89	-1.80	-6.83	7.06	7.06	255.25	2.50
2558.08	5.25	255.25	2557.78	-2.45	-9.30	9.61	9.61	255.25	2.50
2588.08	6.00	255.25	2587.64	-3.20	-12.14	12.55	12.55	255.25	2.50
2618.08	6.75	255.25	2617.45	-4.05	-15.36	15.89	15.89	255.25	2.50
2648.08	7.50	255.25	2647.22	-4.99	-18.96	19.61	19.61	255.25	2.50
2678.08	8.25	255.25	2676.94	-6.04	-22.94	23.72	23.72	255.25	2.50
2708.08	9.00	255.25	2706.60	-7.18	-27.29	28.22	28.22	255.25	2.50
2738.08	9.75	255.25	2736.20	-8.43	-32.01	33.10	33.10	255.25	2.50
2768.08	10.50	255.25	2765.73	-9.77	-37.11	38.38	38.38	255.25	2.50
2798.08	11.25	255.25	2795.19	-11.21	-42.59	44.04	44.04	255.25	2.50
2828.08	12.00	255.25	2824.58	-12.75	-48.43	50.08	50.08	255.25	2.50
2858.08	12.75	255.25	2853.88	-14.39	-54.65	56.51	56.51	255.25	2.50
2888.08	13.50	255.25	2883.10	-16.12	-61.24	63.32	63.32	255.25	2.50
2918.08	14.25	255.25	2912.22	-17.96	-68.19	70.52	70.52	255.25	2.50
2948.08	15.00	255.25	2941.25	-19.89	-75.52	78.09	78.09	255.25	2.50
2978.08	15.75	255.25	2970.17	-21.91	-83.21	86.05	86.05	255.25	2.50
3008.08	16.50	255.25	2998.99	-24.03	-91.27	94.38	94.38	255.25	2.50
3038.08	17.25	255.25	3027.70	-26.25	-99.69	103.09	103.09	255.25	2.50
3068.08	18.00	255.25	3056.29	-28.56	-108.47	112.17	112.17	255.25	2.50
3098.08	18.75	255.25	3084.76	-30.97	-117.62	121.63	121.63	255.25	2.50

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
3128.08	19.50	255.25	3113.11	-33.47	-127.12	131.46	131.46	255.25	2.50
3158.08	20.25	255.25	3141.32	-36.07	-136.99	141.66	141.66	255.25	2.50
3188.08	21.00	255.25	3169.40	-38.76	-147.20	152.22	152.22	255.25	2.50
3218.08	21.75	255.25	3197.33	-41.55	-157.78	163.16	163.16	255.25	2.50
End of buld, hold 22.5 degree inclination.									
3248.08	22.50	255.25	3225.12	-44.42	-168.70	174.46	174.46	255.25	2.50
3248.08	22.50	255.25	3225.12	-44.42	-168.70	174.46	174.46	255.25	30.28
3348.08	22.50	255.25	3317.51	-54.17	-205.71	212.72	212.72	255.25	.00
3448.08	22.50	255.25	3409.90	-63.91	-242.72	250.99	250.99	255.25	.00
3548.08	22.50	255.25	3502.29	-73.66	-279.73	289.26	289.26	255.25	.00
3648.08	22.50	255.25	3594.68	-83.40	-316.73	327.53	327.53	255.25	.00
3748.08	22.50	255.25	3687.06	-93.15	-353.74	365.80	365.80	255.25	.00
3848.08	22.50	255.25	3779.45	-102.89	-390.75	404.07	404.07	255.25	.00
3948.08	22.50	255.25	3871.84	-112.63	-427.75	442.33	442.33	255.25	.00
4048.08	22.50	255.25	3964.23	-122.38	-464.76	480.60	480.60	255.25	.00
4148.08	22.50	255.25	4056.62	-132.12	-501.77	518.87	518.87	255.25	.00
4248.08	22.50	255.25	4149.00	-141.87	-538.77	557.14	557.14	255.25	.00
4348.08	22.50	255.25	4241.39	-151.61	-575.78	595.41	595.41	255.25	.00
4448.08	22.50	255.25	4333.78	-161.36	-612.79	633.68	633.68	255.25	.00
4548.08	22.50	255.25	4426.17	-171.10	-649.79	671.94	671.94	255.25	.00
4648.08	22.50	255.25	4518.56	-180.85	-686.80	710.21	710.21	255.25	.00
4748.08	22.50	255.25	4610.94	-190.59	-723.81	748.48	748.48	255.25	.00
4848.08	22.50	255.25	4703.33	-200.34	-760.82	786.75	786.75	255.25	.00
4948.08	22.50	255.25	4795.72	-210.08	-797.82	825.02	825.02	255.25	.00
5048.08	22.50	255.25	4888.11	-219.82	-834.83	863.29	863.29	255.25	.00
5148.08	22.50	255.25	4980.50	-229.57	-871.84	901.55	901.55	255.25	.00
5248.08	22.50	255.25	5072.88	-239.31	-908.84	939.82	939.82	255.25	.00
5348.08	22.50	255.25	5165.27	-249.06	-945.85	978.09	978.09	255.25	.00
5448.08	22.50	255.25	5257.66	-258.80	-982.86	1016.36	1016.36	255.25	.00
5548.08	22.50	255.25	5350.05	-268.55	-1019.86	1054.63	1054.63	255.25	.00
5648.08	22.50	255.25	5442.44	-278.29	-1056.87	1092.90	1092.90	255.25	.00
5748.08	22.50	255.25	5534.82	-288.04	-1093.88	1131.16	1131.16	255.25	.00
5848.08	22.50	255.25	5627.21	-297.78	-1130.88	1169.43	1169.43	255.25	.00
5948.08	22.50	255.25	5719.60	-307.53	-1167.89	1207.70	1207.70	255.25	.00
6048.08	22.50	255.25	5811.99	-317.27	-1204.90	1245.97	1245.97	255.25	.00
6148.08	22.50	255.25	5904.37	-327.01	-1241.90	1284.24	1284.24	255.25	.00
6248.08	22.50	255.25	5996.76	-336.76	-1278.91	1322.51	1322.51	255.25	.00
6348.08	22.50	255.25	6089.15	-346.50	-1315.92	1360.77	1360.77	255.25	.00
6448.08	22.50	255.25	6181.54	-356.25	-1352.93	1399.04	1399.04	255.25	.00
6548.08	22.50	255.25	6273.93	-365.99	-1389.93	1437.31	1437.31	255.25	.00
6648.08	22.50	255.25	6366.31	-375.74	-1426.94	1475.58	1475.58	255.25	.00

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Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
6748.08	22.50	255.25	6458.70	-385.48	-1463.95	1513.85	1513.85	255.25	.00
6848.08	22.50	255.25	6551.09	-395.23	-1500.95	1552.12	1552.12	255.25	.00
6948.08	22.50	255.25	6643.48	-404.97	-1537.96	1590.38	1590.38	255.25	.00
7048.08	22.50	255.25	6735.87	-414.71	-1574.97	1628.65	1628.65	255.25	.00
7148.08	22.50	255.25	6828.25	-424.46	-1611.97	1666.92	1666.92	255.25	.00
7248.08	22.50	255.25	6920.64	-434.20	-1648.98	1705.19	1705.19	255.25	.00
7348.08	22.50	255.25	7013.03	-443.95	-1685.99	1743.46	1743.46	255.25	.00
7448.08	22.50	255.25	7105.42	-453.69	-1722.99	1781.73	1781.73	255.25	.00
7548.08	22.50	255.25	7197.81	-463.44	-1760.00	1819.99	1819.99	255.25	.00
7648.08	22.50	255.25	7290.19	-473.18	-1797.01	1858.26	1858.26	255.25	.00
7748.08	22.50	255.25	7382.58	-482.93	-1834.02	1896.53	1896.53	255.25	.00
7848.08	22.50	255.25	7474.97	-492.67	-1871.02	1934.80	1934.80	255.25	.00
7948.08	22.50	255.25	7567.36	-502.42	-1908.03	1973.07	1973.07	255.25	.00
8048.08	22.50	255.25	7659.75	-512.16	-1945.04	2011.34	2011.34	255.25	.00
8148.08	22.50	255.25	7752.13	-521.90	-1982.04	2049.60	2049.60	255.25	.00

Canyon Top (7,772' TVD).

NOTE: We must be over the 660' FNL (424' S of surface location) hardline prior to cutting the Canyon Dolomite

8169.58	22.50	255.25	7772.00	-524.00	-1990.00	2057.83	2057.83	255.25	.00
8269.58	22.50	255.25	7864.39	-533.74	-2027.01	2096.10	2096.10	255.25	.00
8369.58	22.50	255.25	7956.78	-543.49	-2064.01	2134.37	2134.37	255.25	.00
8469.58	22.50	255.25	8049.16	-553.23	-2101.02	2172.64	2172.64	255.25	.00

BHL: 794' FNL & 1,978' FEL (558' S & 2,121' W of surface location).

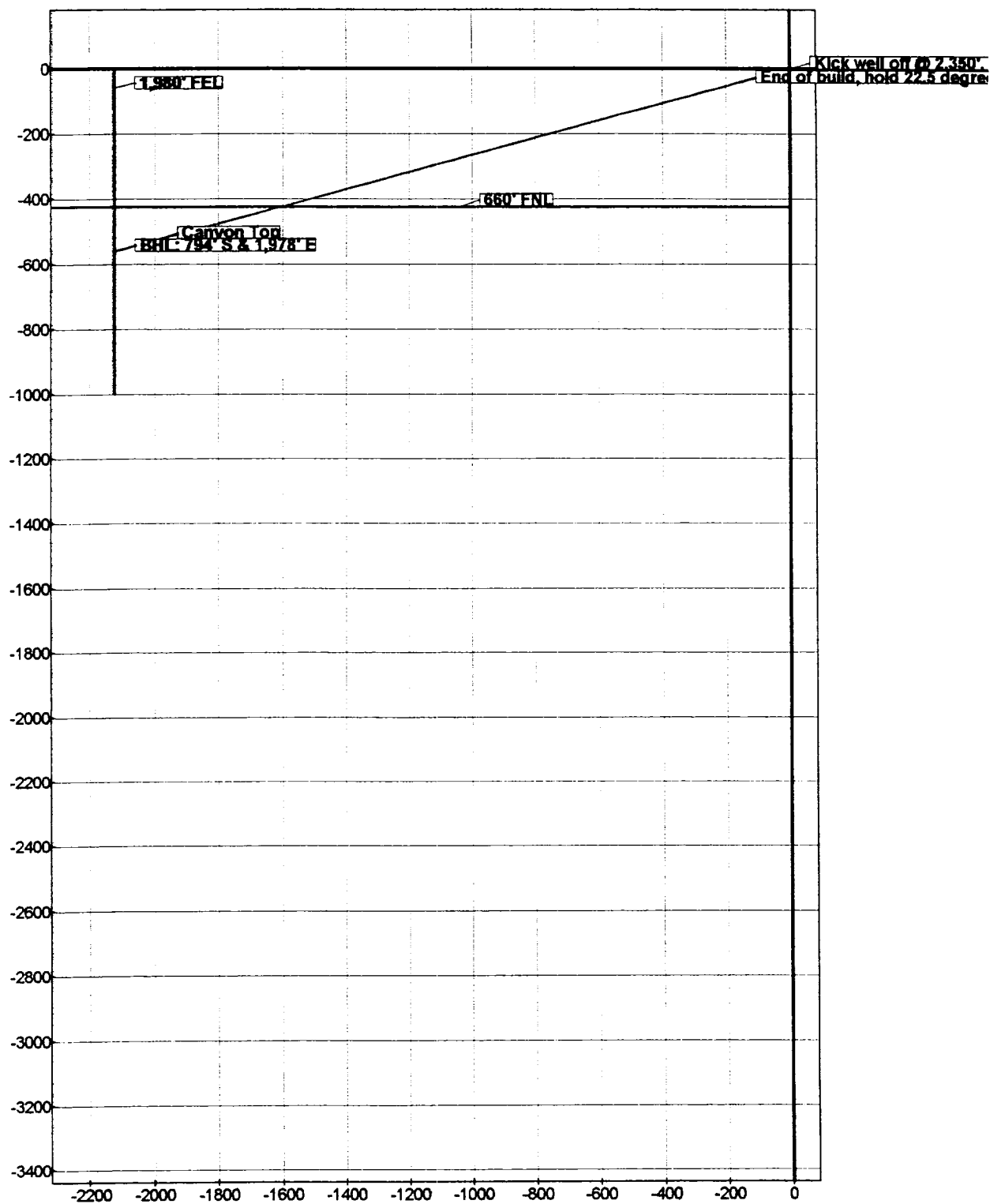
NOTE: We can not cross the point at 1,980' FEL (2,123' W of surface location).

8524.61	22.50	255.25	8100.00	-558.60	-2121.38	2193.69	2193.69	255.25	.00
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Company: Yates Petroleum Corporation

Lease/Well: HOC Federal #4

Location: Surf. Section 18 T22S-R24E, 236' N & 143' W, BHL: Sec. 13 T22S-R23E, 794' FNL & 1,978' F



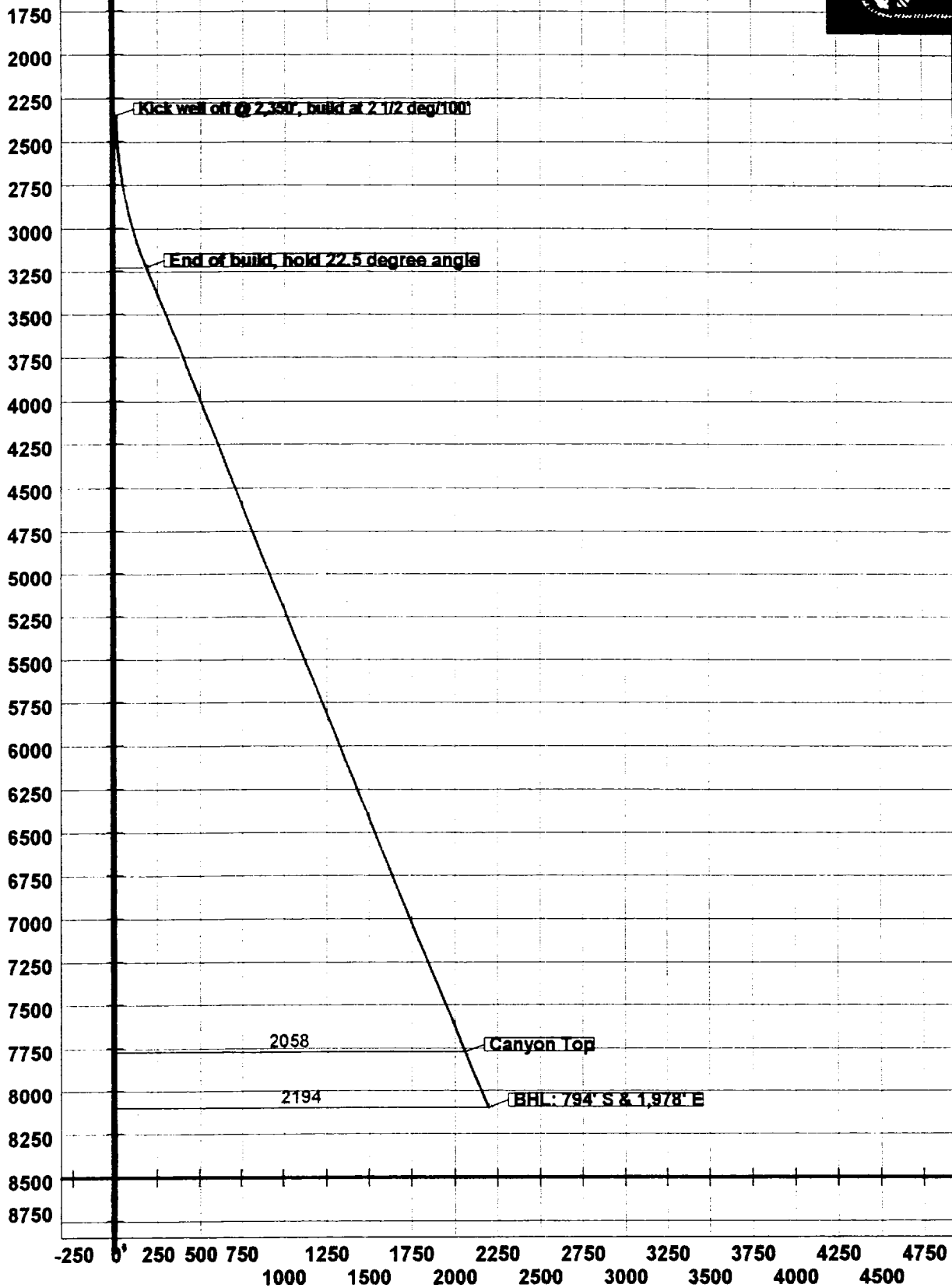
Company: Yates Petroleum Corporation

Lease/Well: HOC Federal #4

Location: Surf: Section 18 T22S-R24E, 236' N & 143' W, BHL: Sec. 13 T22S-R24E



B' F



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