

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

N.M. Oil Cons. Division

ARTESIA

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.

6. If Indian Allottee or Tribe Name

NM 88240

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) 748-0601

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

Surface: 1,650' FSL & 2,310' FWL of Sec. 22-T21S-R24E

BHL: 660' FSL & 660' FWL of Section 22 T21S-R24E

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

8. Well Name and No.

Lowe Staple AMR Federal Com. #1

9. API Well No.

30-015-10040

10. Field and Pool, or Exploratory Area

Indian Basin

11. County or Parish, State

Eddy
Lea County, New Mexico

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 recompleate 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 recompleation 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.)

This well was originally permitted as a horizontal lateral in the Canyon formation to the bottom hole location listed above. We originally planned to mill a window in the 7" casing and drill a 4 3/4" open hole lateral in the Canyon formation. We would like to amend this APD to make this well a conventional directional well instead of a horizontal lateral. A Sundry Notice has already been approved to plug this well back and cut and pull the existing 7" casing at 4,050'. A kick off plug will then be set in the 8 3/4" open hole from 3,350'-3,600', and an 8 3/4" bit will be used to sidetrack the existing wellbore. The 8 3/4" hole will then be directionally drilled to the permitted bottom hole location, and 7" casing will be set and cemented in place. The BOP system will still be rated at 3,000 psi, but will be nipped up and tested on the existing 9 5/8" casing rather than the 7" casing. Please see attached pages for the 7" casing and cement design and revised directional plan. Thank you,

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

Name (Printed/Typed)

Cory Frederick

Title

Asst. Drilling Engineer

Signature

Cory Frederick

Date

May 23, 2001

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER Date

MAY 30 2001

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those 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.

(Instructions on reverse)

[REDACTED]

RECEIVED
2001 MAY 25 AM 9:06
BUREAU OF LAND MGMT
ROSMERLY OFFICE

Page 2

Yates Petroleum Corporation

Lowe Staple AMR Federal Com. #1 Sundry Notice

The new 7" casing design is listed below..

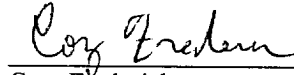
Casing Size	Wt./Ft.	Grade	Coupling	Interval
7"	26#	J-55	LT&C	0'-100'
7"	23#	J-55	LT&C	100'-5,200'
7"	26#	J-55	LT&C	5,200'-7,300'
7"	26#	N-80	LT&C	7,300'-8,500'

Note: All depths are measured depth. TD of the 8 3/4" hole will be 8,100' TVD, 8,500' MD.

Cement: TOC will be 6,000', cement slurry will be 350 sx Super H Modified (yld 1.67 wt 13.4).

Please see attached directional drilling plan. Kick off point is 3,350', build rate is about 2 1/2 degrees, hold angle is about 25 degrees.

Prepared by:



Cory Frederick

Drilling Engineering Assistant.

RECEIVED
2001 MAY 25 AM 9:06
BUREAU OF LAND MGMT
FOREST OFFICE

Job Number: 1

State/Country: NM/USA

Company: Yates Petroleum Corporation

Declination:

Lease/Well: Lowe Staple AMR Federal Com #1

Grid:

Location: Sec. 22 T21S-R24E, 1,650' FSL & 2,310' FWL, BHL: 660' FSL & FWL

Date/Time: 23-May-01 / 10:46

Rig Name: UTI #166

RKB:

Curve Name:

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

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 239.04

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 off of cement plug, begin building at a rate of 2.5 deg/100'.									
3350.00	.00	239.04	3350.00	.00	.00	.00	.00	.00	.00
3380.00	.75	239.04	3380.00	-.10	-.17	.20	.20	239.04	2.50
3410.00	1.50	239.04	3409.99	-.40	-.67	.79	.79	239.04	2.50
3440.00	2.25	239.04	3439.98	-.91	-1.52	1.77	1.77	239.04	2.50
3470.00	3.00	239.04	3469.95	-1.62	-2.69	3.14	3.14	239.04	2.50
3500.00	3.75	239.04	3499.89	-2.52	-4.21	4.91	4.91	239.04	2.50
3530.00	4.50	239.04	3529.82	-3.63	-6.06	7.06	7.06	239.04	2.50
3560.00	5.25	239.04	3559.71	-4.95	-8.24	9.61	9.61	239.04	2.50
3590.00	6.00	239.04	3589.56	-6.46	-10.77	12.55	12.55	239.04	2.50
3620.00	6.75	239.04	3619.38	-8.17	-13.62	15.89	15.89	239.04	2.50
3650.00	7.50	239.04	3649.14	-10.09	-16.81	19.61	19.61	239.04	2.50
3680.00	8.25	239.04	3678.86	-12.20	-20.34	23.72	23.72	239.04	2.50
3710.00	9.00	239.04	3708.52	-14.52	-24.20	28.22	28.22	239.04	2.50
3740.00	9.75	239.04	3738.12	-17.03	-28.39	33.10	33.10	239.04	2.50
3770.00	10.50	239.04	3767.65	-19.74	-32.91	38.38	38.38	239.04	2.50
3800.00	11.25	239.04	3797.11	-22.66	-37.76	44.04	44.04	239.04	2.50
3830.00	12.00	239.04	3826.50	-25.77	-42.94	50.08	50.08	239.04	2.50
3860.00	12.75	239.04	3855.80	-29.07	-48.46	56.51	56.51	239.04	2.50
3890.00	13.50	239.04	3885.02	-32.58	-54.30	63.32	63.32	239.04	2.50
3920.00	14.25	239.04	3914.14	-36.28	-60.47	70.52	70.52	239.04	2.50
3950.00	15.00	239.04	3943.17	-40.18	-66.96	78.09	78.09	239.04	2.50
3980.00	15.75	239.04	3972.10	-44.27	-73.78	86.05	86.05	239.04	2.50
4010.00	16.50	239.04	4000.92	-48.56	-80.93	94.38	94.38	239.04	2.50
4040.00	17.25	239.04	4029.62	-53.04	-88.40	103.09	103.09	239.04	2.50
4070.00	18.00	239.04	4058.21	-57.71	-96.19	112.17	112.17	239.04	2.50
4100.00	18.75	239.04	4086.68	-62.58	-104.29	121.63	121.63	239.04	2.50

RECEIVED
2001 MAY 25 AM 9:06
BUREAU OF LAND MGMT
FOSBELL OFFICE

Lowest2.txt

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
4130.00	19.50	239.04	4115.03	-67.63	-112.72	131.46	131.46	239.04	2.50
4160.00	20.25	239.04	4143.24	-72.88	-121.47	141.66	141.66	239.04	2.50
4190.00	21.00	239.04	4171.32	-78.32	-130.53	152.22	152.22	239.04	2.50
4220.00	21.75	239.04	4199.26	-83.94	-139.91	163.16	163.16	239.04	2.50
4250.00	22.50	239.04	4227.05	-89.76	-149.59	174.46	174.46	239.04	2.50
4280.00	23.25	239.04	4254.69	-95.76	-159.59	186.12	186.12	239.04	2.50
4310.00	24.00	239.04	4282.17	-101.94	-169.90	198.14	198.14	239.04	2.50
END OF BUILD, HOLD ANGLE AT 24-25 DEGREES.									
4323.15	24.33	239.04	4294.17	-104.71	-174.52	203.52	203.52	239.04	2.50
4423.15	24.33	239.04	4385.29	-125.91	-209.84	244.72	244.72	239.04	.00
4523.15	24.33	239.04	4476.41	-147.10	-245.17	285.92	285.92	239.04	.00
4623.15	24.33	239.04	4567.53	-168.30	-280.50	327.11	327.11	239.04	.00
4723.15	24.33	239.04	4658.65	-189.49	-315.82	368.31	368.31	239.04	.00
4823.15	24.33	239.04	4749.77	-210.69	-351.15	409.51	409.51	239.04	.00
4923.15	24.33	239.04	4840.88	-231.88	-386.47	450.70	450.70	239.04	.00
5023.15	24.33	239.04	4932.00	-253.08	-421.80	491.90	491.90	239.04	.00
5123.15	24.33	239.04	5023.12	-274.28	-457.13	533.10	533.10	239.04	.00
5223.15	24.33	239.04	5114.24	-295.47	-492.45	574.29	574.29	239.04	.00
5323.15	24.33	239.04	5205.36	-316.67	-527.78	615.49	615.49	239.04	.00
5423.15	24.33	239.04	5296.48	-337.86	-563.11	656.69	656.69	239.04	.00
5523.15	24.33	239.04	5387.60	-359.06	-598.43	697.89	697.89	239.04	.00
5623.15	24.33	239.04	5478.72	-380.25	-633.76	739.08	739.08	239.04	.00
5723.15	24.33	239.04	5569.84	-401.45	-669.08	780.28	780.28	239.04	.00
5823.15	24.33	239.04	5660.96	-422.65	-704.41	821.48	821.48	239.04	.00
5923.15	24.33	239.04	5752.08	-443.84	-739.74	862.67	862.67	239.04	.00
6023.15	24.33	239.04	5843.20	-465.04	-775.06	903.87	903.87	239.04	.00
6123.15	24.33	239.04	5934.32	-486.23	-810.39	945.07	945.07	239.04	.00
6223.15	24.33	239.04	6025.44	-507.43	-845.72	986.26	986.26	239.04	.00
6323.15	24.33	239.04	6116.56	-528.62	-881.04	1027.46	1027.46	239.04	.00
6423.15	24.33	239.04	6207.68	-549.82	-916.37	1068.66	1068.66	239.04	.00
6523.15	24.33	239.04	6298.80	-571.02	-951.69	1109.86	1109.86	239.04	.00
6623.15	24.33	239.04	6389.92	-592.21	-987.02	1151.05	1151.05	239.04	.00
6723.15	24.33	239.04	6481.04	-613.41	-1022.35	1192.25	1192.25	239.04	.00
6823.15	24.33	239.04	6572.16	-634.60	-1057.67	1233.45	1233.45	239.04	.00
6923.15	24.33	239.04	6663.28	-655.80	-1093.00	1274.64	1274.64	239.04	.00
7023.15	24.33	239.04	6754.40	-676.99	-1128.32	1315.84	1315.84	239.04	.00
7123.15	24.33	239.04	6845.52	-698.19	-1163.65	1357.04	1357.04	239.04	.00
7223.15	24.33	239.04	6936.64	-719.39	-1198.98	1398.24	1398.24	239.04	.00
7323.15	24.33	239.04	7027.76	-740.58	-1234.30	1439.43	1439.43	239.04	.00
7423.15	24.33	239.04	7118.88	-761.78	-1269.63	1480.63	1480.63	239.04	.00
7523.15	24.33	239.04	7210.00	-782.97	-1304.96	1521.83	1521.83	239.04	.00
7623.15	24.33	239.04	7301.12	-804.17	-1340.28	1563.02	1563.02	239.04	.00

PAGE - 2

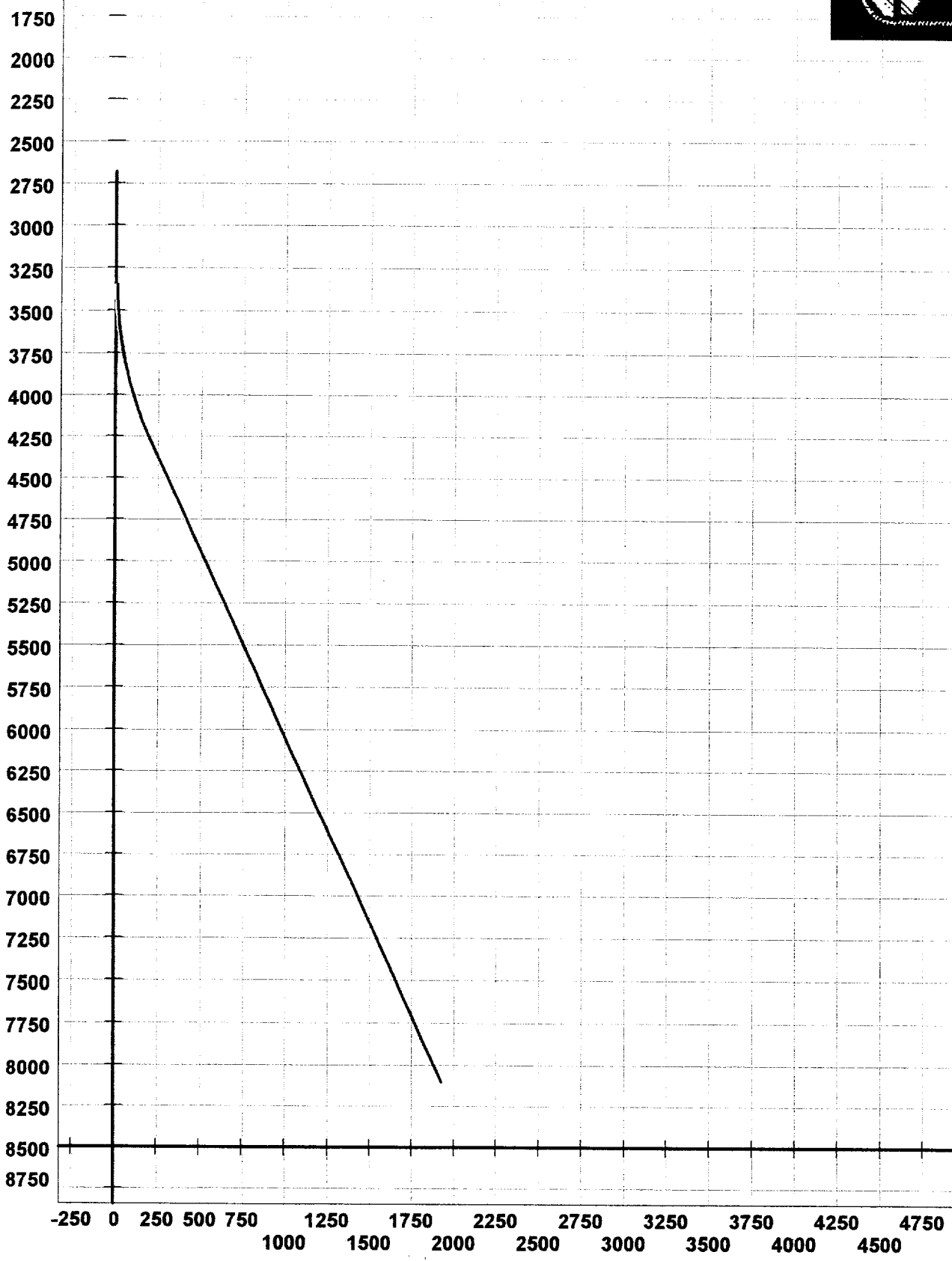
RECEIVED
2001 MAY 25 AM 9:06
BUREAU OF LAND MGMT
FOUNDED OFFICE

Lowest2.txt

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
7723.15	24.33	239.04	7392.24	-825.36	-1375.61	1604.22	1604.22	239.04	.00
7823.15	24.33	239.04	7483.36	-846.56	-1410.93	1645.42	1645.42	239.04	.00
7923.15	24.33	239.04	7574.48	-867.76	-1446.26	1686.61	1686.61	239.04	.00
TOP OF CANYON									
8023.15	24.33	239.04	7665.60	-888.95	-1481.59	1727.81	1727.81	239.04	.00
8123.15	24.33	239.04	7756.72	-910.15	-1516.91	1769.01	1769.01	239.04	.00
8223.15	24.33	239.04	7847.84	-931.34	-1552.24	1810.21	1810.21	239.04	.00
8323.15	24.33	239.04	7938.96	-952.54	-1587.56	1851.40	1851.40	239.04	.00
8423.15	24.33	239.04	8030.08	-973.73	-1622.89	1892.60	1892.60	239.04	.00
8499.89	24.33	239.04	8100.00	-990.00	-1650.00	1924.21	1924.21	239.04	.00
TOTAL DEPTH (BHL 660' FSL & 660' FWL) THESE LINES ARE HARDLINES AND CANNOT BE CROSSED.									

RECEIVED
2001 MAY 25 AM 9:06
BUREAU OF LAND MGMT.
FOSWELL OFFICE

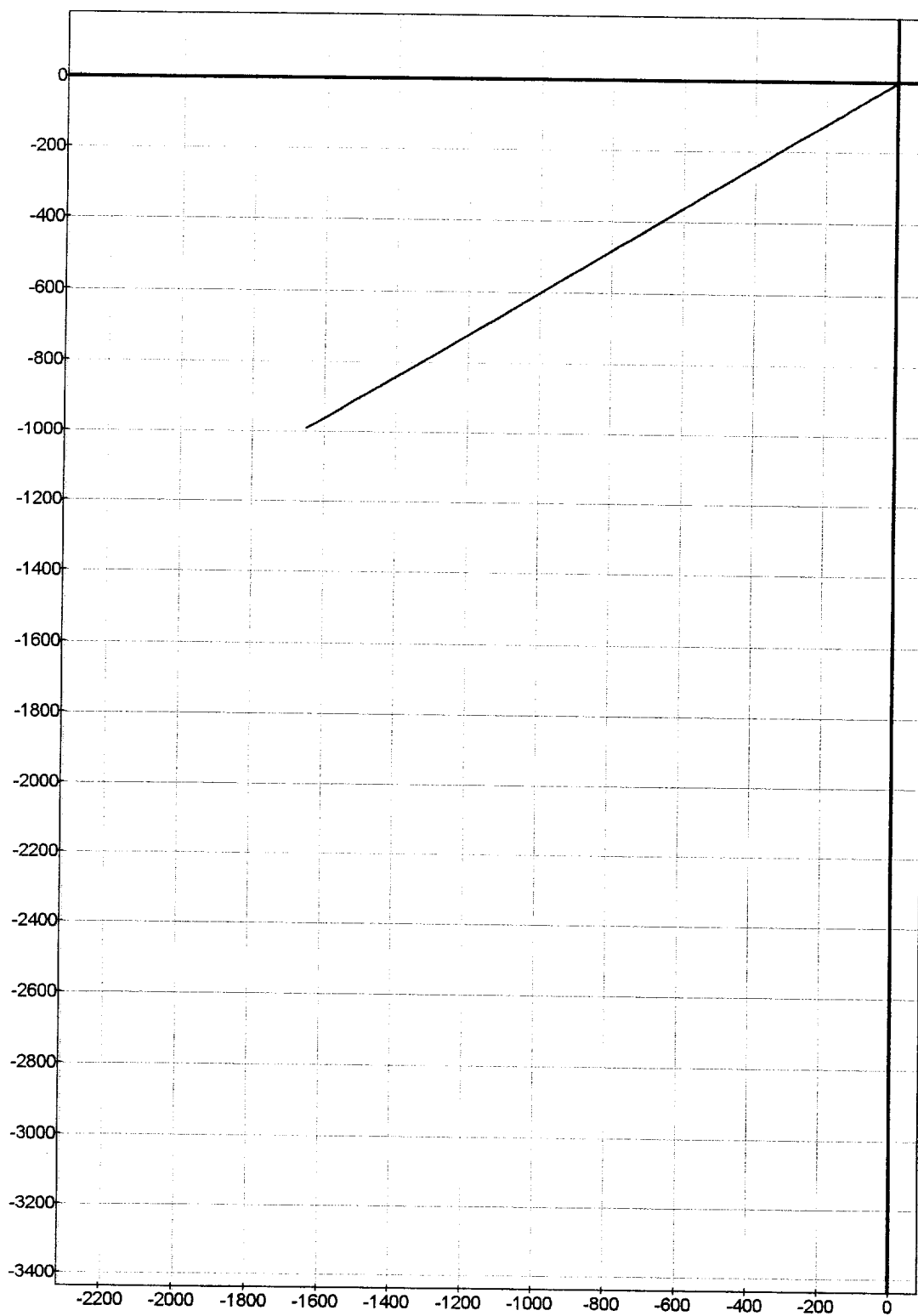
Company: Yates Petroleum Corporation
Lease/Well: Lowe Staple AMR Federal Com #1
Location: Sec. 22 T21S-R24E, 1,650' FSL & 2,310' FWL, BHL: 660' FSL & FWL



○ — △ — ▽ — ◇ — □ — ○ —

RECEIVED
2001 MAY 25 AM 9:06
BUREAU OF LAND MGMT.
ECOMMUNITY OFFICE

Company: Yates Petroleum Corporation
Lease/Well: Lowe Staple AMR Federal Com #1
Location: Sec. 22 T21S-R24E, 1,650' FSL & 2,310' FWL, BHL: 660' FSL & FWL



RECEIVED
2001 MAY 25 AM 9:06
BUREAU OF LAND NGMT
FOSWELL OFFICE