

Aug 23 -

directional drilling and
unorthodox location -

- Jerry Hosce -

- Yates -

Re-enter a dry hole (Forken) Morrow
orthodox - directional drill to
an unorthodox -

Surface

1980 - FNL

660 FEL

Sec 25 - T18S - R25E

Bottom Hole - Morrow

500 FNL

600 FEL

N/2 dedicated

- West atoka - Gas Pool -

Eddis -

- Yates Petroleum Corporation -

Forken Yates Hornbaker
#1

ILLEGIBLE

DR.

GMH/dr

(Signature)

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

Ken

(Signature)

CASE NO. 4803

Order No. R-4391

APPLICATION OF YATES PETROLEUM
CORPORATION TO DIRECTIONALLY
DRILL AND AN UNORTHODOX LOCATION,
EDDY COUNTY, NEW MEXICO.

dm

9-1-72

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on August 23, 1972,
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this day of August, 1972, the Commission,
a quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Yates Petroleum Corporation, has
acquired and is the owner and operator of a well drilled at ~~an~~ *a*
~~unorthodox~~ surface location 1980 feet from the North line and 660
feet from the East line of Section 25, Township 18 South, Range 25
East, NMPM, *Eddy* ~~Lee~~ County, New Mexico.



YATES BUILDING - 207 SOUTH 4TH ST.
ARTESIA, NEW MEXICO - 88210

S. P. YATES
PRESIDENT
HARVEY E. YATES
VICE PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
HUGH W. PARRY
SEC. - TREAS.

October 13, 1972

Case 4803
R-4391

Mr. A. L. Porter, Jr., Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: Unorthodox Location, Kincaid BI Com. No. 2
OCC Order No. R-4391 Case No. 4803

Dear Sir:

Herewith is Notice of Intent to Drill, and new location plat on Kincaid BI Com. No. 2, proposed Morrow test. This letter confirms a telephone conversation between our attorney, Mr. A. J. Losee and Mr. George Hatch, Oil Conservation Commission counsel, pertaining to the change of location on our Hornbaker "BA" Com. No. 2 well from 1980 feet from the North line and 660 feet from the East line, Section 25, Township 18 South, Range 25 East to 600 feet from the North line and 620 feet from the East line of Section 25, Township 18 South, Range 25 East, Eddy County.

The reason for the change of location is that we have run into mechanical difficulties while drilling through the Pennsylvanian shales and we are unable to directionally drill into the target area.

Yours very truly,

YATES PETROLEUM CORPORATION

Eddie M. Mahfood
Petroleum Engineer

EMM:jg

Encl.

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DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE ☐	FEE ☒
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work			7. Unit Agreement Name		
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐ OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			8. Farm or Lease Name Kincaid BI Com.		
2. Name of Operator Yates Petroleum Corporation			9. Well No. 2		
3. Address of Operator 207 So. 4th St., Artesia, New Mexico 88210			10. Field and Pool, or Wildcat Atoka West Morrow		
4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>600</u> FEET FROM THE <u>North</u> LINE AND <u>620</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>25</u> TWP. <u>18S</u> RGE. <u>25E</u> NMPM			12. County Eddy		
19. Proposed Depth 9000'			19A. Formation Morrow		20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3438 GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Ard Drlg. Co.	22. Approx. Date Work will start 10-13-72		

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½	13-3/8	48#	400	Circ.	Surface
12¼	8-5/8	24#	1150	Circ.	Surface
7-7/8	4½	10.5 & 11.6#	9000	250	8100'

Unorthodox location approved in OCC Rule No. R-4391, Case No. 4803. Unable to sidetrack in Pennsylvania shales, obtained verbal approval to skid rig to above location and drill straight hole for Morrow test. If commercial, will run 4½" casing to total depth and cement with 250 sx cement. BOP's and prudent engineering practice will be employed throughout the drilling and completion procedure.

Note: This unorthodox location was previously named Yates-Hornbaker "BA" Com. No. 2 with surface location 1980/N and 660/E line of Sec. 25, 18S, 25E.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Eddie M. Halyard Title Engineer Date 10-13-72
(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

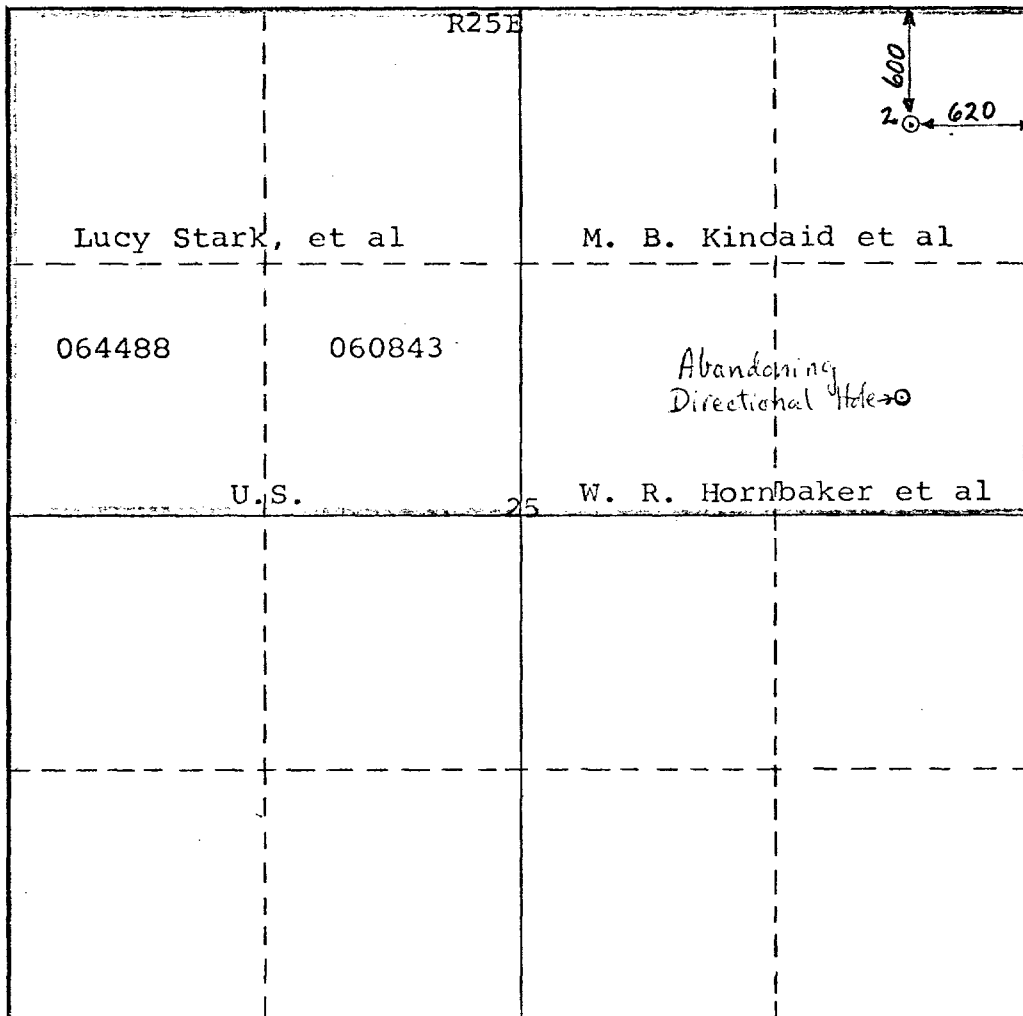
Operator Yates Petroleum Corporation			Lease Kincaid BI Com.		Well No. 2
Unit Letter A	Section 25	Township 18 South	Range 25 East	County Eddy	
Actual Footage Location of Well: 600 feet from the North line and 620 feet from the East line					
Ground Level Elev. 3438	Producing Formation Morrow	Pool W. Atoka	Dedicated Acreage: 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation Being Communitized

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Eddie M. Mahfood

Name
Eddie M. Mahfood

Position
Engineer

Company
Yates Petroleum Corp.

Date
10-12-72

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 knowledge and belief.

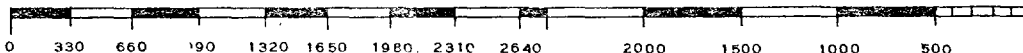
10-12-72

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Eddie M. Mahfood

Certificate No.
4605





YATES BUILDING - 207 SOUTH 4TH ST.
ARTESIA, NEW MEXICO - 88210

S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. TREAS.

September 15, 1972

Mr. A. L. Porter, Jr., Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 1148
Santa Fe, New Mexico

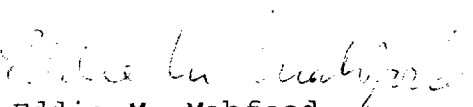
Re: Oil Conservation Commission Order No. R-4391
Case No. 4803

Dear Sir:

Herewith is Directional Survey Report for David Fasken,
Yates Hornbaker No. 1 which above Commission Order
requires.

Yours truly,

YATES PETROLEUM CORPORATION


Eddie M. Mahfood
Petroleum Engineer

EMM:jg
Attachment

cc: Oil Commission
Artesia

SPERRY-SUN

DIRECTIONAL SURVEY REPORT

FOR

DAVID FASKEN



TYPE OF SURVEY: Magnetic Multishot

SURVEY DEPTH: FROM 1200 FT. TO 9150 FT.

LEASE: Yates Hornbaker WELL NO. 1

FIELD: _____

COUNTY/~~PARISH~~ Eddy STATE New Mexico

DATE OF SURVEY April 11, 1972 JOB NO. MS-6226

OFFICE: Odessa, Texas 563-1106

STATE OF Texas
COUNTY/PARISH OF Ector

I/We, Gary Benson

_____, in the employ of the Directional Surveying Department of
Sperry-Sun Well Surveying Company, did on the 11th day of April 1972
and the _____ day of _____ 19____
and the _____ day of _____ 19____
and the _____ day of _____ 19____

respectively conduct or supervise the taking of a Multi-shot/~~Single Shot~~ Directional survey by method indicated:

from a depth of 1200 feet to 9150 feet by ~~Gyroscopic~~/Magnetic/Oriented Survey
depth of _____ feet to _____ feet by Gyroscopic/Magnetic/Oriented Survey
depth of _____ feet to _____ feet by Gyroscopic/Magnetic/Oriented Survey
depth of _____ feet to _____ feet by Gyroscopic/Magnetic Oriented Survey

with records of inclination and direction of inclination being taken at approximately every 100 feet.

This survey was conducted at the request of David Fasken

for their Yates Hornbaker Well No. 1

_____, Survey, Eddy County/Parish,

State of New Mexico, in the _____ Field.

I/We certify that this is a true and correct report of such survey and that it affords a true and correct representation of our findings as to the nature and conditions of the well at the time the survey was/surveys were made.

Gary Benson
+

STATE OF _____
COUNTY/PARISH OF _____

Before me the undersigned authority/authorities, on this day personally appeared _____,

known to me to be the person/persons whose name is/names are subscribed to this instrument, who after being by me duly sworn on oath, states that he has/they have knowledge of all the facts stated above and that the same is a true and correct statement of the facts therein recited.

Subscribed and sworn to before me this the _____ day of _____ 19____.

Notary Public in and for _____

DAVID FASKEN 508 FIRST NAT. BANK BLDG. MIDLAND
 YATES HORNBAKER WELL NO. 1

FIELD
 EDDY COUNTY, NEW MEXICO
 MAGNETIC MULTISHOT DIRECTIONAL SURVEY

PAGE 1
 DATE OF SURVEY APRIL 11, 1972
 VERTICAL SECTION COMPUTED ALONG CLOSURE
 11 DEG EAST MAGNETIC CORRECTION APPLIED
 MS-6226

SPERRY-SUN
 RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	INCLINATION		DIRECTION	DOG-LEG SEVERITY	VERTICAL SECTION	RECTANGULAR COORDINATES			
		DEG	MIN		DEG		NORTH	SOUTH	EAST	WEST
1200.	1200.00			ORIGIN AT 1200 FEET						
1300.	1299.98	1	15	N 89 E	.22	-.26	.00	.04	2.18	
1400.	1399.95	1	15	N 79 E	.22	-.14	.45		4.32	
1500.	1499.94	1	0	S 90 E	.33	-.38	.45		6.07	
1600.	1599.91	1	15	N 64 E	.56	.30	1.41		8.03	
1700.	1699.88	1	30	N 63 E	.25	1.16	2.60		10.36	
1800.	1799.86	1	15	N 61 E	.25	1.95	3.66		12.27	
1900.	1899.83	1	15	N 65 E	.09	2.60	4.58		14.25	
2000.	1999.81	1	15	N 48 E	.37	3.82	6.04		15.87	
2100.	2099.78	1	15	N 47 E	.02	5.08	7.53		17.46	
2200.	2199.77	1	0	N 44 E	.26	6.16	8.78		18.67	
2300.	2299.75	1	0	N 40 E	.07	7.33	10.12		19.80	
2400.	2399.74	1	0	N 21 E	.33	8.86	11.75		20.42	
2500.	2499.72	1	0	N 36 E	.26	10.12	13.16		21.45	
2600.	2599.71	0	45	N 38 E	.25	11.03	14.19		22.25	
2700.	2699.69	1	15	N 19 E	.59	12.98	16.25		22.96	
2800.	2799.67	1	15	N 17 E	.04	14.96	18.34		23.60	
2900.	2899.64	1	15	N 17 E	.00	16.94	20.43		24.24	
3000.	2999.63	1	0	N 17 E	.25	18.52	22.10		24.75	
3100.	3099.61	1	0	N 16 E	.02	20.12	23.77		25.27	
3200.	3199.59	1	30	N 18 W	.87	22.69	26.26		24.42	

BEST AVAILABLE COPY

DAVID FASKEN 608 FIRST NAT. BANK BLDG. MIDLAND
YATES HORNBAKER WELL NO. 1

FIELD
EDDY COUNTY, NEW MEXICO
MAGNETIC MULTISHOT DIRECTIONAL SURVEY

DATE OF SURVEY APRIL 11, 1972
VERTICAL SECTION COMPUTED ALONG
11 DEG EAST MAGNETIC CORRECTION APPLIED
PAGE 2
MS-6226

SPERRY-SUN
RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	INCLINATION		DIRECTION		DOG-LEG SEVERITY DEG/100	VERTICAL SECTION	RECTANGULAR COORDINATES			
		DEG	MIN	DEG	DEG			NORTH	SOUTH	EAST	WEST
3300.	3299.53	1	45	N 12 W		.30	25.74	29.25		23.79	
3400.	3399.48	1	45	N 18 W		.18	28.74	32.15		22.84	
3500.	3499.44	1	45	N 19 W		.03	31.74	35.04		21.85	
3600.	3599.39	1	45	N 19 W		.00	34.74	37.93		20.86	
3700.	3699.33	2	0	N 23 W		.28	38.10	41.14		19.40	
3800.	3799.27	2	0	N 27 W		.14	41.40	44.25		17.91	
3900.	3899.21	2	0	N 29 W		.07	44.65	47.30		16.22	
4000.	3999.16	1	45	N 32 W		.27	47.44	49.89		14.60	
4100.	4099.08	2	15	N 33 W		.50	50.99	53.19		12.46	
4200.	4199.01	2	15	N 36 W		.12	54.45	56.36		10.15	
4300.	4298.93	2	15	N 35 W		.04	57.95	59.58		7.90	
4400.	4398.95	2	15	N 37 W		.08	61.38	62.71		5.54	
4500.	4498.75	2	30	N 30 W		.39	65.41	66.49		3.36	
4600.	4598.64	2	45	N 36 W		.37	69.64	70.37		.54	
4700.	4698.55	2	30	N 30 W		.37	73.68	74.15			1.65
4800.	4798.45	2	30	N 29 W		.04	77.75	77.96		3.76	
4900.	4898.36	2	30	N 22 W		.31	81.98	82.01		5.39	
5000.	4998.26	2	30	N 20 W		.09	86.24	86.11		6.89	
5100.	5098.17	2	30	N 19 W		.04	90.52	90.23		8.31	
5200.	5198.07	2	30	N 20 W		.04	94.79	94.33		9.80	
5300.	5297.96	2	45	N 22 W		.27	99.44	98.78		11.60	

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DAVID HASKEN FOR FIRST NAT. BANK BLDG. MIDLAND
YATES HORNBAKER WELL NO. 1

FIELD

EDDY COUNTY, NEW MEXICO
MAGNETIC MULTISHOT DIRECTIONAL SURVEY

DATE OF SURVEY APRIL 11, 1972
VERTICAL SECTION COMPUTED ALONG CLOSURE
11 DEG EAST MAGNETIC CORRECTION APPLIED

PAGE 3
MS-6226

SPERRY-SUN
RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	INCLINATION		DIRECTION		NOG-LEG SEVERITY DEG/100	VERTICAL SECTION	RECTANGULAR COORDINATES			
		DEG	MIN	DEG				NORTH	SOUTH	EAST	WEST
5400.	5397.84	2	45	N 23 W		.05	104.07	103.20			13.47
5500.	5497.73	2	45	N 21 W		.10	108.74	107.68			15.19
5600.	5597.61	2	45	N 20 W		.05	113.43	112.18			16.83
5700.	5697.53	2	15	N 20 W		.50	117.27	115.87			18.17
5800.	5797.46	2	15	N 20 W		.00	121.11	119.56			19.52
5900.	5897.41	1	45	N 14 W		.54	124.14	122.53			20.25
6000.	5997.39	1	15	N 20 W		.52	126.27	124.58			21.00
6100.	6097.35	1	30	N 4 W		.46	128.89	127.19			21.18
6200.	6197.33	1	15	N 4 W		.25	131.06	129.36			21.34
6300.	6297.30	1	15	N 3 W		.02	133.24	131.54			21.45
6400.	6397.30	0	30	N 4 W		.75	134.11	132.41			21.51
6500.	6497.30	0	30	N 37 W		.28	134.87	133.11			22.04
6600.	6597.29	0	45	N 34 W		.25	136.04	134.19			22.77
6700.	6697.28	0	45	N 36 W		.03	137.20	135.25			23.54
6800.	6797.27	0	45	N 65 W		.39	137.91	135.81			24.72
6900.	6897.26	0	45	S 87 W		.36	138.02	135.74			26.03
7000.	6997.26	0	30	S 61 W		.37	137.70	135.31			26.79
7100.	7097.24	1	0	S 50 W		.52	136.77	134.19			28.13
7200.	7197.22	1	15	S 51 W		.25	135.64	132.82			29.83
7300.	7297.20	1	0	S 53 W		.25	134.79	131.77			31.22
7400.	7397.20	0	45	S 65 W		.31	134.41	131.22			32.41

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DAVID HASKEN 608 FIRST NAT. BANK BLDG. MIDLAND
YATES HONSAKER WELL NO. 1
FIELD
EDDY COUNTY, NEW MEXICO
MAGNETIC MULTISHOT DIRECTIONAL SURVEY

PAGE 4
DATE OF SURVEY APRIL 11, 1972
VERTICAL SECTION COMPUTED ALONG CLOSURE
11 DEG EAST MAGNETIC CORRECTION APPLIED
MS-62226

SPERRY-SUN
RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	INCLINATION		DIRECTION		DOG-LEG SEVERITY DEG/100	VERTICAL SECTION	RECTANGULAR COORDINATES			
		DEG	MIN	DEG				NORTH	SOUTH	EAST	WEST
7500.	7497.20	0	0	N 11 E		.75	134.41	131.22			32.41
7600.	7597.12	2	15	S 78 E		2.25	133.08	130.40			28.57
7700.	7697.07	1	45	S 70 E		.57	131.65	129.36			25.70
7800.	7797.02	1	45	S 90 E		.61	131.23	129.36			22.64
7900.	7896.96	2	0	S 83 E		.34	130.34	128.93			19.18
8000.	7996.93	1	30	S 67 E		.69	129.00	127.91			16.77
8100.	8096.91	1	0	S 67 E		.50	128.11	127.23			15.16
8200.	8196.91	0	45	S 76 E		.29	127.62	126.91			13.89
8300.	8296.90	0	30	N 59 E		.53	127.96	127.36			13.14
8400.	8396.90	0	0	N 11 E		.50	127.96	127.36			13.14
8500.	8496.90	0	0	N 11 E		.00	127.96	127.36			13.14
8600.	8596.90	0	0	N 11 E		0.00	127.96	127.36			13.14
8700.	8696.90	0	15	N 50 W		.25	128.29	427.64			13.48
8800.	8796.89	0	45	N 59 W		.50	129.11	128.31			14.60
8900.	8896.88	0	45	N 60 W		.01	129.91	128.97			15.73
9000.	8996.88	0	30	N 61 W		.25	130.43	129.39			16.50
9100.	9096.88	0	30	N 62 W		.01	130.94	129.80			17.27
9150.	9146.87	0	45	S 52 W		1.42	130.61	129.40			17.78

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THE CALCULATION PROCEDURES ARE BASED ON THE USE OF THE TANGENTIAL OR CHORD METHOD
HORIZONTAL DISPLACEMENT = 130.61 FEET AT NORTH 7 DEG. 0 MIN. WEST (TRUE)

MD 9150
TVD 9146.87

7000
9000
8000
6000

DAVID FASKEN
YATES HORNBAKER WELL NO.1
EDDY COUNTY, NEW MEXICO
MAGNETIC MULTISHOT SURVEY
4-11-72
JOB NO. MS-6226
1200 TO 9150 FT.

HORIZONTAL DISPLACEMENT = 130.61 FT. AT
NORTH 7 DEG. 0 MIN. WEST (TRUE)

SPERRY-SUN WELL SURVEYING COMPANY
HORIZONTAL PROJECTION
SCALE 1" = 20'

ORIGIN AT 1200 FT.



Case 4803

Memo

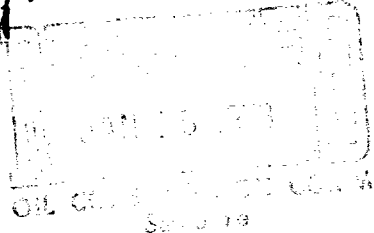
From

W. A. Gressett, Supervisor and
Oil & Gas Inspector

To Dan Rutter
They did not hit the target as
approved by Order R-4391
However it doesn't look like they
have a well, so it may not make
any difference.
What do you think.

File Case 4803

surf loc: 1980' FNL 660' FEL
25-18-25



over

Target area (R 4391): bottom
ft within 50 of a point 500
ft from N line 600 ft from
East line of Sec 25

Told Bessett over the
phone to remind Yates
Potter when approving
the C-103 that a hearing
to amend R 4391 would be
necessary before
producing the WRC,
provided production
is obtained

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LAND OFFICE	
OPERATOR	

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NEW MEXICO OIL CONSERVATION COMMISSION

JUN 19 1973

O. C. C.
ARTESIA OFFICE

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

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. OIL WELL ☐ GAS WELL ☒ OTHER ☐	7. Unit Agreement Name
2. Name of Operator Yates Petroleum Corporation	8. Farm or Lease Name Kincaid "BI" Com
3. Address of Operator 207 South 4th Street - Artesia, NM 88210	9. Well No. 2
4. Location of Well UNIT LETTER <u>A</u> <u>600</u> FEET FROM THE <u>North</u> LINE AND <u>610</u> FEET FROM THE <u>East</u> LINE, SECTION <u>25</u> TOWNSHIP <u>18S</u> RANGE <u>25E</u> NMPM.	10. Field and Pool, or Wildcat Atoka W. (Morrow)
15. Elevation (Show whether DF, RT, GR, etc.) 3438 GR	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☒	OTHER <u>Directional Srvy, Perf. SF</u> ☒

17. 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.

Well was drilled to TD of 9029', logged and directionally surveyed. Bottom hole location at 7560 was 15' North 28' West of casing shoe, with 1/2-1 degree to TD. The Morrow "B" sand was tested at 8800-8875', flowed gas at 2# TP on 1/4" choke; tested again at 8855-8930', flowed gas at 4# TP on 1/4" choke, recovered 90' muddy formation water. Well was plugged back to 7486' as approved by Mr. Bill Gressett NMOCC, Oil & Gas Inspector, with 65 sacks Class H cement at 9010-8800' and 175 sx Class H w/15% Sd & 3/4% CFR-2 at 7800-7400', dressed to 7486' w/BH location at 17' North and 27' West of casing shoe. Well was directionally drilled to new TD of 8955'; tested at 8883-8907', GTS in 32", TSTM, rec. 280' SGCM; tested 8886-8955; GTS in 8", 14#TP on 1/2" ck, rec. 220' GCM & 1100' Fm. Wtr. Unable to log open hole. Ran 4 1/2" casing as follows: Float shoe and collar at 8962', 9 jts 11.6# N-80 (289'), 62 jts 11.6# K-55 (2005'), 193 jts 10.5# K-55 (6666'), cmtd with 100 sx Pozlite, 0.5% D60 & 0.2% D-65 followed by 150 sx expanding cement 0.2% D-74. PD 9:20 AM 12-3-72, top of cmt at 7960'. WOC 120 hrs, logged & perf. well at 8891-8896' w/10 jets, ran 2" tbg & set packer at 8850. Sand Frac W/ 7900# 20-40 & 1000# 20-40 beads in 230 bbls treated gel wtr. No recovery. BH location is 133' N & 167' East.

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

SIGNED Eddie M. Hartsfield TITLE Engineer DATE 1-9-73

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



EASTMAN OIL WELL SURVEY COMPANY

P. O. DRAWER 1112 2310 E. EIGHTH STREET ODESSA, TEXAS 79760 337-3515 AREA CODE 915

CABLE ADDRESS "EASTCO" HOUSTON

December 7, 1972

SYMBOL OF SERVICE

THE STATE OF TEXAS

COUNTY OF ECTOR

R. J. Brinlee & Glen Harbert being duly sworn, depose and says that: They are employed by the Eastman Oil Well Survey Company, as well bore surveyors, in charge of the following described survey; and that a Magnetic Multiple Shot Survey was run from, 1100 feet to 7300 feet, and a Single Shot Survey was run from 7400 feet to 8437 feet, measured depth.

Said well more particularly described by operators, as follows:

YATES PETROLEUM COMPANY
KINCAID WELL # 2
EDDY COUNTY, NEW MEXICO

That the attached documents, namely title sheet, computation sheets, and one plan showing the True Vertical Depth of 8423.52 feet, the well being 117.84 feet, in a direction of North 48 degrees, 21 minutes, East.

This is a full, true and correct representation of the said survey, to the best of their knowledge.

R. J. Brinlee
R. J. Brinlee

Subscribed and sworn to, before me

this 7th day of December, 1972.

Glen Harbert
Glen Harbert

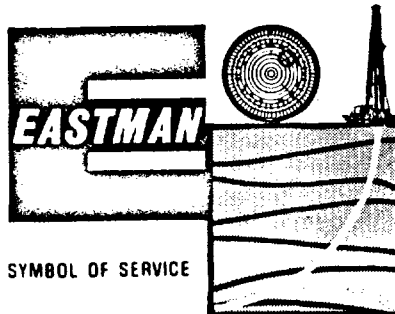
Dorothy Conklin
Dorothy Conklin, Notary Public in and for

the County of Ector, State of Texas.

RECEIVED

JAN 9 1973

O. C. C.
ARTESIA, OFFICE



REPORT of SUB-SURFACE DIRECTIONAL SURVEY

Yates Petroleum Company
COMPANY

Kincaid Well # 2
WELL NAME

Eddy County, New Mexico
LOCATION

JOB NUMBER

WTS 114772

TYPE OF SURVEY

MMS / SS

DATE

December 7, 1972

SURVEY BY
R.J. Brinlee & Glen Harbert

OFFICE
Odessa, Texas



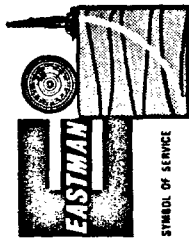
RECORD OF SURVEY

JOB NO. WTS 114772

DATE December 6, 1972

CHECKED BY

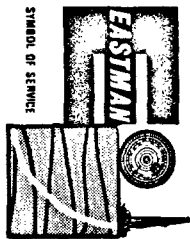
STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
1	1100	2°			80	N 85 E	07		80	
2	1200	2°			49	N 81 E	62		4 25	
3	1300	2°			49	N 79 E	29		7 68	
4	1400	2°			49	N 84 E	1 65		11 15	
5	1500	1° 45'	1499	76	05	N 84 E	1 97		14 19	
6	1600	1° 45'			05	N 86 E	2 18		17 24	
7	1700	1° 45'			05	N 84 E	2 50		20 28	
8	1800	1° 45'			05	N 88 E	2 61		23 33	
9	1900	1° 45'			05	N 89 E	2 66		26 38	
10	2000	1° 30'	1999	53	62	S 86 E	2 48		28 99	
11	2100	1° 30'			18	S 87 E	2 34		31 60	
12	2200	1° 15'			75	N 86 E	2 49		33 78	
13	2300	1°			75	N 89 E	2 52		35 52	
14	2400	1°			75	N 72 E	3 03		37 19	
15	2500	1°	2499	42	75	N 83 E	3 24		38 92	
16	2600	1°			75	N 78 E	3 60		40 63	
17	2700	1°			75	N 78 E	3 96		42 34	
18	2800	1°			75	N 82 E	4 20		44 07	
19	2900	45'			31	N 83 E	4 36		45 37	
20	3000	30'	2999	35	87	N 78 E	4 54		46 22	
21	3100	30'			87	N 78 E	4 72		47 07	
22	3200	30'			87	S 88 E	4 69		47 94	
23	3300	30'			87	N 77 E	4 87		48 79	
24	3400	15'			44	N 83 E	4 92		49 22	
25	3500	30'	3499	35	87	N 36 E	5 27		49 48	



RECORD OF SURVEY

JOB NO. WTS 114772 DATE December 7, 1972 CHECKED BY

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
26	3600	15'			44	N 76 E	5 38		49 90	
27	3700	15'			44	N 16 E	5 80		50 02	
28	3800	15'			44	N 26 W	6 19		49 83	
29	3900	30'			87	N 08 E	7 05		49 95	
30	4000	15'	3999		44	N 33 W	7 42		49 71	
31	4100	30'			87	N 09 W	8 28		49 57	
32	4200	45'			1 31	N 40 W	9 28		48 73	
33	4300	30'			87	N 45 W	9 90		48 11	
34	4400	45'			1 31	N 55 W	10 65		47 04	
35	4500	45'	4499		1 31	S 89 W	10 63		45 73	
36	4600	1°			1 75	S 64 W	9 87		44 16	
37	4700	1°			1 75	S 81 W	9 60		42 44	
38	4800	45'			1 31	S 70 W	9 15		41 21	
39	4900	45'			1 31	S 66 W	8 62		40 01	
40	5000	1°	4999		1 75	S 82 W	8 38		38 28	
41	5100	1°			1 75	S 75 W	7 93		36 59	
42	5200	1°			1 75	S 71 W	7 39		34 93	
43	5300	1°			1 75	S 60 W	6 52		33 42	
44	5400	1° 30'			2 62	S 81 W	6 11		30 83	
45	5500	1° 30'			2 62	S 87 W	5 97		28 22	
46	5600	1° 45'	5499		3 05	S 89 W	5 92		25 17	
47	5700	2°			3 49	N 85 W	6 22		21 69	
48	5800	2°			3 49	N 85 W	6 52		18 21	
49	5900	2°			3 49	N 79 W	7 19		14 78	
50	6000	2°	5998		3 49	N 80 W	7 80		11 34	



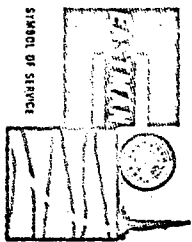
RECORD OF SURVEY

JOB NO. WTS 114772 DATE December 7, 1972

CHECKED BY

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
51	6100	2°			3 49	N 80 W	8 41		7 90	
52	6200	2°			3 49	N 76 W	9 25		4 51	
53	6300	2°			3 49	N 80 W	9 86		1 07	
54	6400	1° 45'			3 05	N 75 W	10 65			1 88
55	6500	2°	6498	54	3 49	N 63 W	12 23			4 99
56	6600	1° 45'			3 05	N 60 W	13 76			7 63
57	6700	1° 45'			3 05	N 63 W	15 15			10 35
58	6800	2°			3 49	N 56 W	17 10			13 24
59	6900	2°			3 49	N 72 W	18 18			16 56
60	7000	1° 45'	6998	27	3 05	N 73 W	19 07			19 48
61	7100	1° 30'			2 62	N 86 W	19 25			22 09
62	7200	1°			1 75	S 71 W	18 68			23 74
63	7300	30'			87	S 61 W	18 27			24 51
64	7400	1°			1 75	S 68 W	17 62			26 13
65	7486	30'	7484	20	75	S 36 W	17 01			26 57
66	7551	1° 30'			1 70	N 66 E	17 70			25 02
67	7630	1° 30'			2 07	N 88 E	17 77			22 95
68	7661	1° 30'			81	N 83 E	17 87			22 15
69	7690	3° 15'			1 64	N 87 E	17 96			20 51
70	7774	5° 45'	7771	67	8 42	N 79 E	19 57			12 24
71	7837	6° 15'			6 86	N 74 E	21 46			5 65
72	7901	6° 45'			7 52	N 73 E	23 66			
73	7998	7° 45'			13 08	N 66 E	28 98			
74	8060	8° 15'			8 90	N 60 E	33 43			
75	8118	11°	8112	26	11 07	N 62 E	38 63			

RECORD OF SURVEY



JOB NO. WTS 114772

DATE December 7, 1972

CHECKED BY

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
76	8180	11° 15'			12 10	N 61 E	44	50	41	55
77	8243	12°			13 10	N 59 E	51	24	52	78
78	8338	13° 15'			21 77	N 53 E	64	34	70	17
79	8437	13° 15'	8423	52	22 69	N 52 E	78	31	88	05
Closure: 117.84' North 48° 21' East										
80	8554	13° 15'			26 82	N 53 E	94	45	109	47
81	8677	13° 15'			27 68	N 52 E	111	49	131	28
82	8800	12°			25 57	N 54 E	126	52	151	96
83	8900	11° 30'			19 94	N 52 E	138	79	167	67
Closure: 117.84' North 48° 21' East										
217 North 48° 21' East										

YATES PET. CO.

KINCAID NO.2

EDDY CO. N.M.

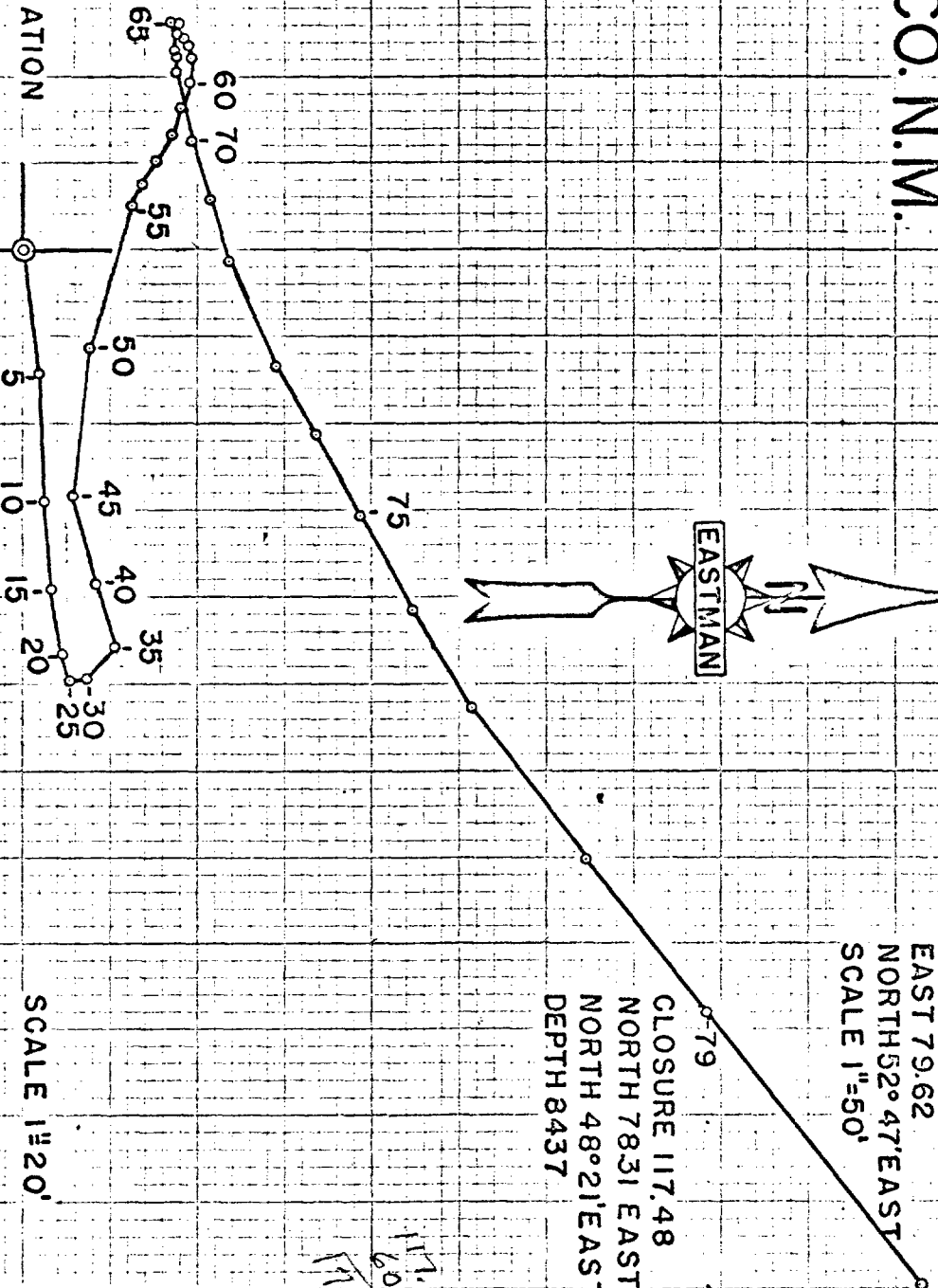
WTS 114772



CLOSURE FROM 8437 TO 8900
NORTH 60.48
EAST 79.62
NORTH 52° 47' EAST
SCALE 1"=50'

79
CLOSURE 117.48
NORTH 78.31 EAST 88.05
NORTH 48° 21' EAST
DEPTH 8437

HOLE LOCATION
AT 1077'
BOTTOM OF SURFACE
PIPE



SCALE 1"=20'