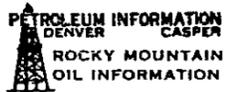


Eastern Petroleum 36 Santa Fe  
E/4-SW/4 Sec. 21 - Twp. 20N - R27E  
264

P-W



264  
ARIZONA  
APACHE CO.  
NAVAJO SPRINGS (D)



Twp 20n-27e  
Section 21  
ne sw  
1650 n/s 1650 e/w

WELL #: 36 Eastern-Santa Fe-Fee

OPR: Eastern Pet

ELEV: 5705 Gr

TOPS: ~~xxxxxx~~

No tops reported

DSTS. & CORES:  
No cores or tests

Contr: not reported

SPUD: 1-22-64      COMPL: 1-29-64

TD: 1285      PB:

CSG: 7" @ 252 w/15

PERF:

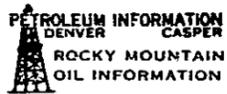
PROD. ZONE:

INIT. PROD: D&A

(RE-ISSUED CARD)

ARIZ14-568060

264  
ARIZONA  
APACHE CO.  
NAVAJO SPRINGS (D)



Twp 20n-27e  
Section 21  
ne sw  
1650 n/s 1650 e/w

OPR: Eastern Pet

WELL #:

36 Eastern-Santa Fe-Fee

ELEV: 5705 Gr.  
TOPS: Log-Sample

DSTS. & CORES:

SPUD: COMPL:

TD: approx 1200 PB:

CSG:

PERF:

PROD. ZONE:

INIT. PROD: D & A  
ARIZ 4-463260

(CARD WILL BE RE-ISSUED WHEN DATA RELEASED)

## WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well  Work-Over  Deepen  Plug Back  Same Reservoir  Different Reservoir  Oil  Gas  Dry

### DESCRIPTION OF WELL AND LEASE

Operator **Eastern Petroleum Company** Address **P. O. Box 291, Carmi, Illinois**

Federal, State or Indian Lease Number or name of lessor if fee lease **Eastern-Santa Fe Fee** Well Number **36** Field & Reservoir **Wildcat**

Location **1650' N of SL; 1650' E of WL** County **Apache**

Sec. TWP-Range or Block & Survey **21-20N-27E**

Date spudded **1-22-64** Date total depth reached **1-28-64** Date completed, ready to produce **---** Elevation (DF, RKB, RT or Gr.) **5705 Gr.** feet Elevation of casing hd. flange **---** feet

Total depth **1285** P.B.T.D. **---** Single, dual or triple completion? **---** If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **---** Rotary tools used (interval) **0-1285** Cable tools used (interval) **---**

Was this well directionally drilled? **No** Was directional survey made? **No** Was copy of directional survey filed? **---** Date filed **---**

Type of electrical or other logs run (check logs filed with the commission) **Schlumberger induction-electric** Date filed **1-18-65**

### CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	8 3/4	7	20	152	15	-0-

### TUBING RECORD

### LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	ft.		

### PERFORATION RECORD

### ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval

### INITIAL PRODUCTION

Date of first production **---** Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): **---**

Date of test **---** Hrs. tested **---** Choke size **---** Oil prod. during test **---** Gas prod. during test **---** Water prod. during test **---** Oil gravity **---**  
bbls. MCF bbls. ° API (Corr)

Tubing pressure **---** Casing pressure **---** Cal'd rate of Production per 24 hrs. **---** Oil **---** Gas **---** Water **---** Gas-oil ratio **---**  
bbls. MCF bbls.

Disposition of gas (state whether vented, used for fuel or sold): **---**

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **Secretary** of the **Eastern Petroleum Company** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

**2-1-65**  
Date

Signature *J. H. ...*

Permit No. **264**

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Well Completion or Recompletion Report and Well Log

Form No. 4

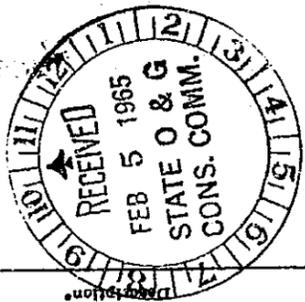
File One Copy

Form No. 4  
 Attach drillers log or other acceptable log of well.  
 This Well Completion or Recombination report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than  
 thirty days after project completion.

INSTRUCTIONS:  
 Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open,  
 flowing and shut-in pressures, and recoveries.

--	--	--	--

DETAIL OF FORMATIONS PENETRATED



Bottom

Top

Formation

**PLUGGING RECORD**

Operator <b>Eastern Petroleum Company</b>		Address <b>Box 291, Carmi, Illinois</b>		
Name of Lease <b>Eastern-Santa Fe Fee</b>		Well No. <b>36</b>	Field & Reservoir <b>Wildcat</b>	
Location of Well <b>1650' N of SL; 1650' E of WL</b>		Sec-Twp-Rge or Block & Survey <b>21-20N-27E</b>		County <b>Apache</b>
Application to drill this well was filed in name of <b>Eastern Petroleum Company</b>	Has this well ever produced oil or gas <b>No</b>	Character of well at completion (initial production): Oil (bbbls/day)      Gas (MCF/day)      Dry? <b>Yes</b>		
Date plugged: <b>1-29-64</b>	Total depth <b>1285</b>	Amount well producing when plugged: Oil (bbbls/day)      Gas (MCF/day)      Water (bbbls./day)		
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.	
<b>Coconino</b>				
<b>No shows</b>				

**CASING RECORD**

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped etc)	Packers and shoes
<b>7"</b>	<b>152</b>	<b>0</b>	<b>152</b>		

Was well filled with mud-laden fluid, according to regulations? **Yes**      Indicate deepest formation containing fresh water.

**NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE**

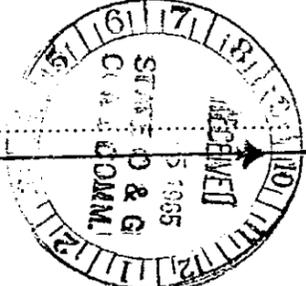
Name	Address	Direction from this well:
<b>R. C. Spurlock</b>		<b>All</b>

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

Use reverse side for additional detail  
File this form in duplicate with the State of Arizona Oil & Gas Conservation Commission

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the.....**Secretary**.....of the **Eastern Petroleum Company**.....(company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

**12-28-64**  
Date



*[Signature]*  
Signature

**STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION**

Form No. P-15      Plugging Record      File two copies

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat  
OPERATOR Eastern Petroleum Company ADDRESS Box 291, Carmi, Illinois  
LEASE Eastern-Santa Fe Fee WELL NO. 36 COUNTY Apache  
SURVEY 20N-27E SECTION 21 DRILLING PERMIT NO. 264  
LOCATION 1650' N of SL; 1650' E of WL

TYPE OF WELL Dry Hole TOTAL DEPTH 1285  
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned)

LAST PRODUCTION TEST OIL \_\_\_\_\_ (Bbls.) WATER \_\_\_\_\_ (Bbls.)  
GAS \_\_\_\_\_ (MCF) DATE OF TEST \_\_\_\_\_

PRODUCING HORIZON \_\_\_\_\_ PRODUCING FROM \_\_\_\_\_ TO \_\_\_\_\_

1. COMPLETE CASING RECORD

152' - 7" surface casing

2. FULL DETAILS OF PROPOSED PLAN OF WORK

Fill hole w/heavy drilling mud to bottom of surface casing.  
Plug surface w/cement and weld on 4' marker above ground.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? Yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS 1-29-64

NAME OF PERSON DOING WORK A. K. Schneider ADDRESS Navajo, Arizona

CORRESPONDENCE SHOULD BE SENT TO Box 291, Carmi, Illinois

NAME J. Edwards

TITLE Secretary

John Bannister  
STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

Date Approved 1-28-65



264

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Application to Abandon and Plug  
Form No. 15A File 2 Copies

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL  DEEPEN  PLUG BACK

NAME OF COMPANY OR OPERATOR **Eastern Petroleum Company** DATE **1-10-64**  
**Box 291** **Carmi** **Illinois**  
 Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease <b>Eastern-Santa Fe Fee</b>	Well number <b>36</b>	Elevation (ground) <b>5705</b>
Well location <b>1650 N. of S.L. &amp; 1650' E. of W.L.</b>	Section—township—range or block & survey <b>21-20N-27E</b>	
Field & reservoir (if wildcat, so state) <b>Navajo Springs</b>	County <b>Apache</b>	
Distance, in miles, and direction from nearest town or post office <b>Approx. 4 miles SE of Navajo</b>		
Nearest distance from proposed location to property or lease line: <b>1650'</b> feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: -- feet	
Proposed depth: <b>1200'</b>	Rotary or cable tools <b>Rotary</b>	Approx. date work will start <b>1-18-64</b>
Number of acres in lease: <b>640</b>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>One</b>	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address

Status of bond  
**Blanket**

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

\* Fill in Proposed Casing Program on other side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **Secretary** of the **Eastern Petroleum Company** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date **1-10-64**

Signature *J. M. Edwards*

Permit Number: **264**  
 Approval Date: **1-14-64**  
 Approved By: *[Signature]*

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

See Instruction on Reverse Side of Form

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

Application to Drill, Deepen or Plug Back

Form No. P-1

File two copies

Effective Feb. 28, 1962.

OK  
264

INSTRUCTIONS

READ CAREFULLY AND COMPLY FULLY

For the purpose of this determination attach hereto a neat, accurate plat, map or sketch of this lease, section, block or lot locating thereon the proposed site for this location. Plat shall be drawn to a scale which will permit the facile observation of all pertinent data. Show distances of the proposed well from the two nearest lease and section lines, and from the nearest wells on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well, and the names and addresses of all adjoining lease or property owners.

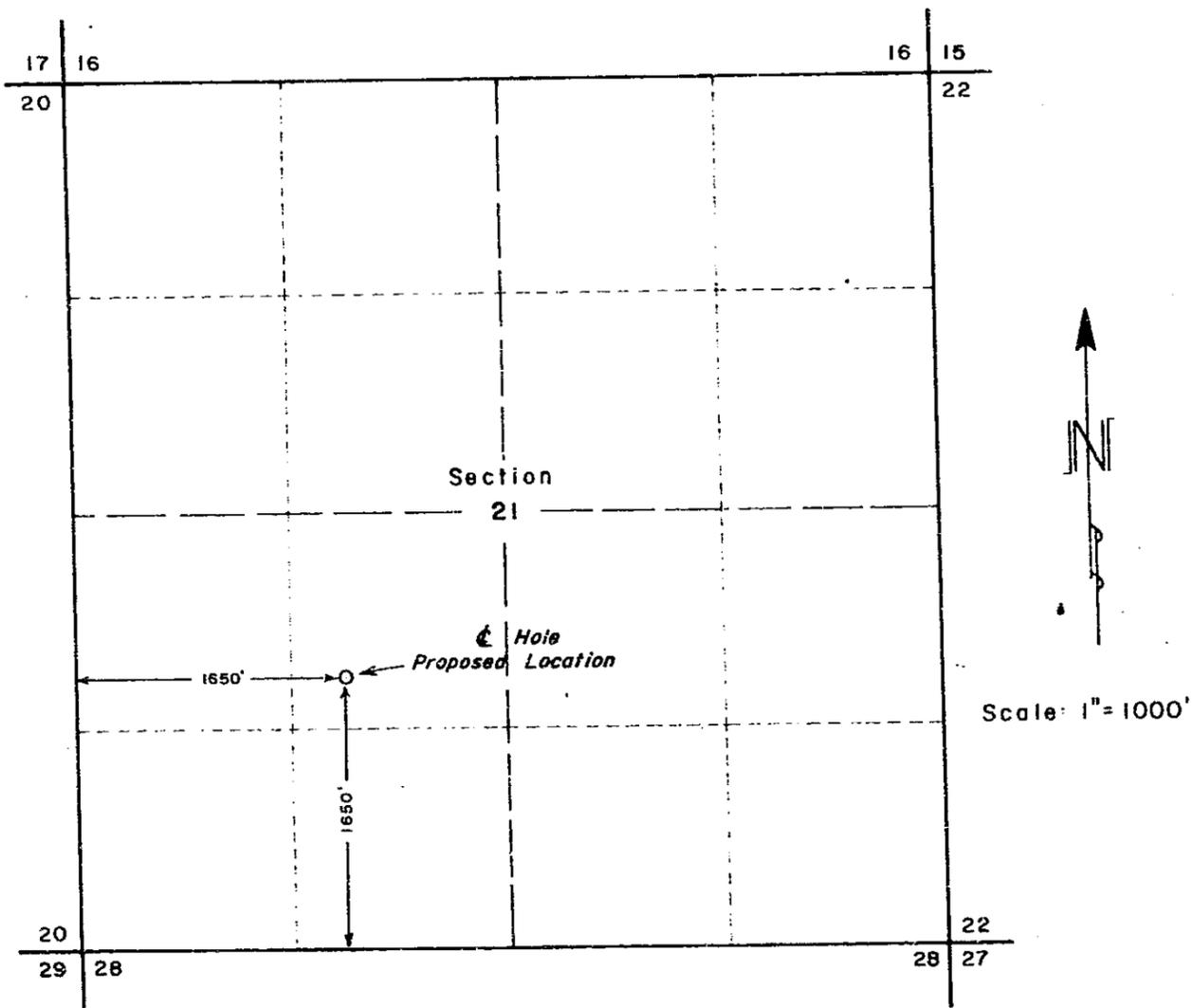
In event plat is filed for the purpose of designating the drilling and producing unit, or proration unit, on which the proposed well is to be drilled, the boundaries of such unit shall be shown, also the boundaries of all other such units attributed to other wells on the same lease completed in or drilling to the same reservoir. The acreage contained within each unit shall also be shown.

Do not confuse survey lines with lease lines. The sketch or plat should show your entire lease if possible. If it is not practical to show the entire lease and the plat shows only a section, block or lot out of your lease, you should clearly show that same is only a part of the lease.

Designate scale to which plat or sketch is drawn. Also designate northerly direction on the sketch or plat.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
Surface						
8 5/8		H-40	-0-	90	90	25



**WELL LOCATION: Eastern Petroleum - Santa Fe # 36**

Located 1650 feet North of the South line and 1650 feet East of the West line of Section 21,  
 Township 20 North, Range 27 East, Gila & Salt River Meridian  
 Apache Co., Arizona  
 Existing ground elevation determined at 5705 feet based on adjoining well locations.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief

*Frederick H. Reed*

FREDERICK H REED  
 Registered Land Surveyor  
 State of Arizona # 5313



**EASTERN PETROLEUM**

**WELL LOCATION PLAT**  
 Sec. 21, T. 20 N., R. 27 E.  
 Apache Co., Arizona

E.M. CLARK & ASSOC.  
 Durango, Colorado

DATE Dec. 30, 1963  
 FILE NO 63081

964

Operator Eastern Petroleum Company

Bond Company U. S. Fidelity & Guaranty Co. Amount \$10,000

Bond No. 27716-13-3746-60 Date Approved 8-1-60

Permits covered by this bond:

*SEE  
this  
file*

- |              |       |
|--------------|-------|
| <u>269</u> ✓ | 234 ✓ |
| <u>81</u> ✓  | 230 ✓ |
| <u>252</u> ✓ | 229 ✓ |
| <u>251</u> ✓ | 237 ✓ |
| <u>107</u> ✓ | 236 ✓ |
| <u>207</u> ✓ | 218 ✓ |
| <u>157</u> ✓ | 209 ✓ |
| <u>88</u> ✓  | 206 ✓ |
| <u>80</u> ✓  | 194 ✓ |
| <u>78</u> ✓  | 188 ✓ |
| <u>264</u> ✓ | 155 ✓ |
| <u>263</u> ✓ | 150 ✓ |
| <u>273</u> ✓ | 152 ✓ |
| <u>259</u> ✓ | 109 ✓ |
| <u>258</u> ✓ | 108 ✓ |
| <u>255</u> ✓ | 107 ✓ |
| <u>282</u> ✓ |       |
| <u>250</u> ✓ |       |
| <u>276</u> ✓ |       |
| <u>284</u> ✓ |       |
| <u>227</u> ✓ |       |

**CANCELLED**

DATE Jan 11-22-65



OFFICE OF

**Oil and Gas Conservation Commission**

STATE OF ARIZONA

ROOM 208

1624 WEST ADAMS

Phoenix, Arizona 85007

PHONE: 271-3151

PAUL FANNIN  
GOVERNOR

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CHAIRMAN

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LUCIEN B. OWENS  
MEMBER

JOHN BANNISTER  
EXECUTIVE SECRETARY

JOHN K. PETTY  
PETROLEUM GEOLOGIST

February 3, 1965

Eastern Petroleum Company  
P.O. Box 291  
Carmi, Illinois

Attention: Mr. J.N. Edwards, Secretary

Gentlemen:

Thank you very much for forwarding us the Application to Abandon and Plug and Plugging Records for many of your wells.

So that the files may be completed in accordance with Arizona's Rules and Regulations, we do need the Well Completion Report. We are enclosing the necessary forms and request that these be forwarded to us at your earliest convenience.

Yours very truly,

James R. Scurlock  
Geologist

mr  
enc

Permit: 250  
259  
264  
268  
269  
273  
276  
282  
284  
289  
296

November 9, 1964

Mr. Henry Falley, President,  
Eastern Petroleum Company  
P.O. Box 191  
Carmi, Illinois

Dear Hugh:

Please send us logs, plugging records, and/or completion re-  
ports on the following wells:

Wells To Use	273
28	File 276
29	282
30	283
31	287
32	284
33	269
34	(have log, but no other info) File 263
35	267

If any of these wells are now active, would appreciate a cur-  
rent drilling report. (Form II, enclosed.)

John and I visited on a recent trip that some of your wells  
need clean.

Yours very truly,

J.H. Searlock  
Geologist

JS  
etc

COPY

ARKANSAS LOUISIANA GAS COMPANY

Shreveport, Louisiana

August 14, 1964

Arizona Oil and Gas Commission  
1624 West Adams  
Phoenix, Arizona

Attention: Mr. John Rumpster

Gentlemen:

In accordance with your request to receive the test results on the wells in the Navajo Springs Field, Apache County, Arizona, we are enclosing herewith, in duplicate, the results of these tests.

Each well was tested at what we speak of as a maximum rate of flow - that is, the maximum rate at which we produced the well; and the rates of flow where the wellhead pressure approached 100 pounds. This is indicated under Column 2 where it says, "Well Tubing Pressure-PSIG." You will note that a volume of 1800 MCFPD was measured from eight wells, testing these wells from 15 to 18 1/2 hours each. These are our field calculations, and there may be a slight change in the total volume when the final calculations are determined. The volumes of gas in MCFPD have

been corrected to indicate the standard conditions of measuring gas at 15.025 pressure base.

I would like to take this opportunity to express to you how much I appreciate you and your staff turning over the records of the Conservation Office and the assistance which was given to me on my two trips to Phoenix. If the volumes are any different on our final calculations, I will forward a copy to your office.

Yours very truly,

ARKANSAS LOUISIANA GAS COMPANY

(signed)  
P. B. Hanson  
Production Engineer

PBH:kt  
Enclosures

263

264

FLOW RATES ON WELLS  
IN NAVAJO SPRINGS FIELD, APACHE COUNTY, ARIZONA

RATES WITH PRESSURE CLOSE TO 100#

SIP	WELL NAME	ORIFICE SIZE	WELL TUBING	2" PROVER PRESS - PSIG	HOURS TESTED	VOLUME MCFPD	
106.7	Santa Fe 35	7/16	96.0	91.5	15 1/2	365	
106.7	" " 31	3/16	95.9	99.9	17 1/2	63	
106.6	" " 32	1/8*	105.7	105.7	17 1/2	39	
133.8	" " 21	1/16	59.5	59.5	8 1/2	4	
105.6	" " 13		99.8	42.9	15	990	
105.4	" " 7	1/8*	99.9	99.9	15 1/4	4	
105.4	" " 14	3/8	97.4	97.4	15 1/2	270	
105.5	" " 17	3/16	98.5	98.5	16 3/4	70	
201.5	" " 8		91 - 93	12 - 13 1/2	18 1/4	7 bbls. salt water/hr.	
105.5	" " 2	Well pulled down for small vol. water & gas, slightly salty.					1800 MCFPD
* Orifice well tester.							
After Testing		MAXIMUM RATE OF FLOW					
106.6	Santa Fe 35	3/4	80.1	55.1	1 1/2	668	
106.6	" " 31	1/2	76	76	1 1/2	394	
106.5	" " 32	1/2	Well tight pressure kept falling			39	
133.9	" " 21	Same as No. 21 above.					
105.6	" " 13		94.1	94.1	4	1900	
105.4	" " 7	1/2	33.9	33.9	2 1/4	28	
105.4	" " 14	7/8	71.6	39.7	3 1/4	700	
105.5	" " 17	7/8	19.7	19.7	2	435	
Not Taken	" " 8		9	13	18 1/4	448	
Not Taken	" " 2	Same as No. 2 above.					

264

Phillip B. Eymann  
August 13, 1964



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MEMBER

OFFICE OF  
**Oil and Gas Conservation Commission**  
STATE OF ARIZONA  
ROOM 202  
1624 WEST ADAMS  
Phoenix, Arizona 85007  
PHONE: 271-8161

JOHN BANNISTER  
EXECUTIVE SECRETARY  
JOHN K. PETTY  
PETROLEUM GEOLOGIST

August 5, 1964

Mr. J. N. Edwards  
Eastern Petroleum Company  
Box 291  
Carmi, Illinois

Dear Mr. Edwards:

In reviewing our files we find that we are without numerous and various forms necessary to complete our files in some cases, and in others the required forms are necessary that we may keep our files current with the operations of your wells. I am enclosing a substantial number of the required forms together with a guide so that you may fill out the proper information with the wells concerned. Inasmuch as we are trying to stay current your early cooperation will be appreciated.

If there is any assistance that we may give please advise.

Very truly yours,

Bill Cooper  
Records Section

January 20, 1964

Mr. J. N. Edwards, Secretary  
Eastern Petroleum Company  
P. O. Box 291  
Carmi, Illinois

Re: #36 Eastern-Santa Fe Fee, Sec.21-T20N-R27E  
#35 Eastern-Santa Fe Fee, Sec.27-T20N-R27E

Dear Mr. Edwards:

We are returning to you the approved copies of permits  
of above two wells.

Per your request, we mailed you 14 of the application  
forms several days ago. We are presently short of  
these forms, but as soon as our new supply is delivered,  
we will mail you a good number of them.

Sincerely,

John K. Petty  
Acting Executive Secretary

JKP:mkc  
Encl. 2

*Receipt also enclosed*

EASTERN PETROLEUM CO.  
ACCOUNT NO. 2

DETACH AND RETAIN THIS STATEMENT  
IF ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.  
CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DES. REQ'D.

INVOICE		DESCRIPTION	TOTAL AMOUNT	DEDUCTIONS		NET AMOUNT
DATE	NO.			DISCOUNT	FREIGHT	
		Application for permit to drill Santa Fe #36, Sec. 21-20N-27E, Apache Co., Arizona.				\$25.00

264