16.

## UNIT O STANES SUBMIT I DEPARTMEN' JF THE INTERIOR verse side) SUBMIT IN TRIPLIC GEOLOGICAL SURVEY

LEASE					
	Budget	Burea	u No	. 42–R	1424
	Form a	pprove	d.		

_		Budget	Bures	au N	o. 42–R	1424
	LEASE	DESIGN	ATION	AND	SERIAL	NO.

	N	M-730	1			
i.	IF	INDIAN,	ALLOTTEE	OR	TRIBE	NAME

SUBSPOUENT REPORT OF :

	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—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	OIL X GAS OTHER	7. UNIT AGREEMENT NAME
	NAME OF OPERATOR	8. FARM OR LEASE NAME
	Harvey E. Yates Company	East Lake Arthur Federal
	ADDRESS OF OPERATOR	9. WELL NO.
	P. O. Box 1933, Roswell, New Mexico 88201	2
٠.	LOCATION OF WELL (Report location clearly and in accordance with any State requirements IVE C	10. FIELD AND POOL, OR WILDCAT
	At surface 660' FNL & 1980' FWL	Wildcat
	JUN 3 0 1978	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
	<b>3011 3</b> 0 1370	Sec. 29, T-15S, R-27E
14	PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
	3442 6' CL	Chaves N. M.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO.		Bondadonia war and		
TEST WATER SHUT-OFF PULL OR ALTER CASING PRACTURE TREAT MULTIPLE COMPLETE SHOOT OR ACIDIZE ABANDON* CHANGE PLANS (Other)	-	WATER SHUT-OFF  FRACTURE THEATMENT  SHOUTING ACIDIZING  (Other) Plug back, recement 45" casing, perfora  (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		

17. DESCRIBE PROPOSED OF COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

## 6-6-78 - 6-8-78

- Ran CIBP and set at 1040' KB. Dumped 3 Sx cement on CIBP. PBTD 1005' KB.
- 2. Perforated 4½" casing with 2 shots at 770' KB.
- Loaded casing and broke circulation at 3 B/M at 200 psig.
- Ran Baker squeeze retainer on 2 3/8" tubing and set at 722' KB.
- 5. Re-cemented 4½" casing with 175 Sx Class "C" with 15# salt/sx from 722' KB to 231' KB. Full returns thru out job. Picked up and reversed out 1/2 bbl cement.

  6. WOC 48 hours.

  7. Perforate Queen from 638' to 644' KB. (12 holes).

- Acidized with 500 gals 15% NE acid. Formation broke at 100 psi at 2½ B/M at 650 psi. ISDP 500 psi; 10 min SIP 200 psi. Swabbed load, acid and formation water. No shows

SIGNED SIGNED	TITLE	Engineer	DATE June 27, 1978
(This space for Federal or State office use)  APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	ACTING DISTRICT ENGINEER	DATE JUN 3 9 1978

SUBMIT IN T-LICATE\* (Other instrums on reverse side)

Form approved. Budget Bureau No. 42-R1425.

N. UNITED STATES
DEPARTMENT OF THE INTERIOR

	DEPARTMENT	OF THE INT	ERIOR		5. LEASE DESIGNATION	AND SERIAL NO.
GEOLOGICAL SURVEY					NM-7301	
	N FOR PERMIT	O DRILL, DEE	PEN, OR PLUG E	BACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1a. TYPE OF WORK  DRI  b. TYPE OF WELL	LL 🗆	DEEPEN [	PLUG BA	CK 🛚	7. UNIT AGREEMENT N.	A M E
OIL KF G	AS OTHER		SINGLE MULTIN	PLE	S. FARM OR LEASE NAM	1 E
2. NAME OF OPERATOR	/	/			East Lake Art	hur Federal
	ites Company 🖊				9. WELL NO.	
3. ADDRESS OF OPERATOR					2	
P. O. Box 19	33, Roswell, Ne	ew Mexico 882	Ol y State remiremente ) \ UUI		10. FIELD AND POOL, O	R WILDCAT
At surface	660	FNL & 1980'	FWL TE IV	ED	Wildcat 11. SEC., T., E., M., OR B AND SURVEY OR AR	BLK. EA
At proposed prod. zon	e Same	2	JUN 3 0 19	78	Sec. 29, T-15	S, R-27E
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	REST TOWN OR POST OF			12. COUNTY OR PARISH	13. STATE
15. DISTANCE FROM PROPO	IGPD •	1 10	O. C. C.	-L17 WO	Chaves	N. M.
LOCATION TO NEAREST PROPERTY OR LEASE I	r	10.	280	TO T	OF ACEES ASSIGNED HIS WELL	
(Also to nearest drig 18. DISTANCE FROM PROP	g. unit line, if any)	19.	PROPOSED DEPTH	20 ROTA	AT OR CABLE TOOLS	
TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	10.	THOTOGED DELTH	20. 1011	TOR CABLE TOOLS	
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)				22. APPROX. DATE WO	RK WILL START*
ANN 10	3442.6' (	GL	· · · · · · · · · · · · · · · · · · ·		June 6, 19	78
23.	F	PROPOSED CASING A	ND CEMENTING PROGR.	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	1	QUANTITY OF CEMEN	T
follows:  1. Run CIBF 2. Perforat 3. Load cas 4. If circuand set 5. Re-cemer 6. WOC 48 h 7. Perforat	and set at 104 te 4½" casing wising and break callation is establet 722' KB. at 4½" casing windows.	40' KB with 3 ith 2 shots at circulation. olished, run B ith 175 Sx cem	sing, perforate  Sx cement on top 770' KB.  aker squeeze ret			
N ABOVE SPACE DESCRIBE cone. If proposal is to preventer program if an	PROPOSED PROGRAM: If p	proposal is to deepen o	r plug back, give data on p a on subsurface locations a  Engineer  APPROVAL DATE	resent prod	luctive zone and proposed d and true vertical depth	l new productive
APPROVED BY	e S. Lale	7	ACTING DISTRICT	ENGINEE	R DATE JUN	3 0 1978

# N. M. G. G. C. COPY

Form approved.

'orm Maj	DEPARTMENT OF THE INTERIOR verse side)  GEOLOGICAL SURVEY					5. LEASE DESIGNATION AND SERIAL NO.  NM-7301 6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
	SUN (Do not use this	DRY NOTH	CES AND REPOR	RTS ON V	VELLS different reservoir.			
	OIL KX GAS	OTHER				7. UNIT AGREEMENT NA		
	NAMB OF OPERATOR					8. FARM OR LEASE NAS		
	Harvey E. Ya	tes Compan	V //			East Lake Arth	nur Federal	
	ADDRESS OF OPERATO					9. WELL NO.		
		. 1000	Roswell, New Mex	xico 882	01	2		
	POST OTITE	Report location cli	early and in accordance w	ith any State re	equirements.•	10. FIELD AND POOL, 0	R WILDCAT	
<b>*</b> .	See also space 17 bel At surface		L & 1980' FWL	R .E	CEIVED	Wildcat 11. SEC., T., B., M., OR SURVEY OR AREA	BLK. AND	
					UN 3 0 1978	Sec, 29, T-1		
14.	PERMIT NO.		15. ELEVATIONS (Show wh	ether DF, RT, GR,	etc.)	12. COUNTY OR PARISI	1	
			3442.6'		O. C. C.	Chaves	N.M.	
 16.		Check Ap	propriate Box To Indi	cate Nature	TESIA, OFFICE of Notice, Report, or	Other Data		
		NOTICE OF INTEN	•	1		EQUENT REPORT OF:		
			<u></u>	7	WATER SHUT-OFF	REPAIRING	WELL	
	TEST WATER SHUT-	<u></u> 1	PULL OR ALTER CASING	-	FRACTURE TREATMENT	ALTERING (		
	FRACTURE TREAT		AULTIPLE COMPLETE	-		ABANDONME		
	SHOOT OR ACIDIZE		ABANDON*		(Other) Plug back,		XX	
	REPAIR WELL	[] ·	CHANGE PLANS		(Norr Report result	ts of multiple completion pletion Report and Log for	on Well	
	(Other)			pertinent detai	Completion or Recom	s, including estimated da	ite of starting any	
17.	proposed work.  nent to this work.	OR COMPLETED OPE If well is direction ) *	mally drilled, give subsurf	ace locations ar	ls, and give pertinent date od measured and true verti	ical depths for all marke	rs and zones perti-	
	5/31/78	Perforated	BP @ 1880' KB w Grayburg w/2 j 'tbg in hole &	et shots/	ment on top w/baft from 1130'63' KB.	ailer. PBTD 18 35' KB (10 hol	45' KB. es).	
	6/01/78	Acidized w 2.8 B/M @	7/500 gals 15% I 800 psi. ISDP	0S-30. Fo 600 psi.	ormation broke @ 10" SDP 550 ps	1200 psi & tre i.	ated @	
&	6/02/78 6/03/78	Swab teste swabbed di	ed. Recovered 2 ry.	28.5 BBL	ormation broke @ 10" SDP 550 ps	JUN 29 MEN MENICO	and	
						C Y AIN		

18. I hereby certify that the foregoing is frue and correct SIGNED	TITLE Engineer	DATE _6/27/78
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE ACTING DISTRICT ENGINEER	DATE JUN 3 0 1978

## M. M. O. C. C. COM

SUBMIT IN T LICATE. reverse sine)

ns on

(Other instr.

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** NM-7301 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DRILL DEEPEN [ PLUG BACK 🕅 b. TYPE OF WELL BINGLE MULTIPLE ZONE OIL WELL XX WELL S. FARM OR LEASE NAME OTHER 2. NAME OF OPERATOR East Lake Arthur Federal Harvey E. Yates Company 9. WELL NO. 3. ADDRESS OF OPERATOR Post Office Box 1933, Roswell, New Mexico 88201 10. FIELD AND POOL, OR WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with any State require en E) E | V E Dildcat At surface 11. BEC., T., R., M., OR BLK. AND SURVEY OR AREA 660' FNL & 1980' FWL At proposed prod. zone JUN 3 0 197/8 Sec. 29, T-15S, R-27E 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 12. COUNTY OR PARISH | 13. STATE O. C. C. Chaves 15. DISTANCE FROM PROPOSED\*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT 16. NO. OF ACRES IN APRIES ASSIGNED TO THIS WELL 280 (Also to nearest drlg. unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION\*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START 3442.6 GL <del>5/13</del>/78  $\overline{23}$ PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT RECEPTED.

JUN 29 1978

JUN 29 1978

JUN 29 1978

JUN 2100

JUN 21 We intend to plug back, perforate Grayburg formation and test as follows: Set CIBP on wireline @ 1880' & dump 35 ft cement Perf Grayburg 1130' to 1135' w/10 holes. 3. Acidize w/500 gals 15% DS-30. 4. Test. 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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

preventer program, if any. 24. Engineer 6/27/78 SIGNED TITLE DATE (This space for Federal or State office use) PERMIT NO. APPROVAL DATE \_ ACTING DISTRICT ENGINEER <u>JUN 3 0</u> 1978 APPROVED BY APPROVAL, IF ANY CONDITIONS #1

## IN ME US CONC. WUPT UNIT D STATES SUBMIT IN TRIPLIF DEPARTMEN. OF THE INTERIOR (Other instructions verse side) UNITED STATES

-6-4.E.

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

NM-7301	
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	•	GEOLOGICAL SURVEY		NM-7301	
(Do ne	SUNDRY NOT	FICES AND REPORTS Cosals to drill or to deepen or plug bation FOR PERMIT" for such pi	ON WELLS  mack to a different reservoir.  roposais.)	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
1.	GAS 🗀			7. UNIT AGREEMENT N	AME
WELL X	WELL OTHER			8. FARM OR LEASE NAI	M E
	ey E. Yates Comp	nany 🗸		East Lake Art	hur Federal
nalve 3. Address O	F OPERATOR	, any		9. WELL NO.	
Post	Office Box 1933	Roswell, New Mexico	o 88201	2	
See also sp	pace 17 below.)	clearly and in accordance with any		10. FIELD AND POOL, O	
At surface		DVI 6 10001 DVI	RECEIVE	Wildcat 5/4	
	660	FNL & 1980' FWL		SURVEY OR AREA	<b>\</b>
			JUN 3 0 1978	Sec. 29, T-1	
14. PERMIT NO	<b>).</b>	15. ELEVATIONS (Show whether DF		12. COUNTY OR PARISE	
		3442.6' GL	O. C. C.	Chaves	N.M.
16.	Check A	ppropriate Box To Indicate N	lature of Notice, Report, or (	Other Data	
	NOTICE OF INTE	NTION TO:	SUBSEQ	UENT REPORT OF:	
TEST WA	TER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
FRACTURE	TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	X ALTERING C	CASING
SHOOT OF	ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING X		
REPAIR W	ELL	CHANGE PLANS	(Other) Squeeze per (Note: Report result	rts; Re pert & s of multiple completion pletion Report and Log fo	on Well
17	PROPOSED OR COMPLETED OF	PERATIONS (Clearly state all pertinen	t details and give pertinent dates	. including estimated da	te of starting any
propose	I work. If well is direct this work.) *	ionally drilled, give subsurface loca	tions and measured and true vertice	cal depths for all marker	's and zones perti-
5/17/7		urton SV-EZ drill ret			
		116' w/150 sxs Class		ssure 1400 psi.	Reversed out
	½ BBL cemen	nt. POH w/tubing. W	OC.	-n/5T	)
5/18/7	O Porf Upper	San Andres from 1918	'-24' and 1934'-40	ECENTES).	Ran tubing &
3/10//	o reii uppei nacker. Se	et packer @ 1852' KB.	Acidized w/2500 ga	Is 15% DS-3Q-70/	100 1 11
	Formation l	broke @ 2350 psi & tr	pated 0 3 / B/M 0 25	00 newi 9 4 State 1	1600 psi.
	10" SIP 150				1411-1
				u.s. beulugical a Artesia, New Me	XICO
5/19/7		1		ARTESIA, NEW W.	
5/22/7	8 Swabbing 1	oad & acid water.		Mices	
5/23/7	8 Swabbed 40	0' fluid (200' oil &	200' formation water	). Pulled tubi	ing & packer
3,2-,.	оон.				
					/= 0000
5/24/7		a casing $w/20,000$ gal			
		and 15000 lbs 100 mes	<u> </u>		oetween stages.
~	Treated @	18B/M @ 3000 psi. IS	DF 1000. 10 51F 14	00.	
5/25/7	8 -				
5/28/7	8 Swabbing 1	oad & acid water - no	show of oil or gas.	(Continue	ed on back of pag
18. I hereby	certify that the foregoing	is frue and correct			
SIGNED .	JULK /	TITLE	Engineer	DATE <u>6/27/</u>	78
(This spa	ce for Federal or State of	fice use)/			
	Joo M		ACTING DISTRICT ENGINE	ER DATE JU	N 3 0 1978
APPROVI	ONE ADDROVAT IN	KNY.		DATE	LT

# Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment; data on any former or present information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonplent; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths, (top and bottom) and method of placement of cement plugs; and or other material placed below, between and above plugs; amount, size, method of parting of any casing, finer of tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

(Continued)

5/29/78 **-** 5/30/78

SD.

5/31/78

Swabbed 19 BBLS black formation water.

Water Analysis:

Sp Gr 1.025 7.0 рΗ Fe Strong trace H<sub>2</sub>S Na Strong trace & K 4048 ppm so<sub>4</sub> 3000 ppm Ca 7400 ppm NaC1 49500 ppm Mg 4010 ppm C1 30000 ppm H<sub>2</sub>CO<sub>3</sub> 1769 ppm

18. I hereby certify that the foregoing is true and correct SIGNED	TITLE _	Engineer	DATE6/27/78
(This space for Federal of State onice use)  APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE _	ACTING DISTRICT ENGINEER	DATEJUN_3 0_1978

Form approved.

(May 1963)		OI LD SIAILS	ATEDIOD (Other instructions	on re-	Budget Bureau No. 42-R1424.
	DEPAR	RTMENT OF THE I	NIERIOR verse side)		5. LEASE DESIGNATION AND SERIAL NO.
		GEOLOGICAL SUR	VEY		NM-7301
	e this form for pr	OTICES AND REPC	or plug back to a different reservoir		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1.					7. UNIT AGREEMENT NAME
OIL FT G	VELL OTHE	R			
2. NAME OF OPERA	ATOR				8. FARM OR LEASE NAME
Harvey E.	Yates Com	pany 🗸	·		East Lake Arthur Federal
3. ADDRESS OF OP	ERATOR		RECE	VE	DWELL NO.
Post Offi	ice Box 193	3, Roswell, New Me	exico 88201		2
Post Office Box 1933, Roswell, New Mexico 88201  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements, 3 0 1978  At surface 3 17 below.)				10. FIELD AND POOL, OR WILDCAT Wildcat ≤ A	
	60	60' FNL & 1980' FV	0. C.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
			ARTESIA, I	DFFICE	Sec. 29, T-15S, R-27E
14. PERMIT NO.		15. ELEVATIONS (Show v	whether DF, RT, GR, etc.)		12. COUNTY OR PARISH 13. STATE
		3442.6	'GI.		Chaves N.M.
16.	Charle		licate Nature of Notice, Repo	<b>-</b> C	
		Appropriate box to me	icule reduce of reonice, Repor	•	ENT REPORT OF:
		[-		5025240	]
TEST WATER S	SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF		REPAIRING WELL
FRACTURE TRE	AT	MULTIPLE COMPLETE	FRACTURE TREATMEN	TT	ALTERING CASING
SHOOT OR ACI	DIZE	ABANDON*	SHOOTING OR ACIDIZ		ABANDON MENT*
REPAIR WELL	REPAIR WELL CHANGE PLANS (Other) Plug back, perforate, test X  (Note: Report results of multiple completion on Well				
(Other)					etion Report and Log form.)
17. DESCRIBE PROPO proposed wo nent to this	ork. If well is di	o operations (Clearly state all rectionally drilled, give subsur	l pertinent details, and give pertinen face locations and measured and tru	it dates, e vertica	including estimated date of starting any i depths for all markers and zones perti-
5/13/78	1. Ran G	-O CIBP on wirelin	ne & set @ 2280' KB.	Dumpe	d 2 sxs cement on top of
- · · · ·		w/bailer. PB TD 2			= 1.12 coment on cop of
	10				
5/13/78	2. Perfo	rated San Andres 2	2074'-86'; 2102'-08';	2110'	-16' KB. Total 48 holes.

5/15/78 3. Acidized w/2500 gals 15% DS-30 w/60 ball sealers. Formation broke @ 1600 psi & treated @ 3 B/M @ 1400 psi. ISDP 700 psi. 10" SDP 50 psi. Swabbed 90 BBL load, acid & formation water in 9 hrs.

5/16/78 Swabbed 200 BBL formation water - no shows oil or gas.

Water Analysis:

8.0 рΗ 1.0 @ 86° Sp Gr C112000 ppm Fe trace good trace H<sub>2</sub>CO<sub>3</sub>NaC1 793 19740

SIGNED(This space for Federal or State office use)	TITLE _	Engineer	DATE _	6/27/78
APPROVED BY APPROVAL IF ANY.	TITLE _	ACTING DISTRICT ENGINEER	DATE _	JUN 3 0 1978

# NIME OF C. C. COPP

SUBMIT IN TRIPLICATE\*
(Other ins on on

Form approved. Budget Bureau No. 42-R1425.

5. LEASE DESIGNATION AND SERIAL NO.

# NITED STATES DEPARTMENT OF THE INTERIOR

**GEOLOGICAL SURVEY** NM - 73016. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DEEPEN [ PLUG BACK XX DRILL [ h TYPE OF WELL MULTIPLE ZONE SINGLE ZONE WELL XX S. FARM OR LEASE NAME OTHER East Lake Arthur Federal 9. WELL NO. 2. NAME OF OPERATOR Harvey E. Yates Company 3. ADDRESS OF OPERATOR 10. FIELD AND POOL, OR WILDCAT Post Office Box 1933, Roswell, New Mexico 88201 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) Wildcat 11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA RECEIVE 660' FNL & 1980' FWL At proposed prod. zone Sec. 29, T-15S, R-27
12. COUNTY OR PARISH | 13, STATE R-27E 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE® Chaves N.M. 17 NO. OF ACRES ASSIGNED TO THIS WELL 15. DISTANCE FROM PROPOSED\*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT 16. NO. OF ACRES IN LEASE O. C 280 OFFICE (Also to nearest drlg. unit line, if any) ARTESIA, 40 18. DISTANCE FROM PROPOSED LOCATION\*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START\* 3442.6' GL 5/13/78 23.PROPOSED CASING AND CEMENTING PROGRAM SETTING DEPTH SIZE OF CASING WEIGHT PER FOOT QUANTITY OF CEMENT SIZE OF HOLE Spot 2 sx cement plug w/dump bailer on top CIBP. JUN 2.9 1978

Perforate SAN ANDRES 2074' - 2116'.

Acidize w/2500 gals 15% DS-30 acid.

Test. 5/13/78 3. 5. 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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program it any. 24. DATE  $\frac{6/27/78}{}$ Engineer TITLE (This space for Federal or State office use) PERMIT NO. APPROVAL DATE TITLE ACTING DISTRICT ENGINEER DATE JUN 3 0 1979 APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

UI.. ED STATES SUBMIT UI...ED STATES
SUBMIT IN TRIP
OR PER CONTROL OF THE INTERIOR (Other Instructions on reverse side)

SUBMIT IN TRIP
OR PER BURGET BURGET NO. 42-R1424.

	GEOLOGICAL SURVEY	,	NM-7301			
- <del></del>	NOTICES AND REPORT proposals to drill or to deepen or populication for PERMIT—" for su	lug back to a different reservoir, ich proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
OIL GAS WELL OT	HER	RECEIVE	DUNIT AGREEMENT NAME  8. FARM OR LEASE NAME			
Harvey E. Yates Co	ompany V	JUN 3 0 197	East Lake Arthur Federal			
B. Address of Operator  Post Office Box 19	33, Roswell, New Mexi	co 88201	9. WELL NO.			
		any State requirements and FFIC				
At surface			Wildcat Sh			
	660' FNL & 1980' FWL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA			
			Sec. 29, T-15S, R-27E			
14. PERMIT NO.	15. ELEVATIONS (Show wheth	•	12. COUNTY OR PARISH 13. STATE			
	3442.6	' GL	Chaves N.M.			
Che	ck Appropriate Box To Indicat	te Nature of Notice, Report, or C	Other Data			
NOTICE OF	F INTENTION TO:	SUBSEQ	UENT REPORT OF:			
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL			
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING			
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*			
REPAIR WELL	CHANGE PLANS	(Other) Log, perforating & swabbing XX (Note: Report results of multiple completion on Well				
(Other)	TED OPERATIONS (Clearly state all per	Completion or Recomp	pletion Report and Log form.) , including estimated date of starting any			
nent to this work.) •  5/10/78 Ran GF	R-Collar log from 2373		ul depths for all markers and zones pertí-			
Acidiz 1.8 B/		arhead. Formation broke 250 psi. 10" SIP 1000 p	e @ 1700 psi & treated @ psi. Swabbed load. No			
5/12/78 Swabbe	ed load, acid & salty	formation water.	CEIVED  JUN 29 1918  JUN 29 1918  JUN 219 1918			
Water	Analysis:		NE			
	Density	1.025 @ 75°	CEIL			
	Fe	Strong	1810 "IEX			
	Na-K	15410 ppm	750 Miles			
	Ca	5400 ppm	1014 with a Exilor			
	Mg	1823 ppm	WALK W.			
	C1	38000 ppm	- brown w			
	pН	7.0	U. KIEL			
	H <sub>2</sub> S	None	4.			
	H <sub>2</sub> CO <sub>3</sub>					
	Nac1	62510				
18. I hereby certify the the form		7//				
SIGNED Leck /	TATALL TITLE	Engineer	DATE6/27/78			
(This space for Federal or St.	ate office use)	ACTING DISTRICT PRODUCT				
APPROVED BYCONDITIONS OF APPROVAL	L, IF ANY:	ACTING DISTRICT ENGINE	DATE JUN 3 0 1978			

Form 9-331 (May 1963)	UI .ED STATES  DEPARTMENT OF THE INTER  GEOLOGICAL SURVEY	SUBMIT IN TRIL ATE*  (Other instructions on re- verse side)	Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO. NM-7301
	DRY NOTICES AND REPORTS form for proposals to drill or to deepen or plug Use "APPLICATION FOR PERMIT—" for such i		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS WELL	OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR			8. FARM OR LEASE NAME
Harvey E. Yat	tes Company V		East Lake Arthur Federal 9. wmll No.
Post Office H	Box 1933, Roswell, New Mexico	88201	2
See also space 17 belo	eport location clearly and in accordance with any w.)	StatRedgirenen . VED	10. FIELD AND POOL, OR WILDCAT
At surface	660' FNL & 1980' FWL	JUN 3 0 1978	Wildcat A  11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14. PERMIT NO.	15. ELEVATIONS (Show whether D	•	Sec. 29, T-15S, R-27E  12. COUNTY OR PARISH   13. STATE
	3442.6' GL	ARTESIA, OFFICE	Chaves N.M.
16.	Check Appropriate Box To Indicate 1	Nature of Notice, Report, or C	Other Data
N	TOTICE OF INTENTION TO:	SUBSEQU	ENT REPORT OF:
TEST WATER SHUT-OF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE REPAIR WELL	XX ABANDON*  CHANGE PLANS	(Other)	ABANDONMENT*
	perf & test XX	(NOTE: Report results	of multiple completion on Well etion Report and Log form.)
17. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS (Clearly state all pertine well is directionally drilled, give subsurface locally drilled, give subsubsubsubsubsubsubsubsubsubsubsubsubs	ut details, and give pertinent dates.	including estimated date of starting any
2	Run GR-collar log Perforate SAN ANDRES 2316 Acidize w/500 gal 15% Special Test		it .
		REC	JUN 29 1918 JUN 29 1918  JUN 29 1918  JUN 29 1918
18. I hereby cervify that	And and assert	•	ARTESIA"