

District I
P.O. Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1 Operator Name and Address Apache Corporation attn: Dennis Bickford; 3rd floor 2000 Post Oak Blvd. Ste. 100 Houston, Texas 77056-4400		2 OGRID Number 873
4 Property Code 23108		3 API Number 30-025-35225
5 Property Name Livingston		6 Well No. 16

7 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
Lot 14	3	21-S	37-E		3240	South	1839	West	Lea

8 Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
9 Proposed Pool 1 Hare; San Andres East					10 Proposed Pool 2 Penrose Skelly; Grayburg				

11 Work Type Code N	12 Well Type Code O	13 Cable/Rotary R	14 Lease Type Code S	15 Ground Level Elevation 3448' KB
16 Multiple	17 Proposed Depth 4700'	18 formation San Andres	19 Contractor	20 Spud Date 11/15/2000

21 Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	1100'	450 sxs	Circulate to Surf
7 7/8"	5 1/2"	17#	4700'	700 sxs	Circulate to Surf

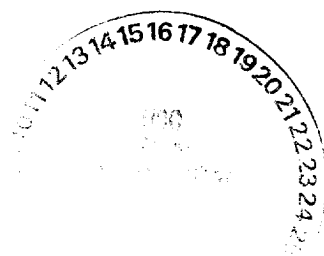
22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Propose to drill 12 1/4" hole to 1100' or 50' into Anhydrite Formation, run & set 1100' of 8 5/8" and cement,
Lead: Class "C" + 2% calcium chloride + 0.25 lb/sx cello flake + 0.005% gps FP-6L + 6% bentonite.
Tail: Class "C" + 2% calcium chloride + 0.005 gps FP-6L.
Drill 7 7/8" hole to 4700', run & set 4700' of 5 1/2" casing and cement.
Lead: 35:65 POZ: Class "C" + 5% sodium chloride + 0.25 lb/sx cello flake + 0.005 gps FP-6L + 8% bentonite.
Tail: 50:50 POZ: Class "H" + 5% sodium + .25 lb/sx cello flake + 1% FL-25 + 0.005 gps FP-6L + bentonite.

Blow Out Prevention: See attached copy

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Everett Ouzts</i>		Approved by: <i>GRACE WINK</i>	
Printed Name: Everett Ouzts		Title: <i>FIELD REP</i>	
Title: Engineering Technician		Approval Date: <i>NOV 01 2000</i> Expiration Date:	
Date: 10/20/00	Phone: 915-831-3733	Conditions on Approval:	

Permit Expires 1 Year From Approval
Date Unless Drilling Underway



DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT III
P.O. Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35225	Pool Code 96601	Pool Name Hare; San Andres East
Property Code 23108	Property Name LIVINGSTON	Well Number 16
OGRID No. 00873	Operator Name APACHE CORPORATION	Elevation 3448

Surface Location

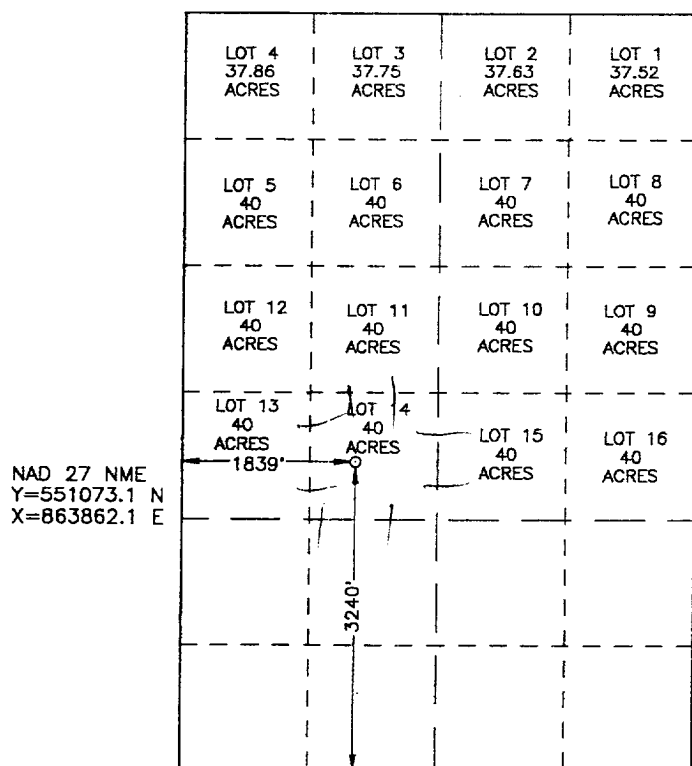
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 14	3	21 S	37 E		3240	SOUTH	1839	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



SCALE: 1"=2000'

OPERATOR CERTIFICATION

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

Everett Ouzts
Signature

Everett Ouzts
Printed Name

Eng. Tech.

Title

10/24/2000
Date

SURVEYOR CERTIFICATION

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 belief.

OCTOBER 11, 2000

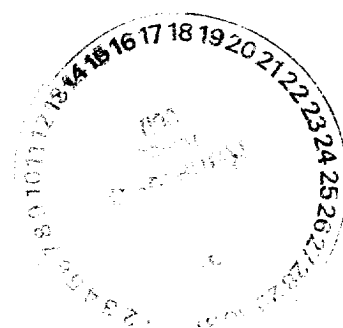
Date Surveyed

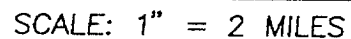
JLP

Signature & Seal of
Professional Surveyor

Ronald J. Eidson 10/16/00
W.O. Num. 00-11-1266

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239



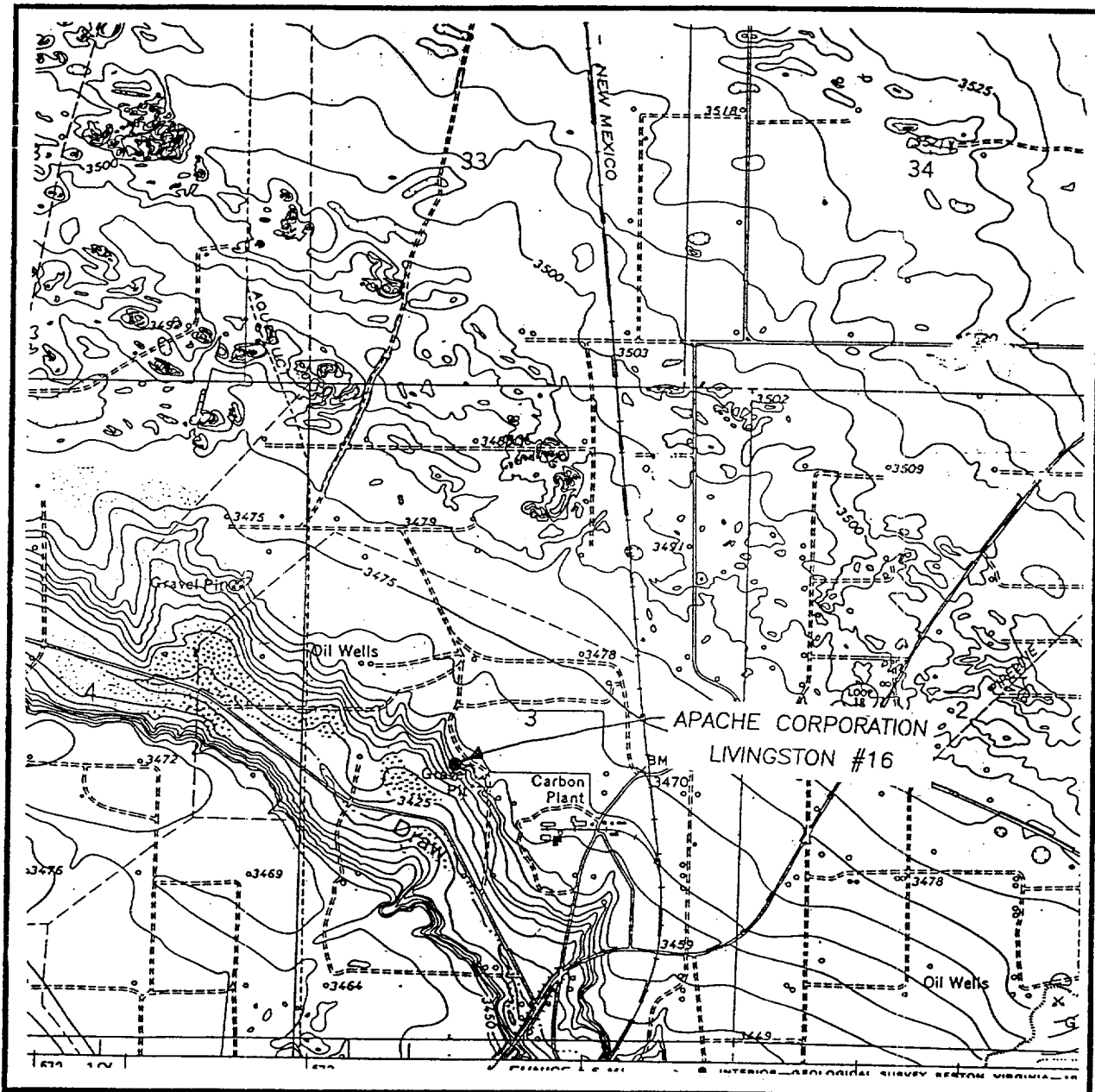


SEC. 3 TWP. 21-S RGE. 37-E
SURVEY _____ N.M.P.M. _____
COUNTY _____ LEA _____
DESCRIPTION 3240' FSL & 1839' FWL
ELEVATION _____ 3448' _____
OPERATOR APACHE CORPORATION
LEASE _____ LIVINGSTON _____

**JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117**



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL — 5'

SEC. 3 TWP. 21-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 3240' FSL & 1839' FWL

ELEVATION 3448'

OPERATOR APACHE CORPORATION

LEASE LIVINGSTON

U.S.G.S. TOPOGRAPHIC MAP

HOBBS SW, N.M.

**JOHN WEST SURVEYING
HOBBS, NEW MEXICO**

(505) 393-3117



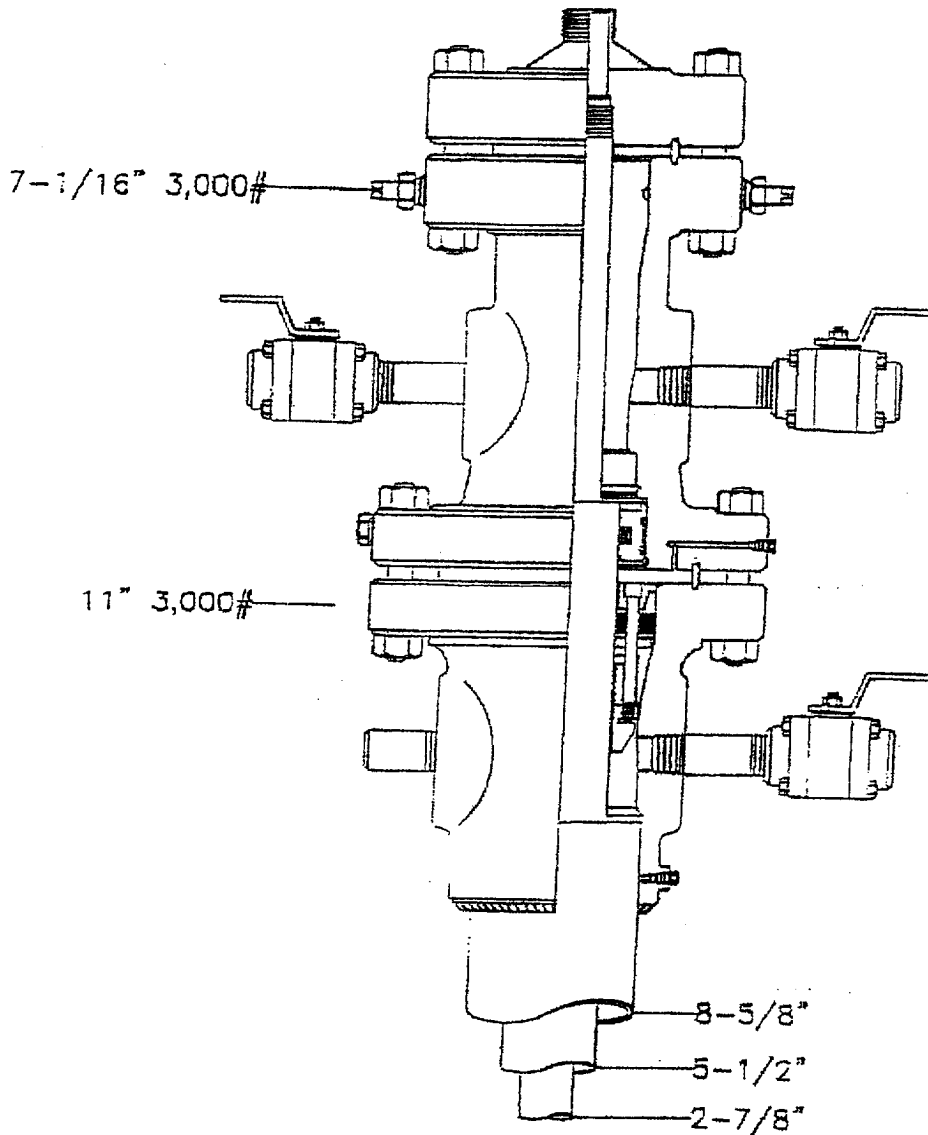
Alacne Corporation

WESTERN REGION

LIVINGSTON

LEA COUNTY, NEW MEXICO

DATE	APPROVED BY	CHIEF OF DISTRICT	DATE	4/22/98
REVISIONS	ISSUED ON	DATE	LAST REVISION	



ELF
2/14/81
ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

