

DISTRICT I

1625 N. FRANKLIN DR., ROSA, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised JUNE 10, 2003

DISTRICT II

1301 W. GRAND AVENUE, ARTECHA, NM 88210

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1600 Rio Brazos Rd., Aztec, NM 87410

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30.025-37365	Pool Code 50350	Pool Name Penrose Kelly; Grayburg
Property Code 34938	Property Name STATE LAND 15	Well Number 8
OGS# No. 873	Operator Name APACHE CORPORATION	Elevation 3452'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	21-S	37-E		330	SOUTH	1650	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	Joint or Infill	Consolidation Code	Order No.

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

	GEODETIC COORDINATES NAD 27 NME Y=537542.5 N X=858533.1 E LAT.=32°28'20.81" N LONG.=105°10'14.84" W	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Lana Williams</u> Signature <u>Lana Williams</u> Printed Name <u>Sr. Dept. Clerk</u> Title <u>7/14/05</u> 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. <u>JUNE 24, 2005</u> Date Surveyed <u>GARY G. EIDSON</u> Signature <u>Professional Surveyor</u> Title <u>NEW MEXICO</u> State <u>05.11.0977</u> Surveyor's License No. <u>12841</u> Certification No.
		DATE <u>JUNE 24, 2005</u>
		CERTIFICATION <u>GARY G. EIDSON</u> Professional Surveyor <u>12841</u> Certification No.

State of New Mexico

DISTRICT I

1825 N. FRENCH DR., HOBBE, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-37365	Pool Code 50350	Pool Name <i>Pennrose Shelly; Grayburg</i>
Property Code 34938	Property Name STATE LAND 15	Well Number 8
OGRIID No. 873	Operator Name APACHE CORPORATION	Elevation 3452'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	21-S	37-E		330	SOUTH	1650	WEST	LEA

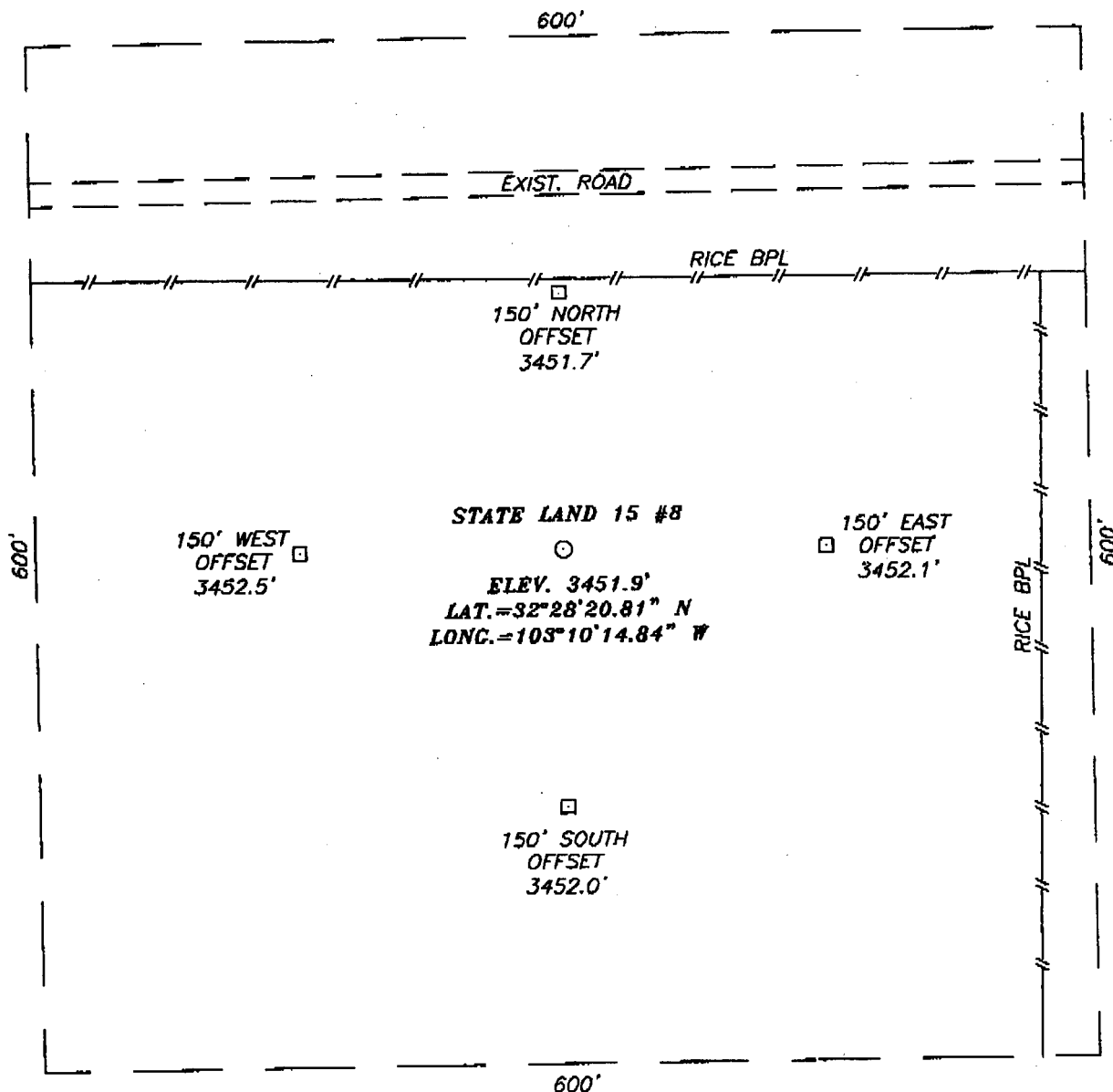
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

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

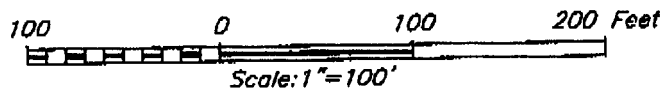
	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Lana Williams</i> Signature Lana Williams Printed Name Sr. Drilling Clerk Title 7/14/05 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown 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. JUNE 24, 2005 Date Surveyed LA Signature & Seal of Professional Surveyor 05.11.0977 Certificate No. GARY EIDSON 12841

SECTION 16, TOWNSHIP 21 SOUTH, RANGE 37 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

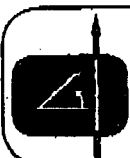
FROM THE INTERSECTION OF ST. HWY. #207 AND HILL ROAD GO SOUTH ON ST. HWY. #207 APPROX. 0.4 MILES. TURN RIGHT AT CATTLE GUARD AND GO WEST APPROX. 0.7 MILES. THIS LOCATION IS APPROX. 250' SOUTH OF ROAD.



APACHE CORPORATION

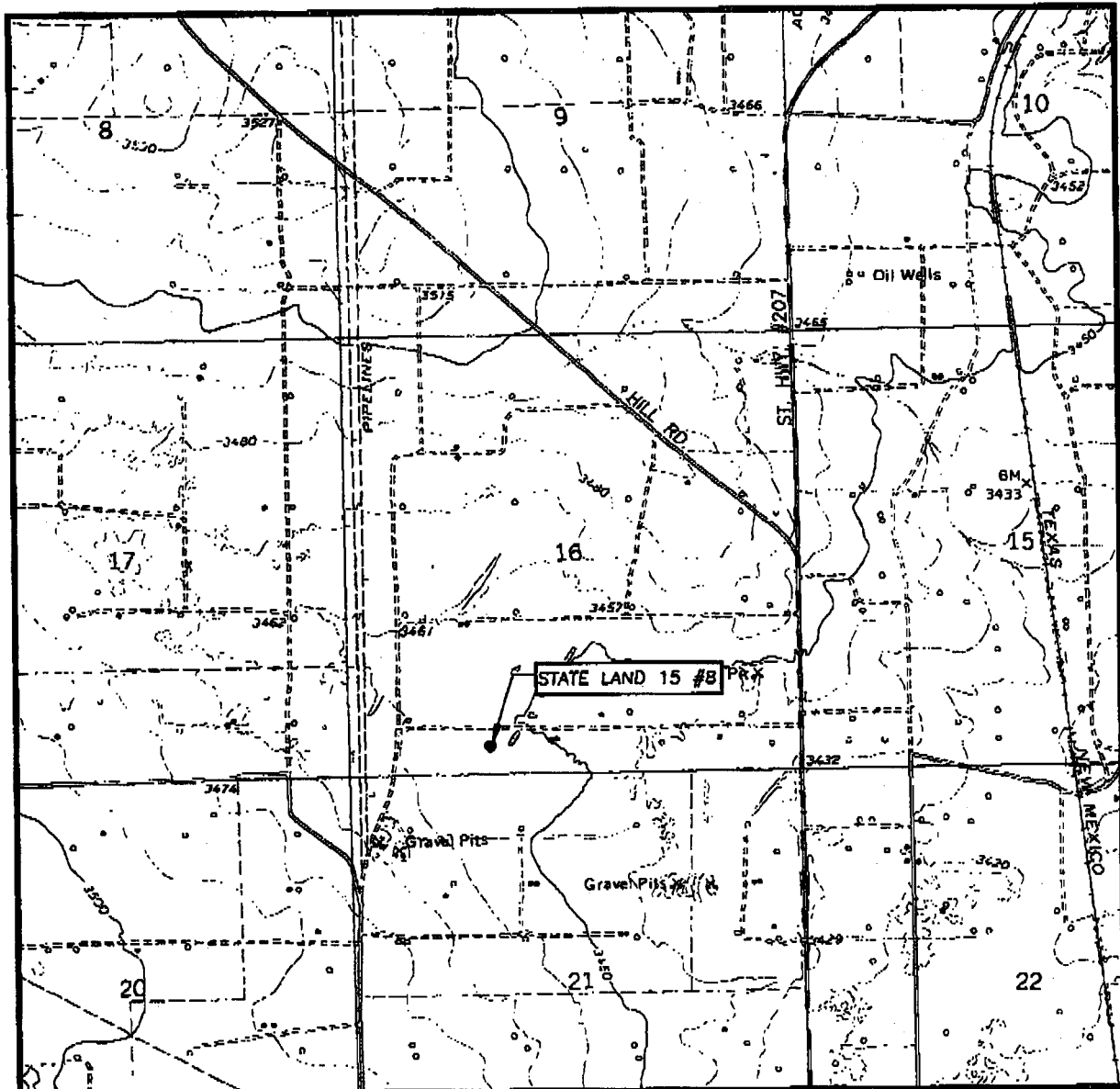
STATE LAND 15 #8 WELL
LOCATED 330 FEET FROM THE SOUTH LINE
AND 1650 FEET FROM THE WEST LINE OF SECTION 16,
TOWNSHIP 21 SOUTH, RANGE 37 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Survey Date: 6/24/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.0977	Dr By: LA
Date: 6/29/05	Disk: CD#4
05110977	Scale: 1"=100'

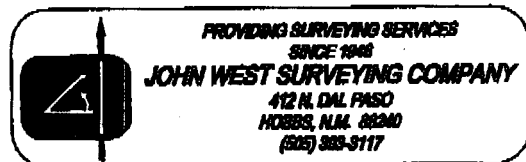


PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
EUNICE, N.M. - 10'SEC. 16 TWP. 21-S RGE. 37-ESURVEY N.M.P.M.COUNTY LEADESCRIPTION 330' FSL & 1650' FWLELEVATION 3452'OPERATOR APACHE CORPORATIONLEASE STATE LAND 15U.S.G.S. TOPOGRAPHIC MAP
EUNICE, N.M.



VERTICAL GEOLOGIC WELL PROGNOSIS

☒ NEW WELL FOR ECONOMICS☐ DEEPENING

STATE 15 #8		APACHE		EUNICE AREA (NM4017) JOHN H HENDRIX FARMOUT	
330 FSL & 1650 FWL Section 16, T21S-R37E		LEA		NM	
San Andres		200		Oil & Gas - Pumping	
40		TBD		TBD	
John H Hendrix		Weatherly 21		5 Lea NM	

• HARDY 5 • STATE 15 1 • STATE 15 2

• HARDY 1 • STATE 15 7 • STATE 15 16 • STATE 15 17

• YORK 25 • WEATHERLY 2 • WEATHERLY 3 • WEATHERLY 21 7

• WEATHERLY 1 • WEATHERLY 6 • WEATHERLY 21 6

• YORK • WEATHERLY 21 6 • WEATHERLY 21 7

• HARDY 1 • WANTZ 5-A

FORMATION	EST ELEV: 3458		REFERENCE: KB		OPERATOR		John H Hendrix	
	TOPS		SUBSEA ELEV		Well Name & No		State 15 #2	
	Estimated	Actual	Estimated	Actual	Estimated	Actual	LOCATION	STATE
Rusler	1235		2231		#VALUE!		660 FSL & 1980 FWL Section 16, T21S-R37E	NM
Yates	2638		828		#VALUE!		ELEV: 3458	KB
Seven Rivers	2861		605		#VALUE!		ELECTRIC LOG	SUBSEA
Queen	3416		50		-3		3405	53
Grayburg	3700		-234		-5		3687	-229
Grayburg B	3810		-344		-7		3795	-337
Grayburg C	3908		-442		-6		3894	-436
San Andres	3982		-516		0		3974	-516
Base San Andres Oil	4167		-701		-15		4144	-686

ZONE	TOPS		TYPE OBJECTIVE		DEPLETED	GRO PRESSURE	THICKNESS		CORE/DST
	Est	Actual	Primary	Secondary			Gross	Net	
Grayburg	3700		Acid & Fine		800		175	100	
San Andres	3982		Acid		1700		110	100	

Apache Hawk B-1 #40		UNIT ON BY:
		SAMPLES FROM:
		TO:
		SAMPLE INTERVAL (FT.):

GEOL	GEOPHY	LAND	ENGINEER	RES	DLG	PROD	APACHE CORPORATION 6120 S. Yale, Ste 1500 Tulsa, Oklahoma 74136	918	252-3911	906-5342	491-4924
								918	742-4334	812-3247	491-4815
								918	298-1577	645-4438	491-4972
								918	250-6392	633-1109	491-4907
								918	488-1937	809-7134	491-4800

E-Log Program:	Litho-Density, Dual Laterolog/MSPFL, Sonic	Cost:	\$9,000
Mud Log Program:		Cost:	

Location subject to change.		State	
Lease			
Grayburg: Penrose Skelly, Grayburg Pool			
San Andres: Hare, San Andres Gas Pool			
RECOMMENDED BY: (GEO) Robert E Curtis	DATE: 4/21/2005	AUTHORIZED BY: Thomas E. Voytovich	DATE: