

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD, MIDLAND, TEXAS 79705		² OGRID Number 4323
³ Property Code 2678	³ Property Name MARK	³ API Number 30 - 425-37385
⁹ Proposed Pool 1 PENROSE SKELLY GRAYBURG 50350		¹⁰ Proposed Pool 2

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
G	3	22-S	37-E		1678'	NORTH	1425'	EAST	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

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code P	Ground Level Elevation 3395'
¹⁶ Multiple N	¹⁷ Proposed Depth 4350'	¹⁸ Formation GRAYBURG	¹⁹ Contractor	²⁰ Spud Date 8-01-2005
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/> SEE C-144				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	24#	400'	250 SX	CIRCULATE
7 7/8"	5 1/2"	15.5#	4350'	1000 SX	CIRCULATE

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.

SURFACE CASING: 250 SX CL C CMT W/2% CACL + 0.25 PPS CELLOFLAKE (J-55 ST&C)

SLURRY PROPERTIES: 14.8 PPG, 1.34 FT3/SK, 6.29 GPS MIX WATER

PRODUCTION CASING: LEAD IN W/600 SX (35:65) POZ (FLY ASH) CLASS C CMT W/6% BENTONITE + 5% SODIUM CHLORIDE + 0.25 PPS

CELLOFLAKE + 0.4% FLUID LOSS ADDITIVE (J-55 LT&C)

TAIL IN W/400 SX (50:50) POZ (FLY ASH) CLASS C CMT W/5% SODIUM CHLORIDE + 2% BENTONITE + 0.25 PPS CELLOFLAKE

SLURRY PROPERTIES: 12.4 PPG, 2.15 FT3/SK, 11.97 GPS MIX WATER & 14.2 PPG, 1.35 FT3/SX, 6.33 GPS MIX WATER

BOP PROGRAM: SEE ATTACHED DIAGRAM

REFERENCE ORDER NUMBER: NSL-5227 (SD) (attached) ✓

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: LEAKEJD@CHEVRONTXACO.COM

Date: 7-19-2005

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: JUL 25 2005

Expiration Date: PETROLEUM ENGINEER

Conditions of Approval Attached ☐

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Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: CHEVRON U.S.A. INC. Telephone: 432-687-7375 e-mail address: LEAKEJD@CHEVRONTEXACO.COM
Address: 15 SMITH ROAD, MIDLAND, TEXAS 79705
Facility or well name: MARK #13 API #: 30-025-37385 U/L or Qtr/Qtr G Sec 3 T 22-S R 37-E
County: LEA Latitude 32 25' 24.16" N Longitude 103 08' 47.40" W NAD: 1927
Surface Owner: Private

Pit Type: Drilling Lined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness 20 mil Pit Volume 4106 bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	No	(0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	(0 points)
Ranking Score (Total Points)		10

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 7-19-2005

Printed Name/Title MARK GARZA DRILLING ENGINEER

Signature



Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

Signature

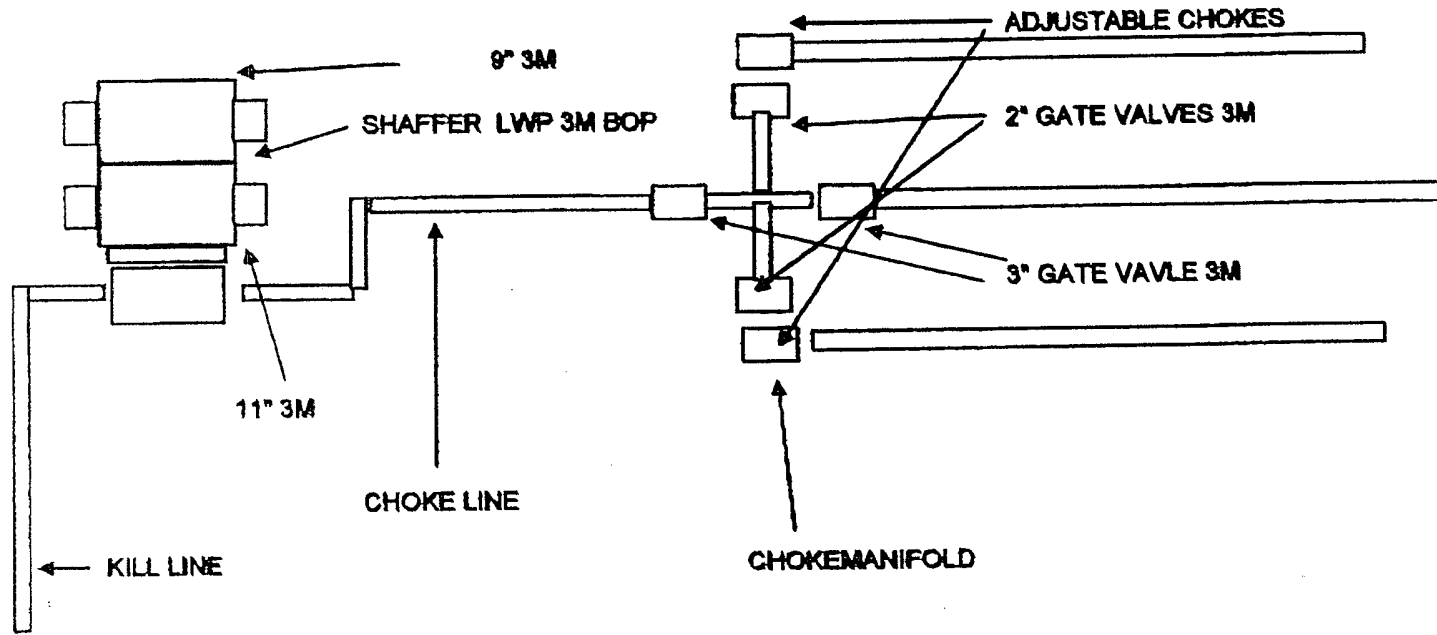


Date:

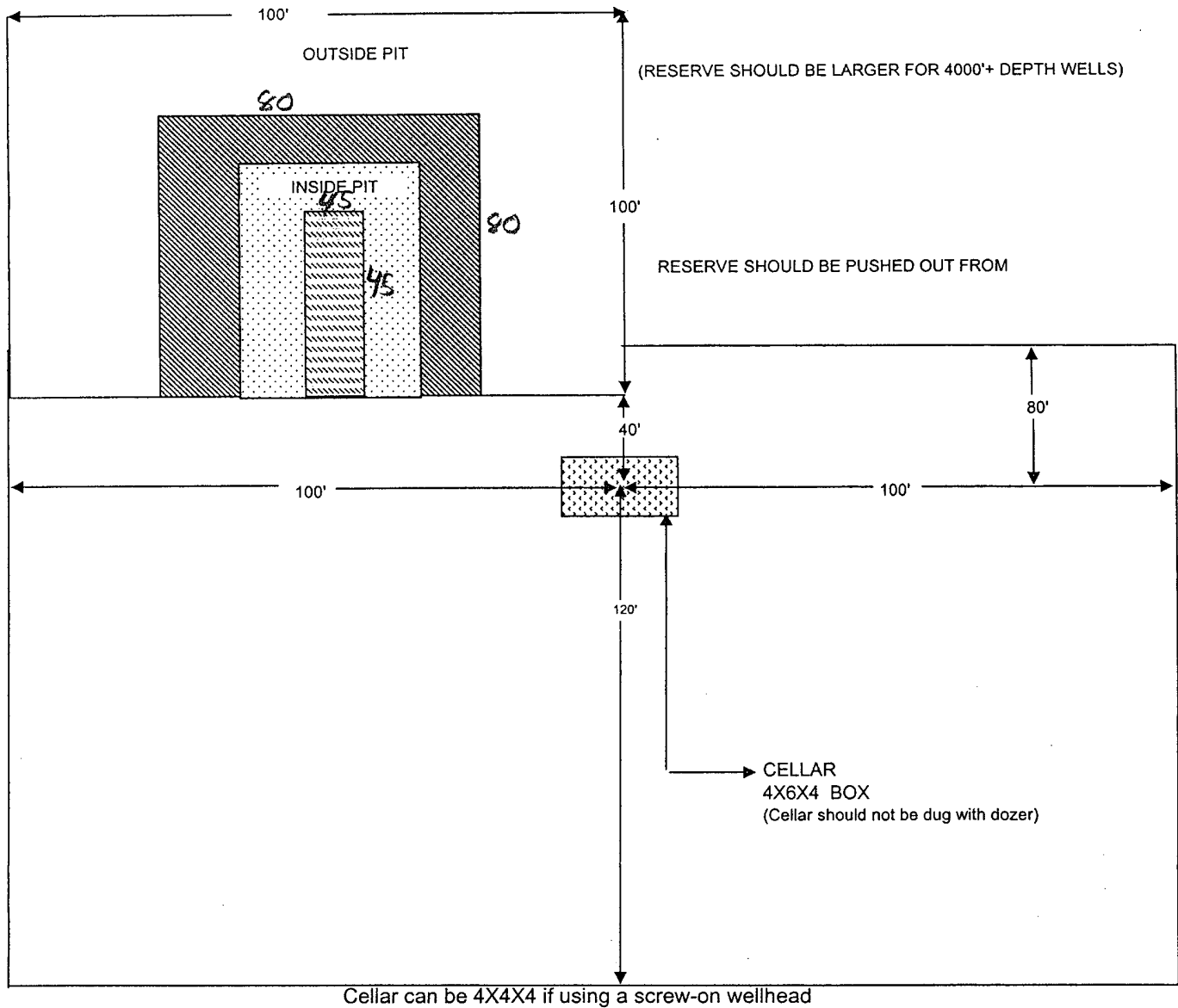
JUL 25 2005

BOP

CRPSTAR # 22



Rig 22 4/5/05
CapStar Drilling, Inc.
LOCATION SPECIFICATIONS
FOR STEEL PITS



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State of New Mexico
Energy, Minerals and Natural Resources Department

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 30-025-37385	Pool Code 50350	Pool Name PENROSE SKelly GRAYBURG
Property Code 2678	Property Name MARK	Well Number 13
OGRID No. 4323	Operator Name CHEVRON U.S.A. INC.	Elevation 3395'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	3	22-S	37-E		1678	NORTH	1425	EAST	LEA

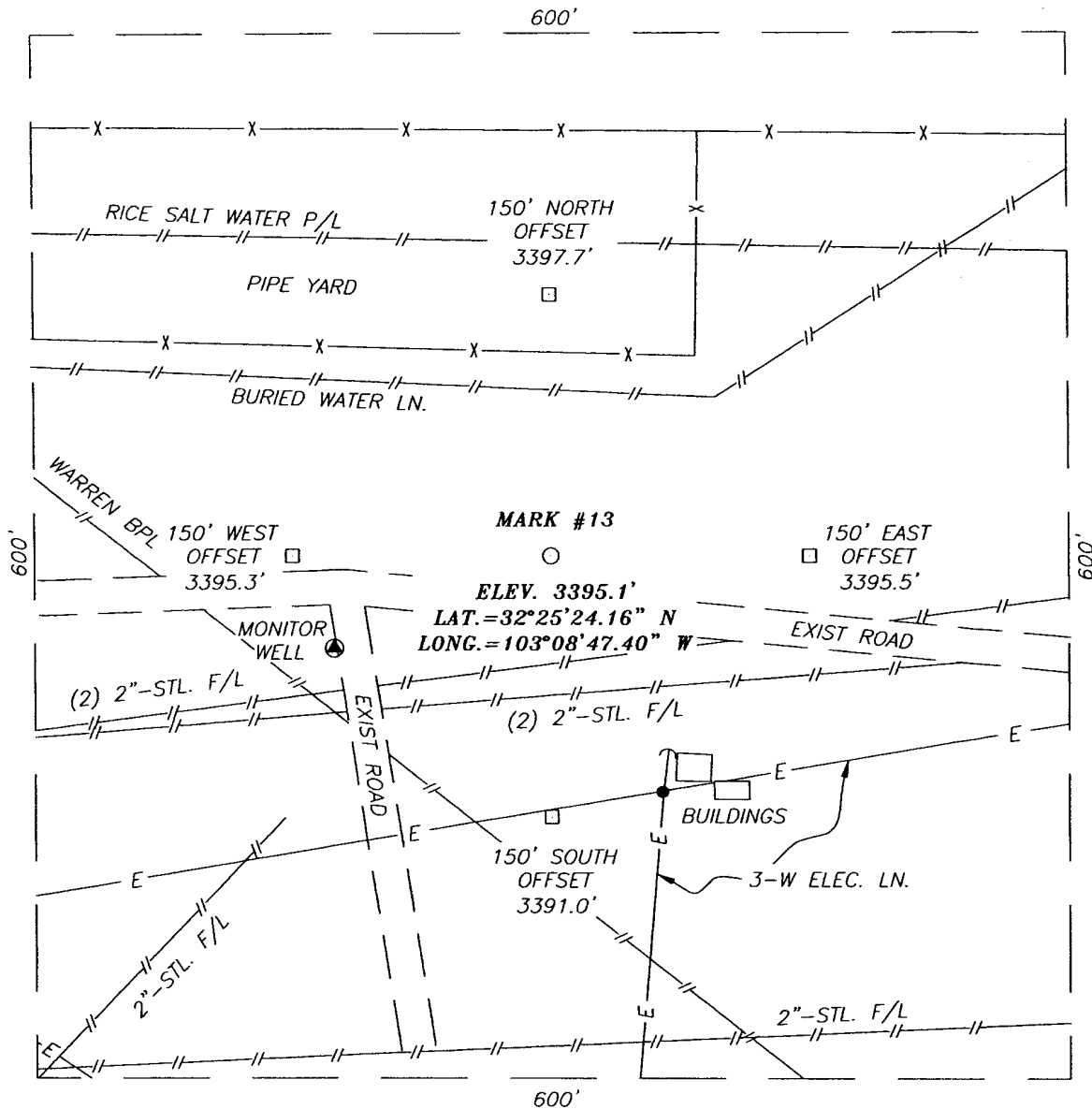
Bottom Hole Location If Different From Surface

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. NSL 5227						

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

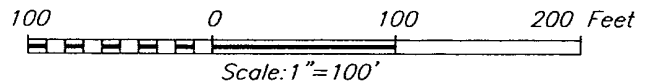
<div>LOT 4</div> <div>LOT 3</div> <div>LOT 2</div> <div>LOT 1</div> <div>1678'</div> <div>1425'</div> <div>GEODETIC COORDINATES NAD 27 NME Y=519773.0 N X=866222.9 E LAT.=32°25'24.16" N LONG.=103°08'47.40" W</div>	<div>OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Denise Pinkerton Signature Denise Pinkerton Printed Name Regulatory Specialist Title 7-19-2005 Date</div> <div>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 2, 2005 Date Surveyed Signature & Seal of Professional Surveyor GARY EDMON 05.11.0847 Certificate No. GARY EDMON 12641</div>
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SECTION 3, TOWNSHIP 22 SOUTH, RANGE 37 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

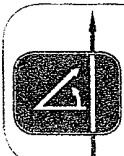
FROM THE INTERSECTION OF ST. HWY. #207 (MAIN ST.) AND ST. HWY. #234 (TEXAS ST. IN EUNICE) GO EAST ON ST. HWY. #234 FOR APPROX. 0.6 MILES. TURN RIGHT ONTO 4th ST. AND GO SOUTH/SE FOR APPROX. 0.6 MILES. TURN RIGHT ONTO MIDDLE PLANT RD. AND GO WEST FOR APPROX. 0.1 MILES. TURN LEFT (SOUTH) AND GO APPROX. 0.2 MILES. TURN LEFT (EAST) AND GO APPROX. 0.1 MILES. THIS LOCATION IS APPROX. 100' EAST.



CHEVRONTEXACO CORPORATION

MARK #13 WELL
 LOCATED 1678 FEET FROM THE NORTH LINE
 AND 1425 FEET FROM THE EAST LINE OF SECTION 3,
 TOWNSHIP 22 SOUTH, RANGE 37 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO.

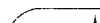
Survey Date: 06/02/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.0847	Dr By: J.R.
Date: 06/08/05	Disk: CD#5
05110847	Scale: 1"=100'



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

The map displays a grid of sections numbered 1 through 36. Key features include:

- Township and Range Labels:** T. 38 N., R. 37 E., T. 39 N., R. 37 E.
- Roads:** ST. 176, ST. 18, ST. 207, ST. 234, PRIVATE RD., COYOTE HILL, KING, DRINKARD.
- Landmarks:** COYOTE HILL, DELAWARE BASIN, KING, DRINKARD.
- Marked Location:** MARK #13 is located near the intersection of ST. 18 and ST. 207.

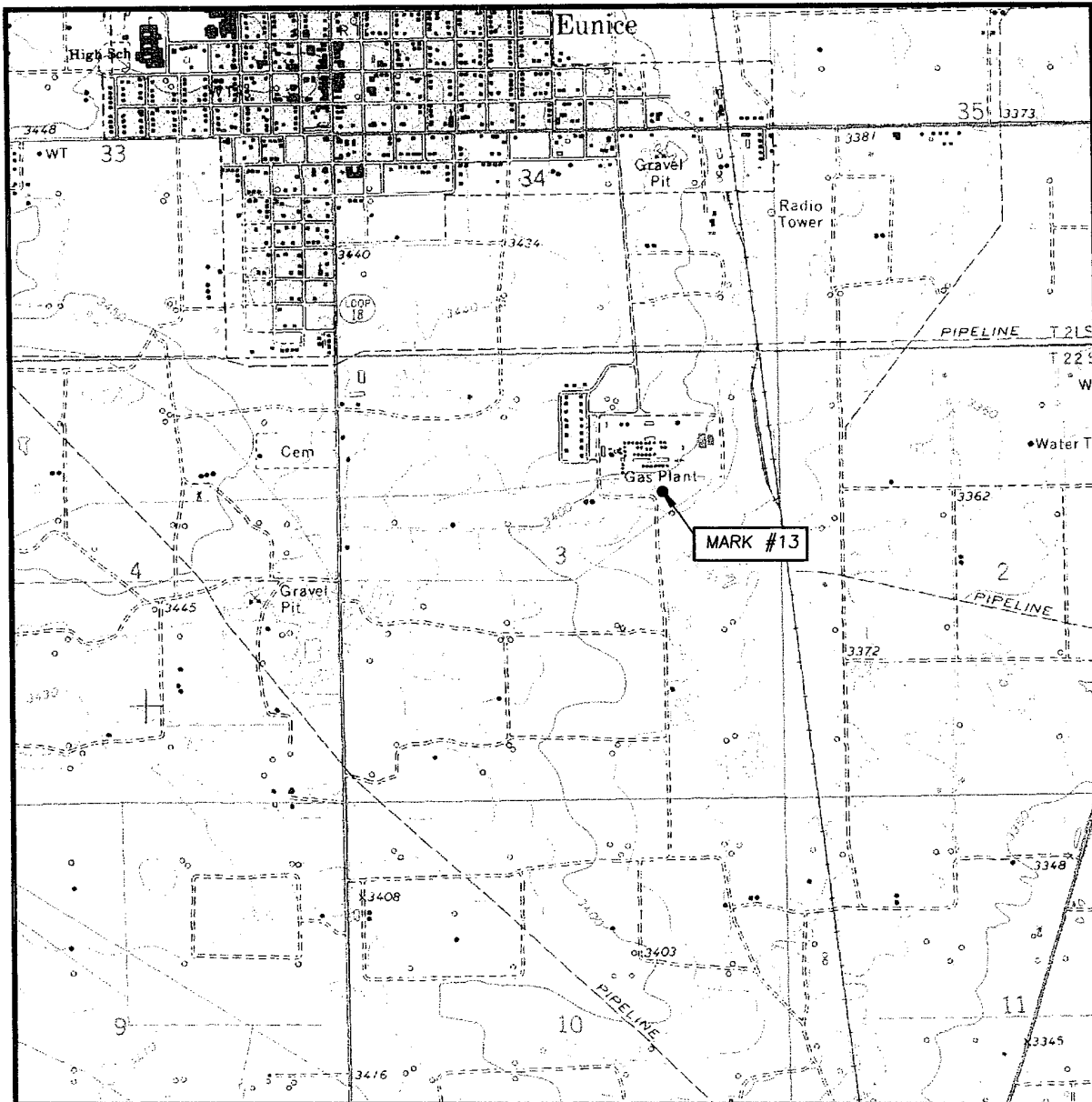


**PROVIDING SURVEYING SERVICES
SINCE 1946**

JOHN WEST SURVEYING COMPANY

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LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
EUNICE, N.M. - 10'

SEC. 3 TWP. 22-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

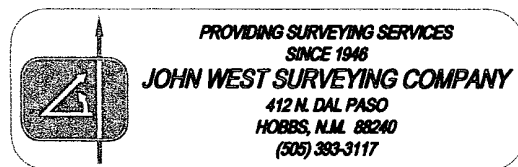
DESCRIPTION 1678' FNL & 1425' FEL

ELEVATION 3395'

OPERATOR CHEVRONTEXACO CORPORATION

LEASE MARK

U.S.G.S. TOPOGRAPHIC MAP
EUNICE, N.M.



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