

District I
PO 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 SAGA PETROLEUM LLC 415 W WALL, SUITE 1900 MIDLAND TX 79701		² OGRID Number 148967 ³ API Number 30-025-35114
⁴ Property Code 023674	⁵ Property Name WEST DOLLARHIDE QUEEN UNIT	⁶ Well No. 157

⁷ Surface Location							Approval Date:		
UL or lot no. H	Section 31	Township 24S	Range 38E	Lot Idn	Feet from the 2571	North/South line NORTH	Feet from the 115	East/West line EAST	County 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 DOLLARHIDE QUEEN					¹⁰ Proposed Pool 2				

¹¹ Work Type Code DRILL <i>N</i>	¹² Well Type Code OIL	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code STATE	¹⁵ Ground Level Elevation 3139'
¹⁶ Multiple	¹⁷ Proposed Depth 3950'	¹⁸ Formation Grayburg Queen	¹⁹ Contractor	²⁰ Spud Date

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#	415'	250 sx Prem+	circ-surf
7-7/8"	5-1/2"	14#	3950'	600 Prem+	circ-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.

Drill surface hole w/FW mud 8.4-8.8 ppg & 34-36 vis to 415'. Run 8-5/8" csg. WOC 8 hrs. Cut off 8-5/8", install 2000 psi SOW WH & NU 3000 psi double Ram BOP & rotating head prior to drl out surf csg shoe, press test csg to 1000 psi for 15 mins. Drl 7-7/8" hole w/native brine wtr to 3500', mud up w/SW gel to vis 35-40, MW 9.5-10 ppg & WL 10-15ccs. Log & run 5-1/2" csg, Cmt 1 stage w/600 sx Prem Plus w/gel & FLA.Circ cmt to surface, displace plug w/2% KCL FW.
Location is non standard due to pipeline & power lines. Saga is their own offset operator.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Bonnie Husband

Printed name: Bonnie Husband

Title: Production Analyst

Date: 08/03/2000

Phone: (915)684-4293

OIL CONSERVATION DIVISION

Approved by:

Title:

Expiration Date:

Conditions of Approval :
Attached ☐

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

copy

Handwritten initials

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35114	Pool Code 18810	Pool Name Dollarhide Queen
Property Code 023674	Property Name WEST DOLLARHIDE QUEEN UNIT	Well Number 157
OGRID No. 148967	Operator Name SAGA PETROLEUM LLC	Elevation 3139

Surface Location

UL or lot No. H	Section 31	Township 24 S	Range 38 E	Lot Idn	Feet from the 2571	North/South line NORTH	Feet from the 115	East/West line EAST	County 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.
-----------------------	-----------------	--------------------	-----------

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. <u>Bonnie Husband</u> Signature Bonnie Husband Printed Name Production Analyst Title Aug 3, 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. JULY 19, 2000 Date Surveyed DC Signature & Seal of Professional Surveyor <u>Ronald J. Eidson</u> 7/20/00 60-11-0848
	Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641 MACON McDONALD 12185

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

This is a topographic map of the West Dollarhide Queen Unit #157. The map features contour lines indicating elevation, with labels such as 3100, 3125, 3150, 3175, 3200, 3225, 3250, 3275, 3300, 3325, 3350, 3375, 3400, 3425, 3450, 3475, 3500, 3525, 3550, 3575, 3600, 3625, 3650, 3675, 3700, 3725, 3750, 3775, 3800, 3825, 3850, 3875, 3900, 3925, 3950, 3975, 4000, 4025, 4050, 4075, 4100, 4125, 4150, 4175, 4200, 4225, 4250, 4275, 4300, 4325, 4350, 4375, 4400, 4425, 4450, 4475, 4500, 4525, 4550, 4575, 4600, 4625, 4650, 4675, 4700, 4725, 4750, 4775, 4800, 4825, 4850, 4875, 4900, 4925, 4950, 4975, 5000, 5025, 5050, 5075, 5100, 5125, 5150, 5175, 5200, 5225, 5250, 5275, 5300, 5325, 5350, 5375, 5400, 5425, 5450, 5475, 5500, 5525, 5550, 5575, 5600, 5625, 5650, 5675, 5700, 5725, 5750, 5775, 5800, 5825, 5850, 5875, 5900, 5925, 5950, 5975, 6000, 6025, 6050, 6075, 6100, 6125, 6150, 6175, 6200, 6225, 6250, 6275, 6300, 6325, 6350, 6375, 6400, 6425, 6450, 6475, 6500, 6525, 6550, 6575, 6600, 6625, 6650, 6675, 6700, 6725, 6750, 6775, 6800, 6825, 6850, 6875, 6900, 6925, 6950, 6975, 7000, 7025, 7050, 7075, 7100, 7125, 7150, 7175, 7200, 7225, 7250, 7275, 7300, 7325, 7350, 7375, 7400, 7425, 7450, 7475, 7500, 7525, 7550, 7575, 7600, 7625, 7650, 7675, 7700, 7725, 7750, 7775, 7800, 7825, 7850, 7875, 7900, 7925, 7950, 7975, 8000, 8025, 8050, 8075, 8100, 8125, 8150, 8175, 8200, 8225, 8250, 8275, 8300, 8325, 8350, 8375, 8400, 8425, 8450, 8475, 8500, 8525, 8550, 8575, 8600, 8625, 8650, 8675, 8700, 8725, 8750, 8775, 8800, 8825, 8850, 8875, 8900, 8925, 8950, 8975, 9000, 9025, 9050, 9075, 9100, 9125, 9150, 9175, 9200, 9225, 9250, 9275, 9300, 9325, 9350, 9375, 9400, 9425, 9450, 9475, 9500, 9525, 9550, 9575, 9600, 9625, 9650, 9675, 9700, 9725, 9750, 9775, 9800, 9825, 9850, 9875, 9900, 9925, 9950, 9975, 10000. A dashed line labeled 'PIPELINE' runs diagonally across the map. A solid line labeled 'MONUMENT' runs vertically. A dashed line labeled 'WEST DOLLARHIDE QUEEN UNIT #157' is also present. The map includes various elevation points marked with dots and numbers, and a grid system with letters A through Z and numbers 1 through 30.

CONTOUR INTERVAL:
JAL NE - 5'

JAL NE, N.M.

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