

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

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-101
Revised February 10, 1999
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copy
Fee Lease - 5 Copy

☐ AMENDED REPORT

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

¹ Operator Name and Address CHEVRON USA INC 15 SMITH ROAD, MIDLAND, TX 79705		² OGRID Number 4323
		³ API Number 30-025-06658
⁴ Property Code 2683	⁵ Property Name H. T. MATTERN NCT-C	⁶ Well No. 2

⁷ Surface Location									
UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
K	18	21-S	37-E		1980'	SOUTH	1980'	WEST	LEA

⁸ Proposed Bottom Hole Location If Different From Surface									
UI 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 PENROSE SKELLY GRAYBURG					¹⁰ Proposed Pool 2				

¹¹ Work Type Code D (Deepen)	¹² WellType Code O	¹³ Rotary or C.T.	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3519' DF
¹⁶ Multiple No	¹⁷ Proposed Depth 3950'	¹⁸ Formation GRAYBURG	¹⁹ Contractor	²⁰ Spud Date 3/15/2004

²¹ Proposed Casing and Cement Program					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO CHANGE					

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.

CHEVRON U.S.A. INC. INTENDS TO REENTER THE SUBJECT WELL & DRILL DEEPER IN THE GRAYBURG FORMATION. THE INTENDED PROCEDURE IS AS FOLLOWS:

1) MIRU. DRILL OUT CMT & OPEN HOLE TO ORIGINAL TD @ 3836. DRILL DEEPER TO TD @ 3950. 2) TIH W/PKR & SET @ 3600. 3) ACIDIZE GRAYBURG INTERVAL FR 3674-3950 W/4500 GALS ANTISLUDGE 15% HCL ACID. 4) FLOW/SWAB BACK. 5) REL PKR & LD. 6) TIH TO 3950. TIH W/PKR & SET @ 3550. 7) FRAC W/66,000 GALS YF135, & SAND. 8) SWAB WELL UNTIL THERE IS NO SAND INFLOW. REL PKR. 9) TIH TO 3950. TIH W/MA, TBG, PERF SUB, SN, & TAC. TAC @ 3550. EOT @ 3900. SN @ 3865. 10) REM BOP & INSTL WH. TIH W/PMP & RDS. 11) TURN WELL OVER TO PRODUCTION.

CURRENT & PROPOSED WELLBORE DIAGRAMS IS ATTACHED FOR YOUR APPROVAL.

²³ I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION	
Signature <i>Denise Leake</i>	Approved By: <i>[Signature]</i>	
Printed Name Denise Leake	Title: PETROLEUM ENGINEER	
Title Regulatory Specialist	Approval Date: MAR 30 2004	Expiration Date:
Date 3/10/2004	Telephone 915-687-7375	Conditions of Approval: Attached <input type="checkbox"/>

WELL DATA SHEET

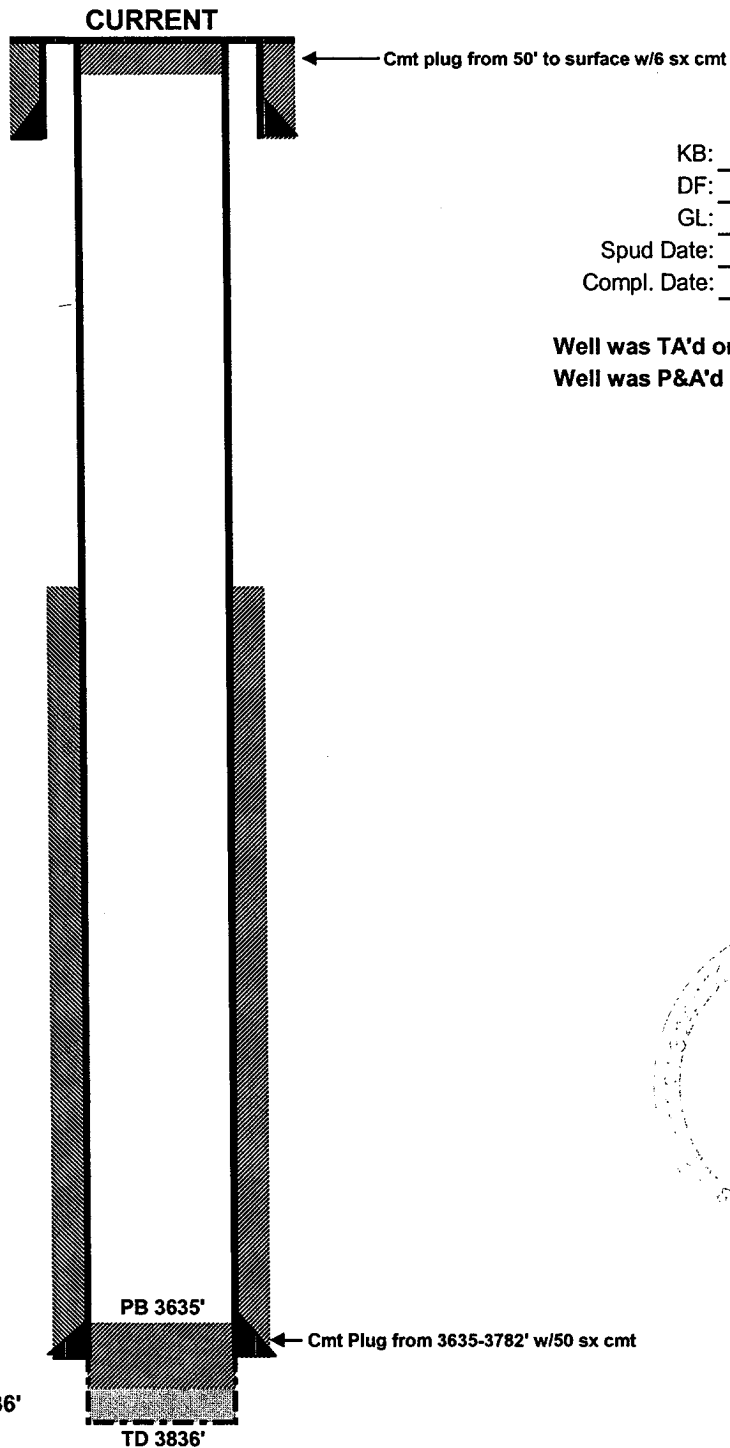
Field: Penrose Skelly Well Name: H. T. Mattern (NCT-C) #2 Lease Type: Fee
Location: 1980' FSL & 1980' FWL Sec: 18-K Township: 21S Range: 37E
County: Lea State: New Mexico Refno: FA7762 API: 30-025-06658 Cost Center: UCU491800
Current Status: P&A'd
Current Producing Formation(s): Grayburg

Surface Csg.

Size: 9 5/8"
Wt.: 24#
Set @: 293'
Sxs cmt: 200
Circ: unknown
TOC: surf by calc

Production Csg.

Size: 5 1/2"
Wt.: 14#
Set @: 3674'
Sxs Cmt: 200
Circ: No
TOC: 1575' by calc



KB: _____
DF: 3519'
GL: _____
Spud Date: 6/21/1944
Compl. Date: 7/16/1944

Well was TA'd on 12/30/59
Well was P&A'd on 9/22/61



repared by: K M Jackson
Date: 3/1/2004

WELL DATA SHEET

Field: Penrose Skelly Well Name: H. T. Mattern (NCT-C) #2 Lease Type: Fee
Location: 1980' FSL & 1980' FWL Sec: 18-K Township: 21S Range: 37E
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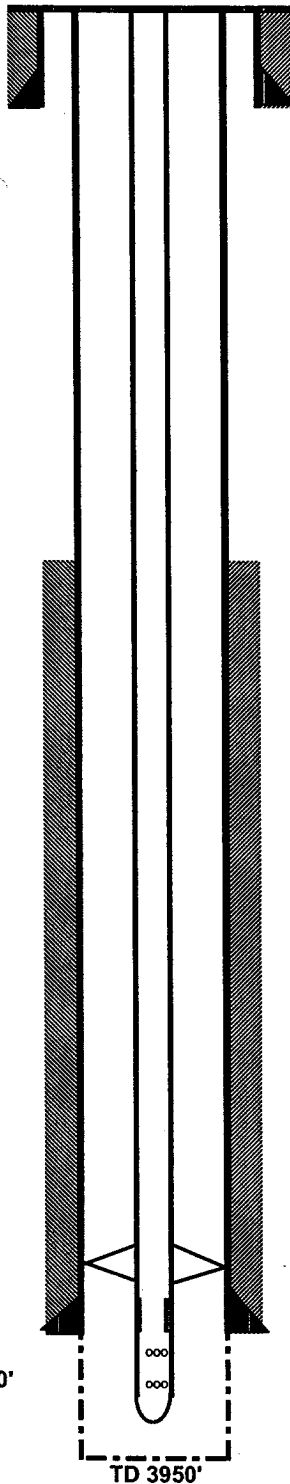
Surface Csg.

Size: 9 5/8"
Wt.: 24#
Set @: 293'
Sxs cmt: 200
Circ: unknown
TOC: surface by calc

Production Csg.

Size: 5 1/2"
Wt.: 14#
Set @: 3674'
Sxs Cmt: 200
Circ: No
TOC: 1575' by calc

PROPOSED



KB: _____
DF: 3519'
GL: _____
Spud Date: 6/21/1944
Compl. Date: 7/16/1944

Well was TA'd on 12/30/59

Well was P&A'd on 9/22/61

Tubing Detail:

1 - BPMA jt w/EOT @ 3900'
1 - 2-7/8" x 4' perf tbg sub
SN @ 3865'
9 jts - 2-7/8" EUE 8rd J-55 tbg
TAC @ 3600'
116 jts - 2-7/8" EUE 8rd J-55 tbg

repared by: K M Jackson
Date: 3/1/2004