

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO.	30-025-37108
5. Indicate Type of Lease	STATE ☐ FEE ☒
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	H.T. MATTERN 'C'
8. Well No.	17
9. Pool Name or Wildcat	PENROSE SKELLY GRAYBURG
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3498' GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI (FORM C-101) FOR SUCH PROPOSALS.

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
CHEVRON USA INC

3. Address of Operator
15 SMITH RD, MIDLAND, TX 79705

4. Well Location
Unit Letter F : 1980' Feet From The NORTH Line and 1980' Feet From The WEST Line
Section 18 Township 21-S Range 37-E NMPM LEA COUNTY

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ACIDIZE & SCALE SQZ GRAYBURG ☒

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

CHEVRON U.S.A. INC. INTENDS TO ACIDIZE THE GRAYBURG PERFS & SCALE SQUEEZE.

THE INTENDED PROCEDURE AND WELLBORE DIAGRAM ARE ATTACHED FOR YOUR APPROVAL.



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

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist

DATE 6/20/2006

TYPE OR PRINT NAME Denise Pinkerton

Telephone No. 432-687-7375

(This space for State Use)

APPROVED Ray W. Wink TITLE

DATE

JUN 22 2006

DeSoto/Nichols 12-93 ver 1.0

FIELD REPRESENTATIVE II/STAFF MANAGER

WELL DATA SHEET

FIELD: Penrose Skelly

WELL NAME: HT Mattern C #17

FORMATION: Graybur

LOC: 1980' FNL & 1980' FWL
TOWNSHIP: 21S
RANGE: 37E
LOT:

SEC: 18
COUNTY: Lea
STATE: NM

GL: 3498'

DF:

CURRENT STATUS:
API NO: 30-025-37108
REFNO: HS4829
CC#: UCU491800
WB#

Surface Casing

8-5/8" 24# J-55

12-1/4" hole

Set @ 405' w/ 325 sx cmt

Circ cmt to surface

CURRENT

Spud Date: 9/3/2005

Date of Completion:

Initial Completion: Grayburg

Tbg Detail:

See tbg detail for information.

KB

6.00

Perfs

3697-3700
3716-3718
3730-3732
3744-3751
3757-3760
3766-3772
3774-3779
3785-3789
3798-3801
3804-3812
3815-3825
3852-3862
3866-3875
3882-3885
3889-3895
3899-3906
3910-3920
3928-3938
3941-3944

Status

Grayburg - Open
Grayburg - Open
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Production Casing

5-1/2", 15.5# J-55

7-7/8" hole to 4348'

Set @ 4348' w/ 1100 sx cmt

Circ cmt to surface

FC @ 4303'

TD 4348'
PBD 4303'

HT Mattern C # 17
Penrose Skelly Field
T21S, R37E, Section 18
Job: Acidize & Scale Squeeze Grayburg

6/15/06

Completion Procedure:

1. Displace flowline w/ fresh water. Have Field Specialist close valve at header. Pressure test line according to type. All poly pipe (SDR7 and SDR11) will be tested to 100 psi. All steel lines will be tested to 500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If tests good, bleed off pressure and open valve at header. Document this process in the morning report.
1. MIRU Key PU & RU. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. NDWH. POOH w/ rods and pump. NUBOP and test when possible. Release TAC and POOH w/ 2-7/8" tbg. Stand back.
2. PU and RIH with 4 3/4" MT bit on 2 7/8" WS to 4303'. C/O fill if necessary using air unit. POH with bit. LD bit.
3. PU and RIH w/ 5 1/2" PPI pkr (with 12' element spacing) and SCV on 2 7/8" WS. Test tbg to 4000 psi while RIH. Set PPI pkr in blank pipe and test tools. Mark settings.
6. MI & RU DS Services. Acidize perf intervals with 5,700 gals anti-sludge 15% HCl acid at a max rate of 2 BPM and a max surface pressure of 4000 psi. Spot acid to bottom of tbg at beginning of first stage. Pump job as follows:

Perfs	Acid Volume	Max Rate	PPI Setting
3941-3944	300 gals	3 bpm	3940-3952
3928-3938	300 gals	3 bpm	3927-3939
3910-3920	300 gals	3 bpm	3909-3921
3899-3906	300 gals	3 bpm	3897-3909
3889-3895	300 gals	3 bpm	3886-3898
3882-3885	300 gals	3 bpm	3876-3888
3866-3875	300 gals	3 bpm	3865-3877
3852-3862	300 gals	3 bpm	3851-3863
3815-3825	300 gals	3 bpm	3814-3826
3804-3812	300 gals	3 bpm	3802-3814
3798-3801	300 gals	3 bpm	3790-3802
3785-3789	300 gals	3 bpm	3782-3794
3774-3779	300 gals	3 bpm	3772.5-3784.5
3766-3772	300 gals	3 bpm	3761-3773
3757-3760	300 gals	3 bpm	3752-3764
3744-3751	300 gals	3 bpm	3741-3753
3730-3732	300 gals	3 bpm	3725-3737

3716-3718	300 gals	3 bpm	3711-3723
3697-3700	300 gals	3 bpm	3692-3704

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note:** If communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 1000 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes of the intervals.

7. Release PPI pkr and PU to approximately 3660'. Swab back all intervals together. Recover 100% of treatment and load volumes before SION, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels.
8. MIRU pump truck. Pump down tbg w/ 50 bbls 8.6 PPG cut brine water containing 110 gals Baker RE-4777 Scale Inhibitor followed by 200 bbls 8.6 PPG cut brine water @ 5 BPM & 2500 psi max pressure. RD pump truck. POOH & LD PPI pkr.
9. PU and RIH w/ production assembly as per ALS recommendation. Remove BOP and install WH. RIH w/ rods and pump as per ALS recommendation. RD PU & RU.
10. Inform Lease Operator and ALS that the well is ready for operation.

Engineer - Keith Lopez
432-687-7120 Office
432-687-3281 Cell
432-661-6156 Home