

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-021-20120
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name 37587 State
8. Well Number 161K
9. OGRID Number 495
10. Pool name or Wildcat West Bravo Dome CO2 Gas

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

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐ CO2 Gas Well

2. Name of Operator

Hess Corporation

3. Address of Operator

P.O. Box 840, Seminole, Texas 79360

4. Well Location

Unit Letter K : 1980 feet from the South line and 1980 feet from the West lineSection 16 Township 18N Range 30E NMPM County Harding

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

4378'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐

OTHER: Name Change

☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: Workover (Perf & Frac)

☒

13. 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Name change to State 161K

See attached workover summary with details.

Spud Date:

Rig Release Date:

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

SIGNATURE



TITLE Engineering Technician

DATE 2-4-09

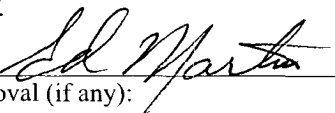
Type or print name Rita C. Smith

E-mail address: rsmith@hess.com

PHONE: (432) 758-6726

For State Use Only

APPROVED BY:



TITLE

DISTRICT SUPERVISOR

DATE 2/11/09

Conditions of Approval (if any):

8/25

Move In Rig Up Pulling Unit, Test Casing with Pump Truck Casing Failed, Kill Well, Nipple Down Wellhead, Nipple Up Blow Out Preventers, Unseat Packer Laydown Production String & Packer, Pick Up Work String Ttip in Hole With Bridge Plug, Check Casing For Hole, Incomplete, Shut Well In

8/26

Finish Locating Top Of Bad Casing at 702', Trip Out of Hole with Test Packer & Bridge Plug Rig Down Pulling Unit, RU Schlumberger Loggers, Correlate Logs to Gamma. Perf 1970-2050' KB ft w/ HSD 3.375" HyperJet 3406, 4spf, 120 phasing, 0.50 EHD 15" TTP & Composite Bridge plug @ 2010 (2.7ft in Lenght) RD Schlumberger, Rig Down Blow Out Preventers, Nipple Up Wellhead, SWI

8/28

Move In Rig Up Pulling Unit, Nipple Down Tubing Hanger & B-Swction, Nipple Up New B-Section, Tubing Hanger, Nipple Up Blow Out Preventers, Rig Up & Run 4.5" Liner, Shut Well in Wait on Cementers

9/2

Rig Up Haliburton Cementers & Cement 4 1/2" Production Liner, Rig Down Cementers, Nipple Down Blow Out Preventers' Set Slips, Cut-Off Casing, Rig Down Pulling Unit

9/7

Rig Up Pulling Unit, Nipple Up Wellhead & Blow Out Preventer, Pick Up & Trip In Hole with Bit Collars & Work Srting, Drill Out cement, Float Collar & Float Shoe, Test Casing to 2500 psi Good, Drill Composite Plug & Push to Bottom, Trip Out of Hole Laydown work String & Collars, Niipple Down Blow out Preventers, Nipple Up Frac Valve, Rig Down Pulling Unit

9/17

MI RU. Job Start 11:06:36, Pumping Time 32.96 mins, Total Time 57.71. Base Fluid 7% KCl Frac Water Guar (45cp). Stages 1. 10% HCl 2. Breakdown 0.0% CO2 3. Pad Stage open Fracture w/ 59.6% CO2 w/ 59.6% CO2 4. 2ppg Premium Brown 12/20 w/ 62.1% CO2 5. 4ppg Premium Brown 12/20 w/ 51.6% CO2 6. 6ppg Premium Brown 12/20 w/ 41.4% CO2 7. 8ppg Premium Brown 12/20 w/ 34.0% CO2 8. Flush 1.5-2 bbl above top perf, w/ 35.7% CO2. ISIP 1768 psi. 5min 660 psi. 10min 649 psi. 15min 641 psi. Max Treating Pressure 3059 psi, Average Treating Pressure 1558 psi, Max Well Head Rate 46.7 bpm. Slurry Volume 493.76 bbls, CO2 Mass 83 Tons, and 82,280lbs Sand Pumped over the Duration of the Frac. Proppant in Wellbore 7,351lbs with 74,929 lbs in formation. Load to Recover 405.26 bbls. Shut down. RU Flowback Equipment Opened valve on Flowback tee and began Flowback. RD MO. Flowed 9/17 13:00 600 psi (1/2"choke), 23:00 300 psi Strong Flow Water Gas and Prop. 9/18 08:20 290 psi, 19:00 change choke 3/4" 340 psi. End Flow 9/21 16:30 200 psi Flowing Water and Gas, 72 hrs total, Recovered 1390 BLW. SI Every Night Flow Back Tank Full.

9/25

Move In Rig Up Pulling Unit, Casing Pressure 560 psi, Kill Well, Nipple Down Frac Valve, Nipple Up Blow Out Preventer, Run in Hole With Sand Pump Tag @ 2010, Clean out Sand to 2040', Hammer union on Lubricator started Leaking, Could Not Repair, Shut Well In

9/30

Casing Pressure 520 psi, Repair Lubricator, Kill Well, Run in Hole with Sand Pump & Clean Sand From 1950' to 1985', Rig Down Lubricator, Trip in hole with Arrowset I Packer & 60 jts 2 3/8" tubing & 8' Pup Set @ 1933', SWI

10/1

Tubing Pressure 500 psi, Kill Well, Displace Casing w/ Packer Fluid, Pressure Casing to 500 psi, Nipple Down Blow Out Preventer, Nipple up Hanger Flange, Set Slips @ 10K in Tension, Pack Off Hanger Flange, Install Wellhead, Shut Well In, Rig Down Pulling Unit