

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy Cabinet Secretary

Heather Riley, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 7/11/18

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-34742-00-00	SUNRAY F	001G	HILCORP ENERGY COMPANY	G	A	San Juan	F	H	26	30	N	10	W

Application Type:

P&A Drilling/Casing Change Location Change

Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84; Submit Gas Capture Plan form prior to spudding or initiating recompletion operations)

Other:

Conditions of Approval:

- Compliance review pending. The Blanco Mesa Verde was perforated deeper than the approved interval.
- File an amended completion report showing corrected formation tops.



NMOCD Approved by Signature

8/9/18
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 24 2018

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

Farmington Field Office
Bureau of Land Management

5. Lease Serial No. **NMSF080751A**

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

Sunray F 1G

2. Name of Operator

Hilcorp Energy Company

9. API Well No.

30-045-34742

3a. Address

382 Road 3100, Aztec, NM 87410

3b. Phone No. (include area code)

505-599-3400

10. Field and Pool or Exploratory Area

Blanco Mesaverde / Basin Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Unit H (SE/NE) 1350' FNL & 735' FEL, Sec. 26, T30N, R08W

11. Country or Parish, State

San Juan, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

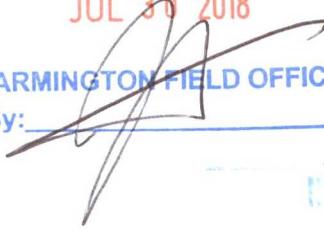
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please see attached.

ACCEPTED FOR RECORD

JUL 30 2018

FARMINGTON FIELD OFFICE

By: 

RECEIVED

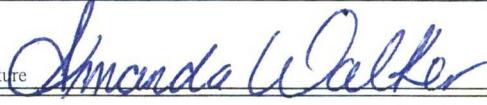
JUL 30 2018

DISTRICT III

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Amanda Walker

Title **Operations/Regulatory Technician - Sr.**

Signature 

Date

7/24/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instruction on page 2)

NMOCDA

Sunray F 1G
30-045-34742
Recomplete Sundry

6/21/2018: MIRU. N/D WH. N/U KILL SPOOL & BOP STACK. R/U WELLCHECK, PT – TEST GOOD. LOWER TBG STRING, TAG 7' FILL ON BTM F/7441' TO 7448' (PBSD). R/U TUBOSCOPE TBG SCANNER, SCAN & STRAP 2.375" TBG OUT OF HOLE. P/U & TIH W/3.75" MILL & 4.5 CSG SCRAPER. TIH T/5500'. TOH, STANDBACK 2.375" TBG, L.D MILL & SCRAPER. SWSI. SDFN.

6/22/2018: M/U 4 1/2" CIBP AND RUN TOOL AND TIH ON 2-3/8" PROD TBG. SET CIBP, TOP @ 5400'. RELEASE RUN TOOL. N/D BOP, N/U FRAC STACK. PT- TEST GOOD. RDMO @1800hrs ON 6/22/2018.

7/3/2018: RU WL. RIH AND PERFORATE STAGE 1 (PT. LOOKOUT), (45 SELECT FIRE SHOTS, 1 SPF, 0.34 HOLES) AS FOLLOWS: 5356', 5355', 5354', 5353', 5333', 5332', 5331', 5312', 5311', 5310', 5309', 5302', 5301', 5300', 5216', 5215', 5214', 5213', 5212', 5211', 5210', 5209', 5208', 5207', 5206', 5205', 5204', 5203', 5202', 5201', 5200', 5199', 5198', 5188', 5187', 5186', 5185', 5151', 5150', 5149', 5148', 5147', 5146', 5145', 5144'. FOAM FRAC'D PT LOOKOUT WITH 152,670 LBS 40/70 AND 43,169 GAL SLICKWATER AND 1.35 MILLION SCF N2. 70 QUALITY. AVG RATE = 60 BPM, AVG PSI = 2008. ISIP WAS 223 PSI. DROPPED 12 BIO-BALLS WITH 1/2 OF SAND PUMPED. RIH AND SET FRAC PLUG @ 5120'. PERFORATE STAGE 2, (MENELEE), (45 SELECT FIRE SHOTS, 1 SPF, 0.34 HOLES) AS FOLLOWS: 5047', 5046', 5045', 5044', 5043', 5042', 4990', 4989', 4988', 4966', 4965', 4964', 4957', 4956', 4955', 4954', 4854', 4853', 4852', 4851', 4850', 4840', 4839', 4838', 4837', 4836', 4811', 4810', 4809', 4808', 4784', 4783', 4782', 4751', 4750', 4749', 4748', 4723', 4722', 4721', 4720', 4719', 4702', 4701', 4700'. FOAM FRAC'D MENELEE WITH 200,050 LBS 40/70 AND 52,729 GAL SLICKWATER AND 2.11 MILLION SCF N2. 70 QUALITY. AVG RATE = 61 BPM, AVG PSI = 2527. ISIP WAS 666 PSI. SIW. SL. SDFN.

7/4/2018: R/U WL. RIH AND SET FRAC PLUG @ 4670'. PERFORATE STAGE 3, (CLIFFHOUSE), (45 SELECT FIRE SHOTS, 1 SPF, 0.34 HOLES) AS FOLLOWS: 4646', 4645', 4644', 4643', 4642', 4636', 4635', 4634', 4633', 4632', 4616', 4615', 4614', 4613', 4612', 4596', 4595', 4594', 4593, 4582', 4581', 4580', 4579', 4558', 4557', 4556', 4550', 4549', 4548', 4547', 4546', 4530', 4529', 4528', 4527', 4526', 4525', 4524', 4496', 4495', 4494', 4493', 4492', 4491', 4490. FOAM FRAC'D CLIFFHOUSE WITH 148,960 LBS 40/70 AND 40,310 GAL SLICKWATER AND 1.20 MILLION SCF N2. 70 QUALITY. AVG RATE = 61 BPM, AVG PSI = 2104. ISIP WAS 504 PSI. RIH AND SET CBP. BLEED OFF, PLUG HOLDING. RDMO WL @ 100hrs ON 7/4/2018.

7/5/2018: MIRU. N/D FRAC STACK. N/U BOP. N/U WASHINGTON HEAD. M/U 3 7/8" MILL AND TIH ON 2 3/8" TBG. TAG CBP @ 4283' SWVL UP – UNLOAD HOLE W/AIR. BRING ON MIST – DRLG CBP F/4283' TO 4308. CIRC UNTIL SAND CLEANED UP. SWI. SL. SDFN.

7/6/2018: TIH W/3 7/8" MILL F/4308' TAG CBP #1 @ 4670' SWVL UP, BRING ON AIR MIST, DRLG FRAC PLUG #1 F/4670' TO 4672'. TIH AND TAG PLUG REMNANTS AND SAND @ 5100'. SWVL UP AND BRING ON AIR MIST. CLEAN OUT TO FRAC PLUG #2 @ 5120', DRLG OUT CBP F/5120' TO 5122'. SWVL DN. TOH T/4360'. SWI. SL. SDFN.

7/7/2018: TIH F/4360' TAG @ 5347. SWVL UP AND BRING ON AIR MIST. C/O F/5347' TO CIBP @ 5407'. DRL OUT CIBP T/5409'. CIRC CLEAN. SWVL DOWN. TIH W/MILL, TAG @ 7418'. SWVL UP. BRING ON AIR MIST, C/O PLG REMANTS AND STAD T/7448' PBSD. SWI. SL. SDFN.

7/8/2018: TOH W/20 JTS, L/D MILLING BHA. M/U 2 3/8" PROD TBG AND TIH W/245 JTS OF 2 3/8". 4.7# J-55 TBG. LND TBG, EOT @ 7348'. TOP SN @ 7346'. N/D BOP. N/U WH AND FLO TREE. SW. RDMO @ 1500hrs ON 7/8/2018.

Well Name: SUNRAY F #1G

API / UWI 3004534742	Surface Legal Location 026-030N-010W-H	Field Name BASIN DAKOTA	License No.	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,289.00	Original KB/RT Elevation (ft) 6,305.00	KB-Ground Distance (ft) 16.00	KB-Casing Flange Distance (ft) 6,289.00	KB-Tubing Hanger Distance (ft) 6,291.00	

VERTICAL, Original Hole, 7/23/2018 2:48:51 PM

