

Well Name: SUNRAY B	Well Location: T30N / R10W / SEC 1 / SWNW / 36.843711 / -107.842251	County or Parish/State: SAN JUAN / NM
Well Number: 2M	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078208	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004533937	Operator: HILCORP ENERGY COMPANY	

Subsequent Report

Sundry ID: 2839955

Type of Submission: Subsequent Report Type of Action: Workover Operations

Date Sundry Submitted: 03/04/2025 Time Sundry Submitted: 12:21

Date Operation Actually Began: 02/13/2025

Actual Procedure: Hilcorp Energy Company recently performed a tubing repair on the following well, the tubing, please note the new tubing setting depth. Please see the attached workover operations.

SR Attachments

Actual Procedure

SUNRAY_B_2M_SR_Writeup_20250304122033.pdf

Well Name: SUNRAY B	Well Location: T30N / R10W / SEC 1 / SWNW / 36.843711 / -107.842251	County or Parish/State: SAN JUAN / NM
Well Number: 2M	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078208	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004533937	Operator: HILCORP ENERGY COMPANY	

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: AMANDA WALKER
Signed on: MAR 04, 2025 12:21 PM
Name: HILCORP ENERGY COMPANY
Title: Operations/Regulatory Technician
Street Address: 1111 TRAVIS ST
City: HOUSTON State: TX
Phone: (346) 237-2177
Email address: MWALKER@HILCORP.COM

Field

Representative Name:
Street Address:
City: State: Zip:
Phone:
Email address:

BLM Point of Contact

BLM POC Name: MATTHEW H KADE
BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647736
BLM POC Email Address: MKADE@BLM.GOV
Disposition: Accepted
Disposition Date: 03/04/2025
Signature: Matthew Kade

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
SUNDRY NOTICES AND REPORTS ON WELLS <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No.
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No.
2. Name of Operator		9. API Well No.
3a. Address	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State

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 type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input 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"/> Final Abandonment Notice	<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 perfonned 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 recompletion 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 detennined that the site is ready for final inspection.)

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

THE 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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SWNW / 1500 FNL / 255 FWL / TWSP: 30N / RANGE: 10W / SECTION: 1 / LAT: 36.843711 / LONG: -107.842251 (TVD: 0 feet, MD: 0 feet)

BHL: NENW / 621 FNL / 1330 FWL / TWSP: 30N / RANGE: 10W / SECTION: 1 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)



Well Operations Summary L48

Well Name: SUNRAY B #2M

API: 3004533937

Field: hBR_SAN JUAN

State: NEW MEXICO

Permit to Drill (PTD) #:

Sundry #:

Rig/Service: DWS 30

Jobs

Actual Start Date: 2/13/2025

End Date: 2/24/2025

Report Number 1	Report Start Date 2/13/2025	Report End Date 2/13/2025
--------------------	--------------------------------	------------------------------

Operation

MOVE RIG FROM THE HOWELL D #3 TO THE SUNRAY B #2M
(18 MILE MOVE). SPOT RIG AND EQUIPMENT.
ROAD TO LOCATION IN VERY POOR CONDITION.

RIG UP.

-
SITP: 72 PSI
SICP: 72 PSI
SIBH: 0 PSI
NO BLOW DOWN

TRAVEL TO YARD

Report Number 2	Report Start Date 2/14/2025	Report End Date 2/14/2025
--------------------	--------------------------------	------------------------------

Operation

TRAVEL TO LOCATION.
SERVICE AND START EQUIPMENT.

-
SITP: 72 PSI
SICP: 72 PSI
SIBH: 0 PSI
SIICP: 0 PSI
5 MIN BLOW DOWN

NIPPLE DOWN WELLHEAD, NIPPLE UP BOPE. RIG UP FLOOR.

PULL AND LAY DOWN TUBING HANGER.
TAG 60' OF FILL AT 8149'. 55K TO UNLAND TUBING.

WAIT ON SCAN UNIT, THE SCAN TRUCK IS STUCK IN BAR DITCH, CHAINED UP ALL THE WAY AROUND.
WAIT ON BACK HOE TO PULL THEM OUT AND MAKE SURE WE CAN GET OUT.
THE ROAD INTO LOCATION HAS 20 DEGREE BANKING + - DOWN TO THE BAR DITCH ON THE CORNERS.

CREW TRAVEL TO YARD

Report Number 3	Report Start Date 2/17/2025	Report End Date 2/17/2025
--------------------	--------------------------------	------------------------------

Operation

TRAVEL TO LOCATION.
SERVICE AND START EQUIPMENT.

-
SITP: 80 PSI
SICP: 80 PSI
SIBH: 0 PSI
SIICP: 0 PSI
5 MIN BLOW DOWN

RIG UP TUBOSCOPE SCANNING EQUIPMENT.
TRIP OUT OF HOLE INSPECTING 2-3/8" J-55 TUBING.

-
200- YELLOW
36- BLUE
23- GREEN
2- RED

DOWNGRADES DUE TO PITTING, NO HOLES FOUND
RIG DOWN TUBOSCOPE SCANNING EQUIPMENT.

PICK UP CLEAN OUT ASSEMBLY AND TRIP IN THE HOLE., TAG 46' OF FILL AT 8150'.

ATTEMPT TO ESTABLISH CIRCULATION WITH AIR MIST, COULD NOT GET WELL TO UNLOAD.

TRIP OUT OF THE HOLE 5 STANDS TO 7851'.

CREW TRAVEL TO YARD.

Report Number 4	Report Start Date 2/18/2025	Report End Date 2/18/2025
--------------------	--------------------------------	------------------------------

Operation

CREW TRVL T/LOC.
PJSM. SERVICE AND START EQUIPMENT.

SITP: 150 PSI
SICP: 85 PSI
SIBH: 0 PSI
SIICP: 0 PSI
5 MIN BLOW DOWN



Well Operations Summary L48

Well Name: SUNRAY B #2M

API: 3004533937

Field: hBR_SAN JUAN

State: NEW MEXICO

Sundry #:

Rig/Service: DWS 30

Operation

TOH 10 STANDS TBG F/7851' W/3-7/8" BIT T/7190'.

PUMP 5 GAL SOAP PILL DN TBG. ATTEMPT T/ESTABLISH CIRCULATION WITH AIR MIST, COULD NOT GET WELL TO UNLOAD.

BLEED DOWN TBG PRESSURE. TOH 16 STANDS TBG T/6032' (MESA VERDE PERFS).

PUMP SOAP PILL. ATTEMPT T/ESTABLISH CIRCULATION WITH AIR MIST,

BLEED DOWN TBG PRESSURE. TOH 15 STANDS TBG T/5075' (MESA VERDE PERFS).

ESTABLISH CIRCULATION WITH AIR MIST, USING 10 BPH FW, 3 GPH SOAP & 2 GPH CI. DID NOT UNLOAD ANY EXTRA FLUID.

BLEED DOWN TBG PRESSURE. TOH 15 STANDS TBG T/6032'.

ESTABLISH CIRCULATION WITH AIR MIST, USING 10 BPH FW, 3 GPH SOAP & 2 GPH CI. GOOD CIRC W/TRACE SAND IN RETURNS. UNLOADED HOLE.

BLEED DOWN TBG PRESSURE. TIH 16 STANDS TBG T/7190'.

ATTEMPT ESTABLISH CIRCULATION WITH AIR MIST, NEGATIVE. GOOD BLOW BUT UNLOADED HOLE.

SWI. WINTERIZE EQUIP. SECURE LOC. SDFN.

CREW TRVL T/YARD.

Report Number
5Report Start Date
2/19/2025Report End Date
2/19/2025

Operation

TRAVEL TO LOCATION

SERVICE AND START EQUIPMENT

.

SITP: 20 PSI
SICP: 90 PSI
SIBH: 0 PSI
SIICP: 0 PSI
5 MIN BLOW DOWN

TRIP OUT OF THE HOLE ABOVE MESA VERDE PERFS TO 5259, ESTABLISH CIRCULATION WITH 2000 CFM AIR WITH 5 BBLS OF WATER AND 1 GALLON OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR. GOOD CIRCULATION.

TRIP IN THE HOLE TO THE BOTTOM OF MESA VERDE PERFS TO 6185, ESTABLISH CIRCULATION WITH 2000 CFM AIR WITH 5 BBLS OF WATER AND 2 GALLONS OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR. GOOD CIRCULATION.

TRIP IN THE HOLE TO 6501, ESTABLISH CIRCULATION WITH 2000 CFM AIR WITH 5 BBLS OF WATER AND 2 GALLONS OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR. GOOD CIRCULATION.

TRIP IN THE HOLE TO 6813, ESTABLISH CIRCULATION WITH 2000 CFM AIR WITH 5 BBLS OF WATER AND 2 GALLONS OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR. GOOD CIRCULATION.

CABINET UNIT SHUT DOWN, LOST CIRCULATION.

REPAIR CABINET UNIT AND REGAIN CIRCULATION.

TRIP IN THE HOLE TO 7127', ESTABLISH CIRCULATION WITH 2000 CFM AIR WITH 5 BBLS OF WATER AND 2 GALLONS OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR. POOR CIRCULATION..

SPOT IN AND RIG UP SECOND 1350 CFM AIR UNIT.

SECURE WELL AND LOCATION.

TRAVEL TO YARD

Report Number
6Report Start Date
2/20/2025Report End Date
2/20/2025

Operation

TRAVEL TO LOCATION

SERVICE AND START EQUIPMENT

.

SITP: 20 PSI
SICP: 100 PSI
SIBH: 0 PSI
5 MINUTE BLOW DOWN.

JOHN ON LOCATION, SHOOT FLUID LEVEL, RESULTS ARE FLUID TOP TO MESA VERDE PERFS AT 5350'.

ESTABLISH CIRCULATION AT 7127' POOR CIRCULATION.

TRIP OUT OF HOLE TO 6938', ESTABLISH CIRCULATION WITH 2300 CFM AIR WITH 5 BBLS OF WATER AND 1-3 GALLONS OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR. GOOD CIRCULATION.

TRIP IN THE HOLE TO 7127', ESTABLISH CIRCULATION WITH 2300 CFM AIR WITH 5 BBLS OF WATER AND 4 GALLONS OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR. GOOD CIRCULATION.

POOR FOAMER

TRIP IN THE HOLE TO 7442', ESTABLISH CIRCULATION WITH 2300 CFM AIR WITH 5 BBLS OF WATER AND 4 GALLONS OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR. GOOD CIRCULATION.

TRIP IN THE HOLE TO 7820, ESTABLISH CIRCULATION WITH 1200, 2300 TO 3000 CFM AIR WITH 5 BBLS OF WATER AND 1 TO 4 GALLONS OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR.

RUN WITH MIST ON AND MIST OFF.

FAIR CIRCULATION, WELL MADE 30 BBLS OF WATER THROUGHOUT 3 HOURS OF CIRCULATING.

TRIP IN THE HOLE TO 8166', ESTABLISH CIRCULATION WITH 2300 TO 3000 CFM AIR WITH 5 BBLS OF WATER AND 1 GALLON OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR.

CLEAN OUT TO 8191', PBTD 8196.

RETURNS ARE 1/2 CUP OF FORMATION SAND PER 5 GALLON SAMPLE.

WellViewAdmin@hilcorp.com



Well Operations Summary L48

Well Name: SUNRAY B #2M

API: 3004533937

Field: hBR_SAN JUAN

State: NEW MEXICO

Sundry #:

Rig/Service: DWS 30

Operation

TRIP OUT 6 STANDS TO 7820'

SECURE WELL AND LOCATION.

TRAVEL TO YARD

Report Number

7

Report Start Date

2/21/2025

Report End Date

2/21/2025

Operation

TRAVEL TO LOCATION

SERVICE AND START EQUIPMENT

SITP: 20 PSI

SICP: 122 PSI

SIBH: 0 PSI

5 MINUTE BLOW DOWN.

JOHN RANTS ON LOCATION, SHOOT FLUID LEVEL, RESULTS ARE FLUID TO MESA VERDE PERFS AT 5115'.

TRIP OUT OF THE HOLE, LAY DOWN CLEAN OUT ASSEMBLY. KILL WELL WITH 20 BBLS OF WATER.

TRIP IN THE HOLE TO 6248', ESTABLISH CIRCULATION WITH 2300 CFM AIR WITH 5 BBLS OF WATER AND 1 GALLON OF FOAMER 2 GALLONS OF CORROSION INHIBITOR PER HOUR. GOOD CIRCULATION.

TURN OFF MIST PUMP AND 1 COMPRESSOR. CIRCULATE WITH ONE COMPRESSOR, LITE MIST IN RETURNS.

TURN OFF COMPRESSOR AND NATURAL FLOW WELL, VERY GOOD FLOW LITE MIST.

RUN 1 COMPRESSOR WITH MIST PUMP OFF, LITE MIST IN RETURNS.

TRIP OUT OF THE HOLE.

SECURE WELL AND LOCATION.

TRAVEL TO YARD

Report Number

8

Report Start Date

2/24/2025

Report End Date

2/24/2025

Operation

CREW TRAVEL TO LOCATION.

PJSM.

TIH WITH EXTRA TBG.

SWAP OUT TBG FLOATS.

L/D 60 JTS 2-3/8" 4.7# J-55 TBG.

M/U PROD BHA TIH TO 6,253'. L/D 14 JTS TO LANDING DEPTH.

M/U TBG HANGER AND LAND TBG AS FOLLOWS:

NEW EOT @ 5,820.43'

S/N @ 5818.83'

(1) TBG HANGER

(187) JTS 2-3/8" J-55 TUBING

(1) 2' MARKER 2-3/8" J-55

(1) JT 2-3/8" J-55 TBG

(1) 1.78" S/N

(1) 2-3/8" PUMP OUT PLUG

R/D FLOOR AND EQUIPMENT, N/D BOP, N/U WELLHEAD.

PUMP 5 BBL W/ 5 GAL CI SWEEP. PRESSURE TEST TBG TO 500 PSI, (GOOD). PUMP OUT PLUG @ 700 PSI, UNLOAD WELL.

SORT THROUGH TBG SWAP RIG STOCK TBG TO NEW FLOAT.

R/D DWS 30 AND EQUIPMENT. RELEASE RIG TO THE GRAMBLING C #3B.

CREW TRAVEL TO YARD.

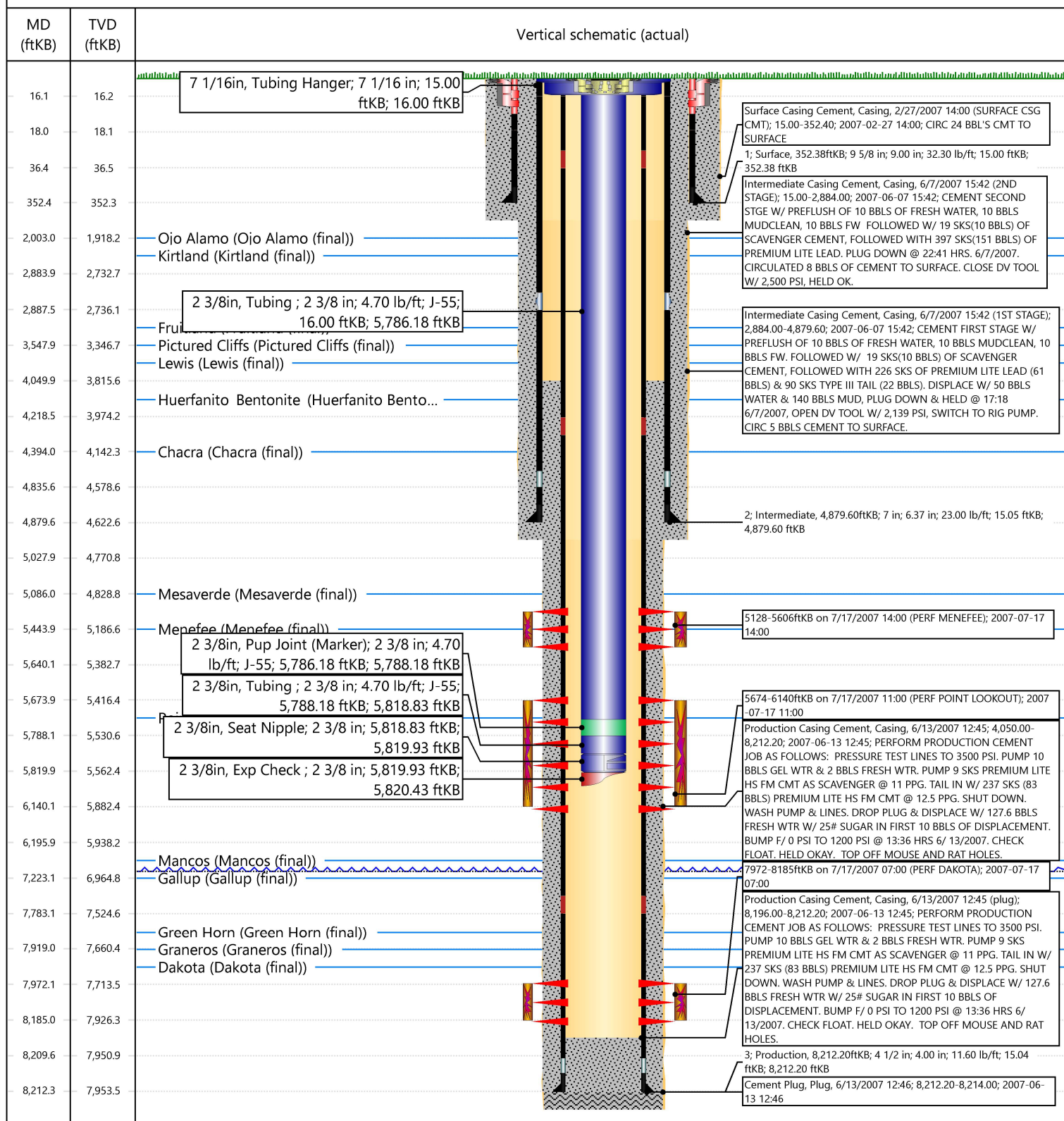


Current Schematic - Version 3

Well Name: SUNRAY B #2M

API / UWI 3004533937	Surface Legal Location 001-030N-010W-E	Field Name hBR_SAN JUAN	Route 0410	State/Province NEW MEXICO	Well Configuration Type DEVIATED
Ground Elevation (ft) 6,635.00	Original KB/RT Elevation (ft) 6,650.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 15.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
Tubing Strings					
Run Date 2/24/2025 13:00	Set Depth (ftKB) 5,820.43	String Max Nominal OD (in) 2 3/8	String Min Nominal ID (in) 2.00	Weight/Length (lb/ft) 4.70	Original Spud Date 2/26/2007 11:00

Original Hole [DEVIATED]



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 439120

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 439120
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	None	10/30/2025