

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 078056

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. NAME OF OPERATOR Hixon Development Company	
3. ADDRESS OF OPERATOR P.O. Box 2810, Farmington, New Mexico 87401	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL, 660' FWL, Section 31-T26N-R12W	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6159' GLE

7. UNIT AGREEMENT NAME
Central Bisti Lower Gallup8. FARM OR LEASE NAME
Unit

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Bisti Lower Gallup

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 31-T26N-R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

Convert to Water Injection

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to convert this Lower Gallup Sand oil well to water injection. The perforations 4895'-4900', 4906'-17', 4932'-38', 4942'-48', 4954'-60' and 4836'-70' will be squeezed with 150 sacks cement. The well will be cleaned out to 4883' and the interval 4836'-70' reperforated with 68 0.41" holes. A packer will be set on tubing above the injection interval, the perms stimulated with 1000 gallons 15% HCl acid and the well placed on injection. The casing will be tested and repaired if required prior to injection. Well name will be changed to WI-1. Please find supplemental information attached.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Petroleum Engineer

DATE 11/15/82

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

FEDERAL DISTRICT ENGINEER

Does not have approval to inject

*See Instructions on Reverse Side

NMOC

Hixon Development Company
Central Bisti Lower Gallup Unit Well No. 1
Supplemental Information

1. Name - CBU Well No. 1. (Well name to be changed to WI-1). Federal Minerals. Unit area. Refer to attached sundry notice.
2. There will be 600 BWPD of water injected into the Lower Gallup perforations 4836'-70'. Source of water is recycled Lower Gallup injection water. Water analysis is attached.
3. Water will be injected into the Unitized Lower Gallup sand. This well was shut in as non-commercial in May of 1968 because of incroaching water from offset injectors. Because of declining bottom hole pressure in this Unit area the well will be converted to pressure maintenance. It is to be used for secondary recovery operations and not waste water disposal. The Lower Gallup sand is isolated by impermeable Mancos shale above and below. Injection water is confined to the Lower Gallup sand. Calculated cement top is 3800'.
4. The injection Lower Gallup interval has oil, gas and previously injected water. The injected fluid is not reactive with the Lower Gallup sand.
5. Usable water in this wellbore is to the base of the Ojo Alamo about 90'. Attempts to drill a fresh water utility well in this area have proved the Ojo Alamo to be dry.
6. Refer to the attached wellbore diagram.
7. Refer to the attached wellbore diagram.
8. Refer to sundry notice and wellbore diagram. Anticipated injection pressure is 600 to 1000 psi. An amine-oxygen scavenger packer fluid will be placed in the tubing casing annulus above the packer to surface. Injection pressures will be held to less than fracture pressure.
9. The system is and will be monitored with continuous recording pressure charts and rate meters, taking of tubing and casing pressures, tracer surveys if required.

WELL NAME CBU Well No. 1

LOCATION 660' FSL, 660' FWL SECTION 31 T 26N R 12W

CURRENT STATUS: _____

GLE 6159'

RBM 6171'

KB 12'

SURFACE CASING

Hole size: 13-3/4"

Casing: 10-3/4" 32.75#

Casing set @ 173' with 200 sacks

FORMATION TOPS

Fruitland _____

Pictured Cliffs 1153'

Lewis _____

Cliffhouse _____

Menefee _____

Point Lookout 3637'

Mancos _____

Upper Gallup 4720'

Lower Gallup _____

CEMENT TOP 3800'
(by calculation)

PERFORATIONS 4954'-60', 4942'-48'
4932'-38', 4906'-17'
4895'-4900, 4836'-70'

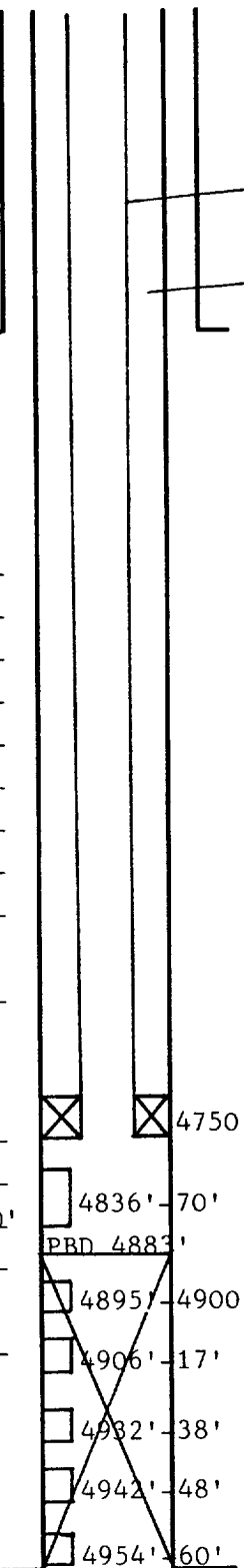
PBD 4969'

PRODUCTION CASING

Hole size: 7-7/8"

Casing: 5-1/2" 14# J-55 8rd

Casing set @ 4998'



2-3/8" 4.7# J-55 EUE 8rd tubing

Packer Corrosion Fluid

WELL HISTORY

Spud date: 4-27-56

Original owner: Sun ray Mid-Continent

IP 192 BOPD BWPD

GOR

Completion treatment: _____

CURRENT DATA

Pumping Unit _____

Tubing _____

Pump size _____

Rod string _____

Remarks _____

TD 5000'

san juan testing laboratory, inc.

PHONE

327-4966

907 WEST APACHE

P.O. BOX 2079

FARMINGTON, NEW MEXICO

Date June 10, 1977

Report to Hixon Development Company
Requested by A. Kuchera, Mgr. Sampled by Hixon Personnel
Project CBU #5 Location NW NW Sec. 6, T25N, R12W
Source of Material Lower Gallup Produced Water

Lab No. 24509 Water Analysis for Petroleum Engineering

TEST RESULTS

WATER ANALYSIS FOR PETROLEUM ENGINEERING

Constituent

Total Solids 2263 ppm
pH 7.25
Resistivity 2.94 ohms/meter @70°F
Conductivity 3,400 micromhos/cm @ 70°F

Constituents

Cations	Meg/L	ppm
Sodium	29.3	674
Calcium	2.3	45
Magnesium	0.5	6
Iron	neg.	3
Barium	0	0

Comments

Essentially this is a 0.2% sodium sulfate solution.

Anions

Chloride	4.1	145
Bicarbonate	4.0	244
Carbonate	0	0
Hydroxide	0	0
Sulfate	24.0	1150

Copies to Hixon Development Co. (3)
P.O. Box 2810
Farmington, New Mexico 87401

TEST NO. 22096

Certified by:

