

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

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"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-1292
2. NAME OF OPERATOR Hixon Development Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Unit
3. ADDRESS OF OPERATOR P.O. Box 2810, Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME Central Bisti Lower Gallup
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 5, T25N, R12W		8. FARM OR LEASE NAME Unit
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6201' GLE	9. WELL NO. 56 W. I.
		10. FIELD AND POOL, OR WILDCAT Bisti Lower Gallup
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 5, T25N, R12W
		12. COUNTY OR PARISH San Juan
		13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Resume Water Injection	X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) _____	

(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 resume water injection in the Lower Gallup sand in this well. The perforations 4808'-32', 4854'-60', 4876'-86' and 4890'-4902' will be squeezed with 150 sacks cement. The well will be cleaned out to 4843' and the interval 4808'-32' reperforated with 48 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-56. Please find the supplemental information attached.

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

SIGNED [Signature] TITLE Petroleum Engineer

DATE 11/11/82

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCC

*See Instructions on Reverse Side

APPROVED

DATE
NOV 17 1982JAMES F. SIMS
DISTRICT ENGINEER

Hixon Development Company
Central Bisti Lower Gallup Unit Well No. 56
Supplemental Information

1. Name - CBU Well No. 56. (Well name to be changed to WI-56). Federal Minerals. Unit area. Refer to attached sundry notice.
2. There will be 600 BWPd of water injected into the Lower Gallup perforations 4808'-32'. 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 has a history of water injection into the Lower Gallup from July 1959 to January 1964. From 1964 to the present it has been a producing Lower Gallup well. Because of declining bottom hole pressure in this Unit area the well will be returned 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 3830'.
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 110'. 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. 56 (GI-6)

LOCATION 660' FSL, 660' FWL SECTION 5 T 25N R 12W

CURRENT STATUS: PUMPING

GLE 6201'

RBM 6213'

DF 6211'

SURFACE CASING

Hole size: 15"

Casing: 10-3/4" 32.75# H-40

Casing set @ 208'

2-2/8" 4.7# J-55 8rd EUE
TUBING

PACKER CORROSION FLUID

FORMATION TOPS

Fruitland

Pictured Cliffs 1152'

Lewis

Cliffhouse

Menefee

Point Lookout 3600'

Mancos

Upper Gallup 4627'

Lower Gallup

CEMENT TOP 3830' CaCl

PERFORATIONS 4808'-32', 4854'-60'
(7/5/59) 4876'-86', 4890'-4902'

PBD 4953'

PRODUCTION CASING

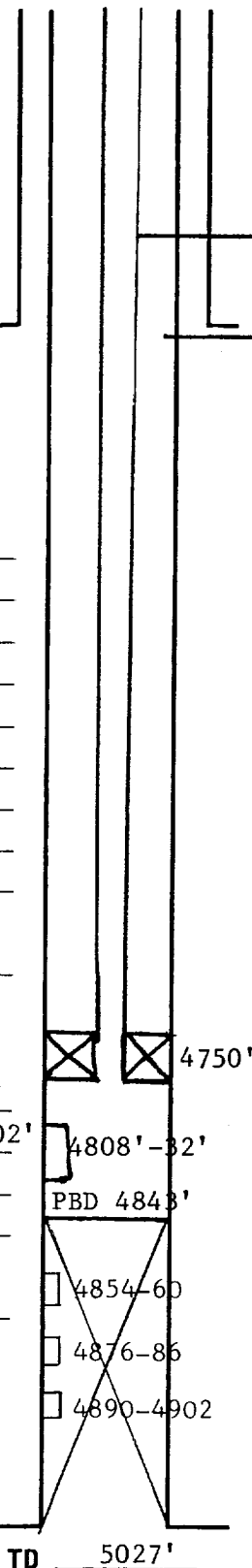
Hole size: 8-3/4"

Casing: 5 1/2" 15.5# & 14# J-55

Casing set @ 4997' w/250 sx

23 jts 5 1/2" 15.5 LT&C

98 jts 5 1/2" 14# ST&C



WELL HISTORY

Spud date: 8/23/56

Original owner: Phillips

IP 450 BOPD BWPD

GOR

Completion treatment: 10/14/56

CURRENT DATA

Pumping Unit American 160

Tubing 2-3/8"

Pump size 2 x 1-1/2 x 16

Rod string 138 of 3/4 & 49 of 7/8

Remarks Well converted to LPG 6/13/59

Set Baker Model 415D packer @ 4773',

latching sub & seal nipple

Perforated 7/5/59, Reran Model D

at 4760'. Type "E" latch-in seal
assembly. Model D driven to 4907'
12/13/63.

San Juan Testing Laboratory

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

<u>Constituent</u>		<u>Constituents</u>		
Total Solids	2263 ppm	<u>Cations</u>	<u>Meg/L</u>	<u>ppm</u>
pH	7.25	Sodium	29.3	674
Resistivity	2.94 ohms/meter @70°F	Calcium	2.3	45
Conductivity	3,400 micromhos/cm @ 70°F	Magnesium	0.5	6
		Iron	neg.	3
		Barium	0	0
<u>Comments</u>		<u>Anions</u>		
Essentially this is a 0.2% sodium sulfate solution.		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:

