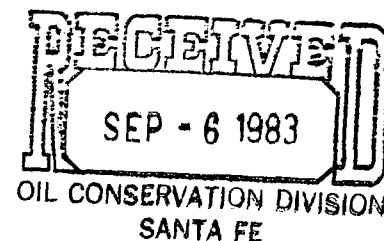


**HIXON DEVELOPMENT COMPANY**

P. O. BOX 2810  
FARMINGTON, NEW MEXICO 87499



September 1, 1983

Mr. Joe D. Ramey, Director  
Energy and Minerals Department  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

Subject: Request for Administrative Approval  
Downhole Commingling  
Irene Whitney No. 1  
1850' FSL, 1650' FWL, Sec. 21, T25N, R11W

Dear Mr. Ramey:

The subject well was recently drilled as a marginally productive Basin Dakota and Bisti Lower Gallup oil well. The well is a farmout to Hixon Development Company from Tenneco Oil & Gas Company. We respectfully request administrative approval to downhole commingle the two zones in this well. If administrative approval is not possible, we then request an earliest possible hearing date. This is necessary because this well's lease is expiring October 19, 1983.

The well is located on a Navajo Allotted lease and does not have a shut in well delay rental provision. We will be in jeopardy of losing the well's Dakota proration unit if production is not established across the lease expiration date.

The Dakota zone in this well tested 3.5 BOPD, 14 BWPD, 15 MCFD on 7/25/83. The 15 MCFD producing rate does not satisfy gas pipeline hookup requirements of 400 MCFD. Consequently the only way this production can be salvaged is through downhole commingling.


As a precedent for this request, the following Bisti field area Gallup-Dakota wells have been approved for commingling: Merry May #1 (24-24N-9W); 1-E Big eight (8-24N-9N) and July Jubilee #1 (30-24N-9W).

September 1, 1983  
Page 2

Enclosed for your review is information pertaining to Rule 303  
Section C. Please give this request your earliest consideration.

Very truly yours,

Hixon Development Company

by   
Aldrich L. Kuchera  
Executive Vice President

attachments

ALK:jja

cc: Mr. Frank Chavez-OCD-Aztec  
Tenneco Oil Company

Rule 303-C Downhole Commingling Data  
Irene Whitney No. 1  
NE SW Section 21, T25N, R11W  
San Juan County, New Mexico

1.-(a) (1) Daily oil production

<u>Zone</u>	<u>Perfs</u>	<u>BOPD</u>	<u>Date</u>
Dakota	5952'-62' 5854'-64'	3.5	7/25/83
Gallup	5096'-5100' 5056'-64' 5030'-40'	10	8/30/83

NOTE: The well is shut in waiting on a gas pipeline hookup.

(2) Both the Gallup and Dakota Zones will require artificial lift.

(3) Well tests showed production as follows:

<u>Zone</u>	<u>Date</u>	<u>BOPD</u>	<u>BWPD</u>	<u>MCFD</u>	<u>GOR</u>
Gallup	8/30/83	10	3	159	15,900
Dakota	7/25/83	3.5	14	15	4,286

NOTE: The Dakota was fraced with 2% KCL water. Only part of the load fluid was recovered by 7/25/83. The BWPD is expected to decrease to less than 10 BWPD after all frac fluid is recovered.

(4) Both the Gallup and Dakota produced water salinity are comparable and compatible with chlorides in the range of 29,000 ppm. Combining these two fluids will not result in formation damage.

(5) The total value of the crude oil will not be reduced by commingling. The oil gravity of the two crudes is in the range of 39. Both crudes will receive the same oil price.

(6) Ownership of both zones is common as follows:

	<u>WI</u>
Hixon et al	0.875
Tenneco Oil & Gas	0.125

Allotted Indian lease royalty on both oil and gas is 16-2/3%.

- (7) Commingling is not expected to jeopardize the efficiency of present or future secondary recovery operations. This area has been waterflooded in past.
- 1.-(b)
  - (1) The Dakota Zone is not commercial if produced through a separate tubing string. Our Gas Purchase Agreement with the Gas Company of New Mexico specifies 400 MCFD production against a 400 psi line pressure. In the absence of commingling the Dakota Zone will be plugged and abandoned and this resource will be lost.
  - (2) The measured 12 hour Dakota shut in bottom hole pressure (@ + 638' Datum) is 766 psia. The Gallup measured bottom hole (mid perf) pressure is 671 psia shut in after 24 hours. No significant zone crossflow is expected.
  - (3) Both zones produce comparable salinity fluids. Formation damage is not anticipated.
  - (4) Both the Dakota and Gallup fluids are compatible on the basis of comparable water analysis.
  - (5) Both zones have common ownerships and royalty.
  - (6) The lower Dakota zone pressure is higher than the upper Gallup pressure (766 psia vs. 671 psia).
- 2.
  - (a) Hixon Development Company  
P.O. Box 2810  
Farmington, NM 87499
  - (b) Navajo Lease- NOO-C-14-20-5243  
Irene Whitney No.1  
1850' FSL, 1650' FWL, Sec. 21-25N-12W  
San Juan County, New Mexico  
Pools- Basin Dakota  
Bisti Lower Gallup

- (c) Plat attached. Ownership map attached. Note:  
This and all offset acreage is owned/assigned to  
Hixon Development Company and by Tenneco. A copy  
of this application is being sent to Tenneco Oil &  
Gas Company.
- (d) Current production test of the Gallup is per the  
attached Form C-116. The Dakota zone was shut in  
temporarily plugged back 7/26/83. The Dakota  
tested 3.5 BOPD, 14 BWPD, 15 MCFD on 7/25/83.
- (e) Attached are completion reports showing completion  
information. The Gallup zone was IP'd at 10 BOPD,  
3 BWPD, 159 MCFD On 8/30/83.
- (f) Measured bottom hole pressure (7/26/83) of the  
Dakota is 766 psia. Measured Gallup BHP on  
8/27/83 is 671 psia.
- (g) The Dakota produces 0.7 specific gravity natural  
gas, a green paraffin based oil (39 API) and  
produced water. The produced water is comparable  
in salinity and ion/cation components to the Gallup  
produced water. The Gallup produces comparable  
paraffin based oil and gravity natural gas.
- (h) Production value  
commingled is as follows:

	<u>\$/Day</u>
(13.5 BOPD) (\$29.60/BO) =	399.60
(174 MCFD) (\$2.00/MCF) =	348.00
Commingled daily revenue	747.60

Production value without commingling will be based  
on the Gallup only because the Dakota will be  
plugged and abandoned.

(10 BOPD) (\$29.60/BO) = 296.00

(159 MCFD) (\$2.00/MCF) = 318.00

Non-commingled daily revenue \$614.00

---

- (i) Production will be allocated on the basis of current well testing and calculated reserves. Production will be allocated as a ratio of oil and gas produced by both zones taking into consideration differential declining reserves.

The first year's production will be allocated as follows:

Dakota Gas = Total Gas Produced x 15/174

Gallup Gas = Total Gas Produced x 159/174

Dakota Oil = Total Oil Produced x 3.5/13.5

Gallup Oil = Total Oil Produced x 10/13.5

- (j) Tenneco Oil Company is the owner of the well's lease. Offset leases are per the attached map and are owned/assigned to Tenneco and Hixon Development Company. Tenneco has been notified of this commingling request in writing.

WELL NAME Irene Whitney #1  
LOCATION 1850' FSL, 1650' FWL SECTION 21 T 25N R 11W  
COUNTY San Juan STATE NM

GLE 6583'  
RBM 6595'  
DF \_\_\_\_\_  
KB-12'

### SURFACE CASING

Hole size: 12-1/4"  
Casing: 8-5/8" 24# ST&C  
Casing set @ 520.71'  
w/275 SX

### FORMATION TOPS

<u>Pictured Cliffs</u>	<u>1367'</u>
<u>Menefee</u>	<u>2860'</u>
<u>Point Lookout</u>	<u>3833'</u>
<u>Gallup</u>	<u>4926'</u>
<u>Sanostee</u>	<u>5385'</u>
<u>Dakota "A"</u>	<u>5806'</u>
<u>Dakota "B"</u>	<u>5948'</u>
<u>Burro Canyon</u>	<u>6050'</u>

### CEMENT TOP

### PERFORATIONS

5030'-40', 5056'-64'  
5096'-5100'  
5854'-64'  
5952'-62'

PBD 6031'

### PRODUCTION CASING

Hole size: 7-7/8"  
Casing: 5-1/2" 15.5# K-55 ST&C  
Casing set @ 6072' w/ 850 SX

TD 6077'

### WELL HISTORY

Spud date: 7-1-83  
Original owner: Tenneco Farmout  
IP \_\_\_\_\_ BOPD \_\_\_\_\_ BWPD \_\_\_\_\_  
GOR \_\_\_\_\_ MCF \_\_\_\_\_  
Completion treatment: \_\_\_\_\_

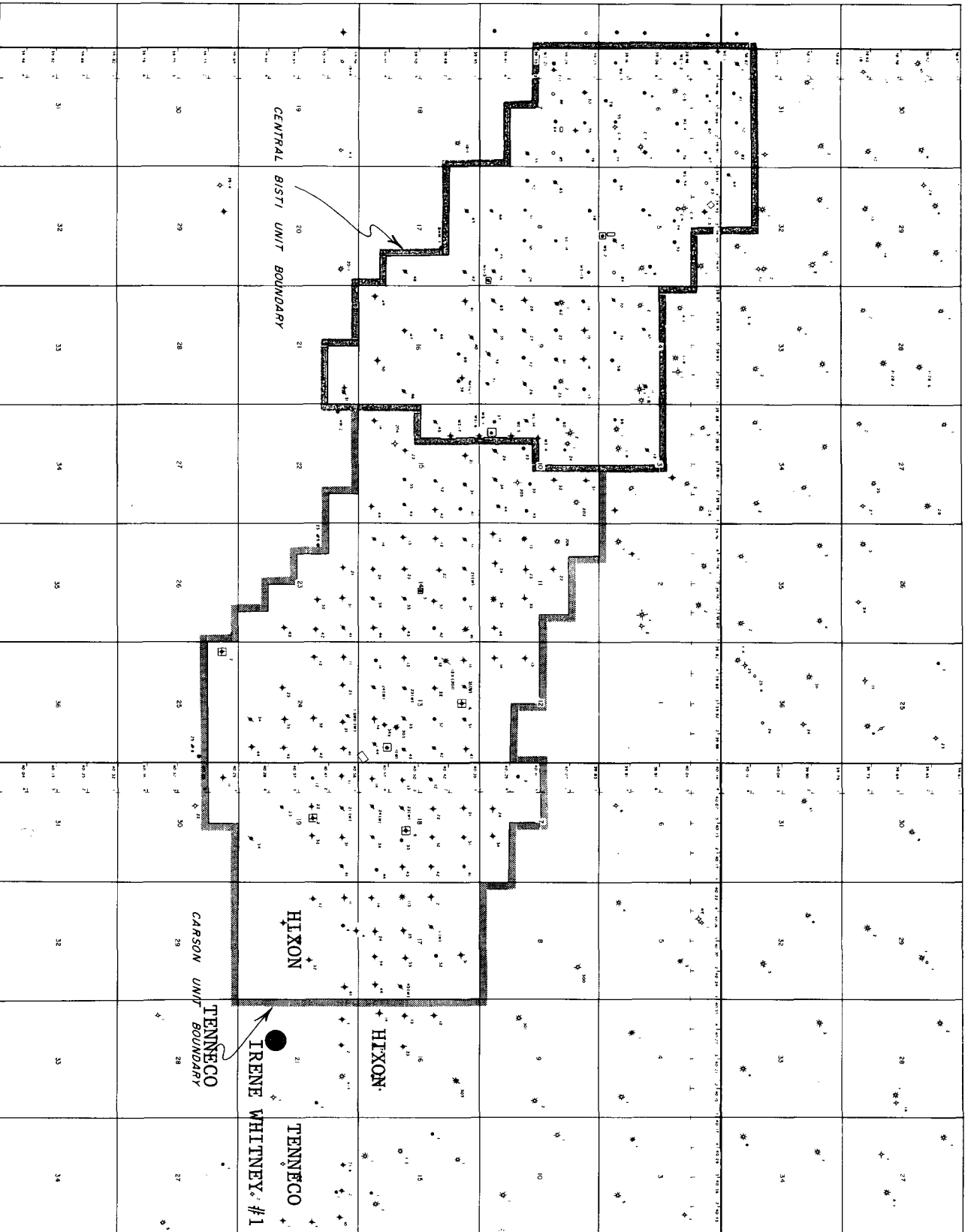
### CURRENT DATA

Pumping Unit 228 Lufkin  
Tubing \_\_\_\_\_  
Pump size \_\_\_\_\_  
Rod string \_\_\_\_\_  
Remarks \_\_\_\_\_

Temporary retrievable  
bridge plug @ 5150'

R 12 W

R 11 W



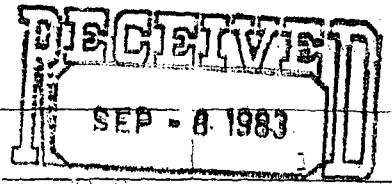
OFFSET OWNERSHIP MAP

HIXON DEVELOPMENT COMPANY

CENTRAL BISTI - CARSON UNIT AREA

San Juan County, New Mexico  
Scale 1" = 1000'





Hixon Development Company		Irene Whitney			
Well Letter K	Section 21	Township 25 North	Range 11 West	County San Juan	OIL CONSERVATION DIVISION SANTA FE

Well Footage Location of Well:

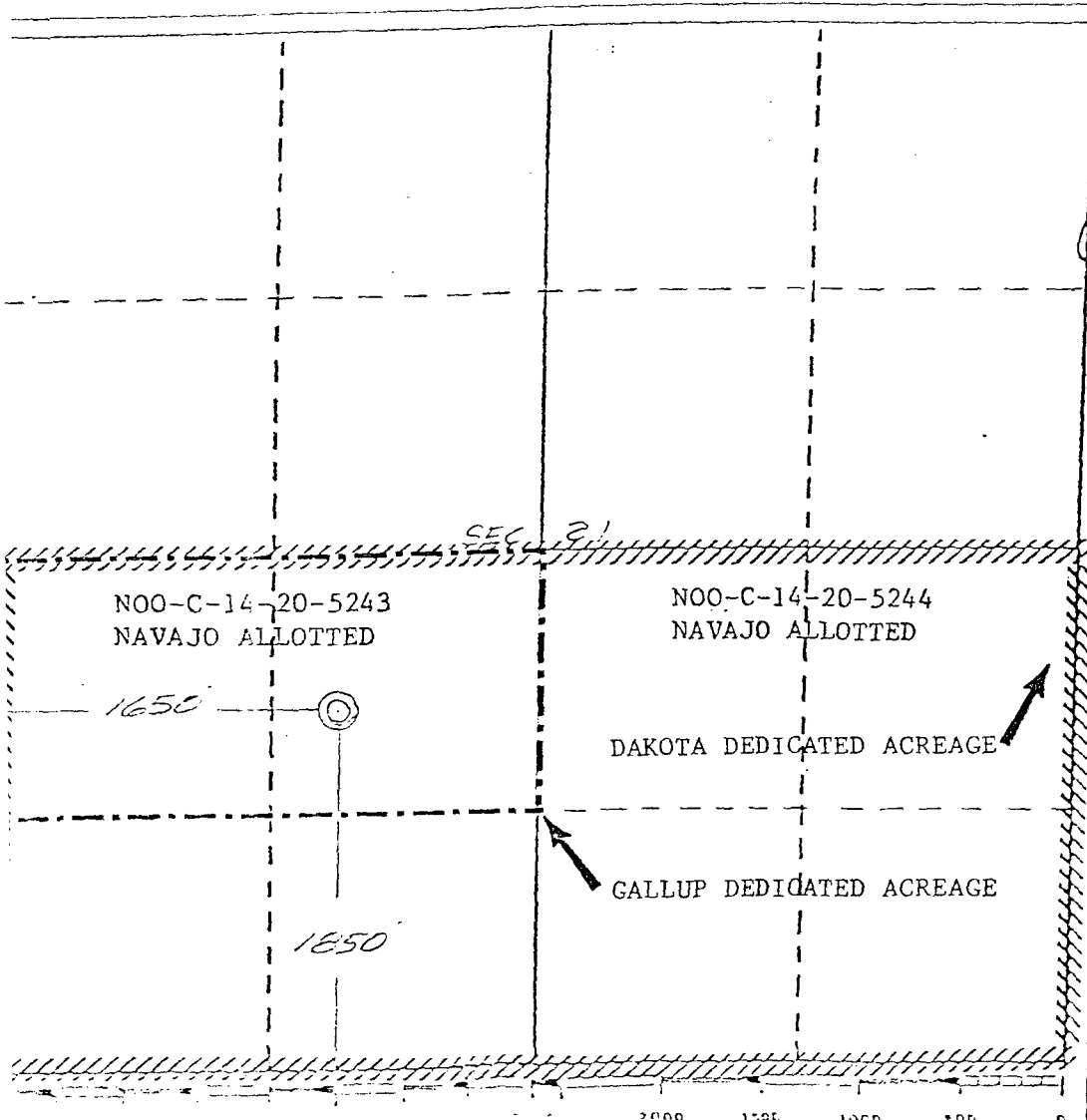
1850	feet from the	South	line and	1650	feet from the	West	line
Ground Level Elev. 6593	Producing Formation Lower Gallup		Pool Bisti Lower Gallup		Dedicated Acreage: 80 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

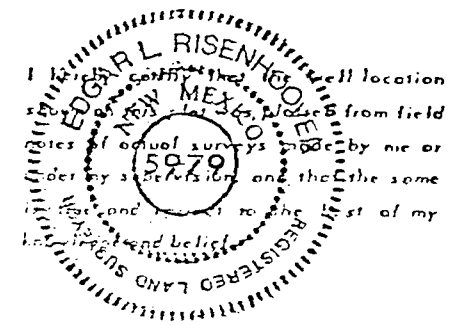
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



#### CERTIFICATION

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

Name  
Aldrich L. Kuchera  
Position  
Petroleum Engineer  
Company  
Hixon Development Company  
Date  
April 5, 1983



Date Surveyed  
March 29, 1983  
Registered Professional Engineer  
and/or Land Surveyor

Edgar L. Risenhoover  
Certificate No. 5979  
Edgar L. Risenhoover, L.S.

# NEW MEXICO OIL CONSERVATION COMMISSION GAS - OIL RATIO TESTS

C-116  
Revised 1-1-65

Hixon Development Company		Pool Basin Dakota		County San Juan											
P.O. Box 2810, Farmington, New Mexico 87499				TYPE OF TEST - (X)											
				Scheduled <input type="checkbox"/>											
				Completion <input checked="" type="checkbox"/>											
				Special <input type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	SIZING	CHOKE SIZE	T.B.G. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.	
		U	S	T							R	WATER BBL'S.	GRAV. OIL BBL'S.		OIL BBL'S.
Irene Whitney	1	K	21	25N	11W	7/25/83	S	.250	3	24	14	39	3.5	15	4286

**RECEIVED**  
SEP - 8 1983  
OIL CONSERVATION DIVISION  
SANTA FE

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base must be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Keep original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with the rules and appropriate pool rules.

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

SEP 1 1983

*Michael L. Hixson*  
(Signature)  
Petroleum Engineer  
(Title)

September 1, 1983

**NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS**

C-116  
Revised 1-1-65

Hixon Development Company		Pool		Bisti Lower Gallup		County		San Juan								
Box 2810, Farmington, New Mexico 87499				TYPE OF TEST - (X)		Scheduled <input type="checkbox"/>		Completion <input checked="" type="checkbox"/>		Special <input type="checkbox"/>						
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL.			
		U	S	T						R	WATER BBL.S.	GRAV. OIL BBL.S.		OIL BBL.S.	GAS M.C.F.	
Trone Whitney	1	K	21	25N	11W	8/30/83	P	.250	150	-	24	3	39	10	159	15,900

**RECEIVED  
SEP - 6 1983  
OIL CONSERVATION DIVISION  
SANTA FE**

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowable when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

SEP 1 1983

Petroleum Engineer

(Signature)

(Title)

September 1, 1983

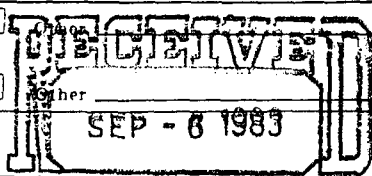
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form Approved  
Budget Bureau No. 41-10444

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐  
1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐



2. NAME OF OPERATOR  
Hixon Development Company  
3. ADDRESS OF OPERATOR  
P.O. Box 2810, Farmington, New Mexico 87499 SANTA FE  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1850' FSL, 1650' FWL, 21-25-11  
At top prod. interval reported below  
At total depth

14. PERMIT NO. DATE ISSUED

5. FARM OR LEASE NAME  
Irene Whitney  
6. WELL NO.  
1  
7. UNIT AGREEMENT NAME  
Navajo Allotted  
8. FIELD-AND POOL, OR WILDCAT  
Bisti Lower Gallup  
9. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Section 21, T25N, R11W  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
NM

15. DATE SPUDDED 7/1/83 16. DATE T.D. REACHED 7/9/83 17. DATE COMPL. (Ready to prod.) 8/2/83 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 6595' KB 19. ELEV. CASINGHEAD 6583' GLE

20. TOTAL DEPTH, MD & TVD 6077' 21. PLUG, BACK T.D., MD & TVD BP @ 5150' 22. IF MULTIPLE COMPL., HOW MANY\* 2 23. INTERVALS DRILLED BY 23. ROTARY TOOLS X 23. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Gallup 5096'-5100', 5056'-5064', 5030'-5040'  
25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Induction Electric and Compensated Density Neutron Gamma Ray  
27. WAS WELL CORED no

CASING RECORD (Report all strings set in well)						AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		
8-5/8"	24#	521'	12-1/4"	325 ft <sup>3</sup> Class B w/2% CaCl <sub>2</sub>	& 1/2#/sx cello	
5-1/2"	15.5#	6072'	7-7/8"	620 ft <sup>3</sup> Class H poz. 4% D-20 gel. 1/2#/sx D-29 cello & 0.6% D-60 flac. 410 ft <sup>3</sup> 65/35 Class		
				poz. 2% D-20 gel. 1/2#/sx cello. .6% flac & 10		

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4936'	

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5096'-5100'				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5056'-5064'				5096'-5100'	1500 gallons 7-1/2% HCl acid
5030'-5040'				5056'-5064'	75,000# 20-40 sand & 89,166 gallons 2% KCl
				5030'-5040'	

33. PRODUCTION  
DATE FIRST PRODUCTION 8/2/83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) pumping WELL STATUS (Producing or shut-in) Shut in high GOR  
DATE OF TEST 8/30/83 HOURS TESTED 24 CHOKE SIZE .250 PROD'N. FOR TEST PERIOD 10 OIL—BBL. 159 GAS—MCF. 3 WATER—BBL. 15,900  
FLOW. TUBING PRESS. 150 CASING PRESSURE 25 CALCULATED 24-HOUR RATE 10 GAS—MCF. 159 WATER—BBL. 3 OIL GRAVITY-API (CORR.) 39

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To Be Sold TEST WITNESSED BY OMB

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED [Signature] TITLE Petroleum Engineer DATE 9/1/83

\*(See Instructions and Spaces for Additional Data on Reverse Side)

MAILED  
SEP 1 1983

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation logs, and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 16: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Socks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUBION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38.	GEOLOGIC MARKERS
Fruitland	922'				
Pictured Cliffs	1367'				
Lewis	1577'				
Cliffhouse	1723'				
Benetee	2860'				
Point Lookout	3833'				
Mancos	4028'				
Upper Gallup	4926'				
Lower Gallup	5010'				
Sanoosce	5385'				
Greenhorn	5762'				
Dakota "A"	5806'				
Dakota "B"	5948'				
Burro Canyon	6050'				

NAME

TOP

MEAN DEPTH

TRUE VENT DEPTH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form Approved  
GSA FPMR No. 42-10001

See other side  
for instructions  
on how to fill out

LEASE REGISTRATION AND SERIAL NO.

NOO-C-14-40-3243

C. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Allotted

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Irene Whitney

WELL NO.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. NAME OF OPERATOR

Hixon Development Company

3. ADDRESS OF OPERATOR

P.O. Box 2810, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1850' FSL, 1650' FWL, 21-25-11

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

OIL CONSERVATION DIVISION

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 21, T25N, R11W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUDDED

7/1/83

16. DATE T.D. REACHED

7/9/83

17. DATE COMPL. (Ready to prod.)

7/25/83

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

6595' KB

19. ELEV. CASINGHEAD

6583' GLE

20. TOTAL DEPTH, MD & TVD

6077'

21. PLUG. BACK T.D., MD & TVD

6031'

22. IF MULTIPLE COMPL., HOW MANY\*

2

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5854'-5864', 5952'-5962' Basin Dakota

25. WAS DIRECTIONAL SURVEY MADE

yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Electric and Compensated Density Neutron Gamma Ray

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	521'	12-1/4"	325 ft <sup>3</sup> Class B w/2% CaCl <sub>2</sub>	1/2#/sx cello
5-1/2"	15.5#	6072'	7-7/8"	620 ft <sup>3</sup> Class H poz, 4% D-20 gel, 1/2#/sx D-29 cello, 0.6% D-60 flac. 410 ft <sup>3</sup> 65/35 Class H doz, 2% D-20 gel, 1/2#/sx cello, .6% flac, 10%	20 gal

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

D-44 salt

31. PERFORATION RECORD (Interval, size and number)

5854'-5864' 21 holes

5952'-5962' 21 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5854'-5864'	24 barrels 15% HCl acid and
5952'-5962'	13,000# 20/40 sand using
	545,980 SCF nitrogen & 20260 gal 70 quality foam

33.\*

PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in)

swabbing

shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/25/83	12	.250	→	1.75	7.5	7	4286
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
3	220	→	3.5	15	14		39

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To Be sold

TEST WITNESSED BY

OMB

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

DATE 8/31/83  
MAILER  
SEP 1 1983

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POHOUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FOUNDATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Fruitland	922'						
Pecked Cliffs	1367'						
Lewis	1577'						
Cliffhouse	1723'						
Heenee	2860'						
Point Lookout	3833'						
Mancos	4028'						
Upper Gallup	4926'						
Lower Gallup	5010'						
Sanooslee	5385'						
Greenhorn	5762'						
Dakota "A"	5806'						
Dakota "B"	5948'						
Burro Canyon	6050'						



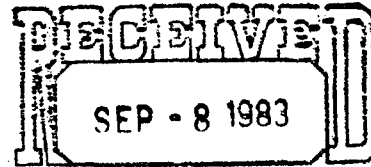
STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 9/7/83

RE: Proposed MC \_\_\_\_\_  
Proposed DHC   x   \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_



OIL CONSERVATION DIVISION  
SANTA FE

Gentlemen:

I have examined the application dated 9/6/83  
for the Siron Development Co. Jane Whitney #1 K-21-25N-11W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

Frank J. Perry