

**New Mexico**  
**Energy Minerals and Natural Resources Department**  
**Oil Conservation Division**  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Department

**R E C E I V E D**

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO THE SANTA FE  
OFFICE

**JUN 28 1999**

OIL CONSERVATION DIVISION

## I. Operator and Well

## II. Date/Time Information

**IV. Attach a list of all working interest owners with their percentage interests.**

**V. AFFIDAVIT:**

Michael G. Hanagan, being first duly sworn, upon oath states:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced well.  
2. To the best of my knowledge, this application is complete and correct.

Signature [Signature] Title President Date 6/24/99

SUBSCRIBED AND SWORN TO before me this 24<sup>th</sup> day of June, 1999.

Paula J. Becker  
Notary Public

**My Commission expires:** 8/12/2001

**FOR OIL CONSERVATION DIVISION USE ONLY:**

**VI. CERTIFICATION OF APPROVAL:**

**This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.**

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 7/6/99

**NOTICE: The operator must notify all working interest owners of this New Well certification.**

PV2V2005848314

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 6 copies  
**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

Form C-105  
Revised 1-1-89

WELL API NO.  
30-005-63185

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well:  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER \_\_\_\_\_  
b. Type of Completion:  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER \_\_\_\_\_

7. Lease Name or Unit Agreement Name

Twin Lakes San Andres Unit

2. Name of Operator  
Hanagan Petroleum Corporation

8. Well No.  
316

3. Address of Operator  
P.O. Box 1737 - Roswell, NM 88202-1737

9. Pool name or Wildcat  
Twin Lakes San Andres (Associated)

4. Well Location  
Unit Letter I : 2310 Feet From The SOUTH Line and 330 Feet From The EAST Line

Section 36 Township 8S Range 28E NMPM Chaves County

10. Date Spudded 01/02/99 11. Date T.D. Reached 01/13/99 12. Date Compl. (Ready to Prod.) 02/09/99 13. Elevations (DF & RKB, RT, GR, etc.) 3977' RKB 14. Elev. Casinghead 3971'

15. Total Depth 2767' 16. Plug Back T.D. 2738' 17. If Multiple Compl. How Many Zones? \_\_\_\_\_ 18. Intervals Drilled By \_\_\_\_\_ Rotary Tools ☒ Cable Tools \_\_\_\_\_

19. Producing Interval(s), of this completion - Top, Bottom, Name  
2638'-2684'

20. Was Directional Survey Made  
No

21. Type Electric and Other Logs Run  
Cased hole gamma ray/comp. neutron/CCL

22. Was Well Cored  
No

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8.625"	24	110'	12.25"	3yds - Redi-Mix	0
5.5"	15.50	2764'	7.875"	965ex - circulated 25ex	0

**24. LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

**25. TUBING RECORD**

SIZE	DEPTH SET	PACKER SET
2.375"	2781	

26. Perforation record (interval, size, and number)  
2638'-2642', 2658'-2662', 2664'-70', 2674'-84' w/28 holes

**27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>2638'-2684'</u>	<u>10,000gal 20% HCl</u>

**28. PRODUCTION**

Date First Production 02/08/99 Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING Well Status (Prod. or Shut-In) producing

Date of Test 02/10/99 Hours Tested 24 Choke Size \_\_\_\_\_ Prod'n For Test Period \_\_\_\_\_ Oil - Bbl. 9 Gas - MCF tstn Water - Bbl. 251 Gas - Oil Ratio \_\_\_\_\_

Flow Tubing Press. \_\_\_\_\_ Casing Pressure 0psi Calculated 24-Hour Rate \_\_\_\_\_ Oil - Bbl. 9 Gas - MCF tstn Water - Bbl. 251 Oil Gravity - API - (Corr.) 24

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By  
M. Hanagan

30. List Attachments

2 copies of logs, deviation survey record

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature [Signature] Printed Name Michael G. Hanagan Title President Date 04/19/99

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all specific tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 710.0	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 854.0	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 932.0	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2012.0	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

## OIL OR GAS SANDS OR ZONES

No. 1, from 2626' to 2686' No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

**Include data on rate of water inflow and elevation to which water rose in hole.**

No. 1, from ..... to ..... feet .....

No. 2, from ..... to ..... feet .....

No. 3, from ..... to ..... feet .....

**LITHOLOGY RECORD** (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

WELL NAME AND NUMBER Twin Lakes San Andres Unit 316

LOCATION 2310' FSL & 330' FEL, Section 36, T8S, R28E, Chaves County NM

OPERATOR Hanagan Petroleum Corporation

DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/4° 524'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 1014'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 1512'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 2010'</u>	<u>                    </u>	<u>                    </u>
<u>1/4° 2505'</u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>

Drilling Contractor United Drilling, Inc.

By: George A. Cho

Title: Business Manager

Subscribed and sworn to before me this 18<sup>th</sup> day of January, 1999.

Norma Tankersley  
Notary Public

My Commission Expires: 9-25-99

Chaves NM  
County State

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

## OIL CONSERVATION DIVISION

2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO.  
30-005-83185

Indicate Type of Lease

STATE ☐

FEE ☒

State Oil & Gas Lease No.

Lease Name or Unit Agreement Name

Twin Lakes San Andres Unit

**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"  
(FORM C-101) FOR SUCH PROPOSALS.)

Type of Well:

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

Name of Operator  
HANAGAN PETROLEUM CORPORATION

Well No.

316

Address of Operator  
P.O. BOX 1737 - ROSWELL, NM - 88202-1737

Pool name or Wildcat

Twin Lakes San Andres (Associated)

Well Location

Unit Letter I : 2310 Feet From The SOUTH Line and 330 Feet From The EAST Line

36 Section 8s Township 28e Range NMPM CHAVES County

Elevation (Show whether DF, RKB, RT, GR, etc.)

3977'kb

11

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

### SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☒

OTHER: ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1/2/99 - MIRU United Drilling Co. Rig #10 - drill 12.25" hole to 110' w/air - run 3jts 8.625" 24#/ft casing to TD - RU Valley Concrete & cement w/3yds Redi-Mix to surface - RD Rig #10

1/13/99 - TD 7.875" hole @ 2767' - Run 63jts of 5.5", 15.50#/ft 8rd J55 casing w/shoe @ 2764' (KB) -RU BJ Services & cement w/765sx 50% "C"/50% Poz w/5#-sk salt + 10% bentonite lead cement(weight=11.80#/gl / yield = 2.39), tailed in w/200sx Class "C" cement (weight=14.80#/gl / yield=1.32), circulate 25sx cement to pits - Release rig

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

SIGNATURE Michael G. Hanagan TITLE President

DATE 01-20-99

TYPE OR PRINT NAME Michael G. Hanagan

TELEPHONE NO. 623-5053

(This space for State Use)

**ORIGINAL SIGNED BY TIM W. GUM  
DISTRICT II SUPERVISOR**

APPROVED BY 1360 TITLE

DATE 1-27-99

CONDITIONS OF APPROVAL, IF ANY:

XC To postbox 3-11-99

Attachment to Form C-142**WORKING INTEREST OWNERS**

***Hanagan Petroleum Corporation  
Twin Lakes San Andres Unit Well #316***

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Weeks & Stroecker Twin Lakes, LLC  
P.O. Box 1230  
Fairbanks, AK 99707-1230

Mr. Rick Winther  
3175 College Rd., Suite 1  
Fairbanks, AK 99709

Nabob Production Company  
P.O. Box 9598  
Amarillo, TX 79105-9598

Entech Enterprises  
4900 Woodway, Suite 800  
Houston, TX 77056-1809

United Drilling Company  
P.O. Box 2488  
Roswell, NM 88202-0310

Elk Oil Company  
P.O. Box 310  
Roswell, NM 88202-0310

Tres Featherstone  
1801 West Second Street  
Roswell, NM 88201

Olen Featherstone, II  
1801 West Second Street  
Roswell, NM 88201

Aceite Associates, LLC  
1801 West Second Street  
Roswell, NM 88201

Manzano Oil Corporation  
P.O. Box 2107  
Roswell, NM 88202-2107

Reynolds Family Trust  
P.O. Box 1498  
Roswell, NM 88202-1498

Western Oil Producers  
P.O. Box 2055  
Roswell, NM 88202-2055

W.E.K. Drilling Co., Inc.  
P.O. Box 1498  
Roswell, NM 88202-1498

TJ & 4K Partnership  
Route 1, 2904 Ave. De Amigos  
Roswell, NM 88201

Richard J. Forrest, Jr.  
208 Dickson Lane  
Carlsbad, NM 88220

New Mexico Western Minerals, Inc.  
P.O. Box 1738  
Roswell, NM 88202-1738

Mikens, LLC  
P.O. Box 1737  
Roswell, NM 88202-1737

Hanagan Petroleum Corporation  
P.O. Box 1737  
Roswell, NM 88202-1737