

Submit 2 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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
RECEIVED
MAR 26 1990
OIL CON. DIV

Santa Fe, New Mexico 87504-2088

WELL API NO.
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-290-3
7. Lease Name or Unit Agreement Name Johnston A Lease
8. Well No. 8, 13, 11
9. Pool name or Wildcat Dakota, Mesa Verde, Pictured Cliff

SUNDRY NOTICES AND REPORTS ON DISTRICTS (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.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
2. Name of Operator Union Oil Company of California dba Unocal	
3. Address of Operator P.O. Box 850 Bloomfield, New Mexico 87413	
4. Well Location Unit Letter <u>B.G.I.</u> <u>1180</u> Feet From The <u>North</u> Line and <u>1650</u> Feet From The <u>East</u> Line Section <u>36</u> Township <u>27N</u> Range <u>6W</u> NMMP Rio Arriba County 10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>6605' GR</u>	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <u>Install Cathodic Protection</u> <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. 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.

Proposed Installation of cathodic protection to well casings:

Prodecure: Drill a 6" diameter hole, 300' deep with the existing well location boundary. Six lida ST-1.60/50 anodes will be installed below the upermost waterbearing formation and back filled with coke breeze (99.5% carbon) to completely surround the anodes. Backfill the rest of the hole with gravel or drilling tailings.

A DC rectifier will be installed on the location (look at drawing). A buried DC positive cable will be connected to the ground bed from the rectifier. Three buried negative cables will run from the rectifier to the Johnston "A" 8, 13, and 11 well heads. These negative cables will be buried approximately 18" to 24" deep in the middle of the roadways as shown in the attached drawing. AC power for this rectifier will come from an existing Jemez electric power line.

All work on this project will be inside existing well location and inside road boundaries.

(continued on attache

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

SIGNATURE Mike Tabet TITLE Production Technician DATE 3/21/1990
TYPE OR PRINT NAME MIKE TABET TELEPHONE NO. 632-1811

(This space for State Use)

Original Signed by CHARLES GHULSON

APPROVED BY _____ TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAR 29 1990

CONDITIONS OF APPROVAL, IF ANY:

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OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name
8. Well No.
9. Pool name or Wildcat
10. Elevation (Show whether DF, RKB, RT, GR, etc.)

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.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator	
3. Address of Operator	
4. Well Location Unit Letter _____ : _____ Feet From The _____ Line and _____ Feet From The _____ Line Section _____ Township _____ Range _____ NMMPM _____ County _____	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER: _____ <input type="checkbox"/>

12. 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.

Attached is a drawing of Johnston "A" 8 and a map showing all wells to be protected, including the route to be taken with the buried DC cable negatives.

Date of installation and completion is pending on BLM approval. Unocal's completion expectations is by May 1, 1990.

No archaeological study is submitted because DC cable will be buried in the middle of the road as shown on map.

RECEIVED

MAR 26 1990

OIL CON. DIV

DIST. 3

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

SIGNATURE

Mike Tabert

TITLE

DATE

TYPE OR PRINT NAME

MIKE TABERT

TELEPHONE NO. 632-1811

(This space for State Use)

Original Signed by CHARLES WILKINSON

DEPUTY OIL & GAS INSPECTOR, DIST. 3

MAR 29 1990

APPROVED BY

TITLE

DATE

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Santa Fe, New Mexico 87504-2088

WELL API NO.
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E 290-28
7. Lease Name or Unit Agreement Name Johnston A
8. Well No. 13
9. Pool name or Wildcat Basin Dakota

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.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
2. Name of Operator Union Oil Company of California	
3. Address of Operator 3300 N. Butler, Suite 200, Farmington, NM 87401	
4. Well Location Unit Letter <u>G</u> : <u>1840</u> Feet From The <u>North</u> Line and <u>1650</u> Feet From The <u>East</u> Line Section <u>36</u> Township <u>27N</u> Range <u>6W</u> NMPM Rio Arriba County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6599' GR	

11. Check Appropriate Box to Indicate Nature of Notice, 100% of the Notice NOTICE OF INTENTION TO:		RECEIVED NOV 13 1990 OIL CON. DIV. DIST 3	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ENTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT <input type="checkbox"/>	
OTHER: Plug DK, recomplete RT <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. 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. MIRUSU
2. Cleanout to PBTD and swab test Dakota. If unproductive set cement retainer above Dakota perfs and cement squeeze with 60 sx(71 ft³) class "B" cement.
3. Evaluate casing and cement bond. Perform any cement squeeze work as necessary.
4. Perforate Gallup as follows: 6963' - 6973' w/2 JSPF. Fracture stimulate with 50,000# 20/40 sand.
5. Perforate the following with 1 JSPF; 6564', 66', 6662', 75', 79', 6750', 74', 78', 82', 86', 90', 94', 98', 6810', 14', 18', 65', 74', 83'. Fracture stimulate with 100,000# 20/40 sand.
6. Cleanup after fracs.
7. Land 2 3/8", 4.7#, J-55 tubing at 6970'.
8. Release rig.

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

SIGNATURE Stergie Katirgis TITLE Petroleum Engineer DATE 10-8-90
TYPE OR PRINT NAME Stergie Katirgis TELEPHONE NO. _____

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE NOV 15 1990
CONDITIONS OF APPROVAL, IF ANY:

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P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E 290-28
7. Lease Name or Unit Agreement Name Johnston A
8. Well No. 13
9. Pool name or Wildcat Basin Dakota/Und. Gallup
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6599' GR

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.)

1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER
2. Name of Operator Union Oil Company of California
3. Address of Operator 3300 N. Butler, Suite 200, Farmington, NM 87401
4. Well Location Unit Letter G : 1840 Feet From The North Line and 1650 Feet From The East Line Section 36 Township 27N Range 6W NMPM Rio Arriba County

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: Plug DK & recomplete Gallup <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. 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.

- MIRUSU.
- TIH to cement retainer at 7302'. Sting into retainer and pump 60 sx class "B" cement to plug Dakota. Spot 5 sx on top of retainer. Pressure test casing.
- Run GR-CBL-CNL & Temp logs across Gallup. Do any necessary squeeze work.
- Perforate lower Gallup from 6963'-73' w/ 4 JSPF. Breakdown w/ acid. Fracture stimulate the lower Gallup w/ 60,000# sand in x-linked gelled water.
- Set BP above lower Gallup.
- Perforate upper Gallup from 6564'-6883' w/ 20 shots. Breakdown w/ acid. Fracture stimulate upper Gallup w/ 150,000# sand in x-linked gelled water.
- Cleanup both zones. Run after frac logs.
- Land 2-3/8", 4.7# tubing at 6970'.
- Clean up location. Release rig.

RECEIVED
JUN 18 1991

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

SIGNATURE S. G. Katirgis TITLE Petroleum Engineer DATE JUN 14-91
TYPE OR PRINT NAME S.G. Katirgis TELEPHONE NO. 326-7600

(This space for State Use)

Original Signed by CHARLES GHOLSON DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUN 18 1991
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
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WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Union Oil Company of California			Lease Johnston A E 290-28		Well No. 13
Unit Letter G	Section 36	Township 27N	Range 6W	NMPM	County Rio Arriba

Actual Footage Location of Well:

1840 feet from the North line and 1650 feet from the East line
Ground level Elev. 6599' Producing Formation Gallup Pool Undesignated Gallup Dedicated Acreage: 160 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 interest 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 interest, has been approved by the Division.

OPERATOR CERTIFICATION

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

Signature: *William Hering*
Printed Name: William Hering
Position: District Petroleum Eng.
Company: Union Oil Co. of Calif.
Date: 10-8-90

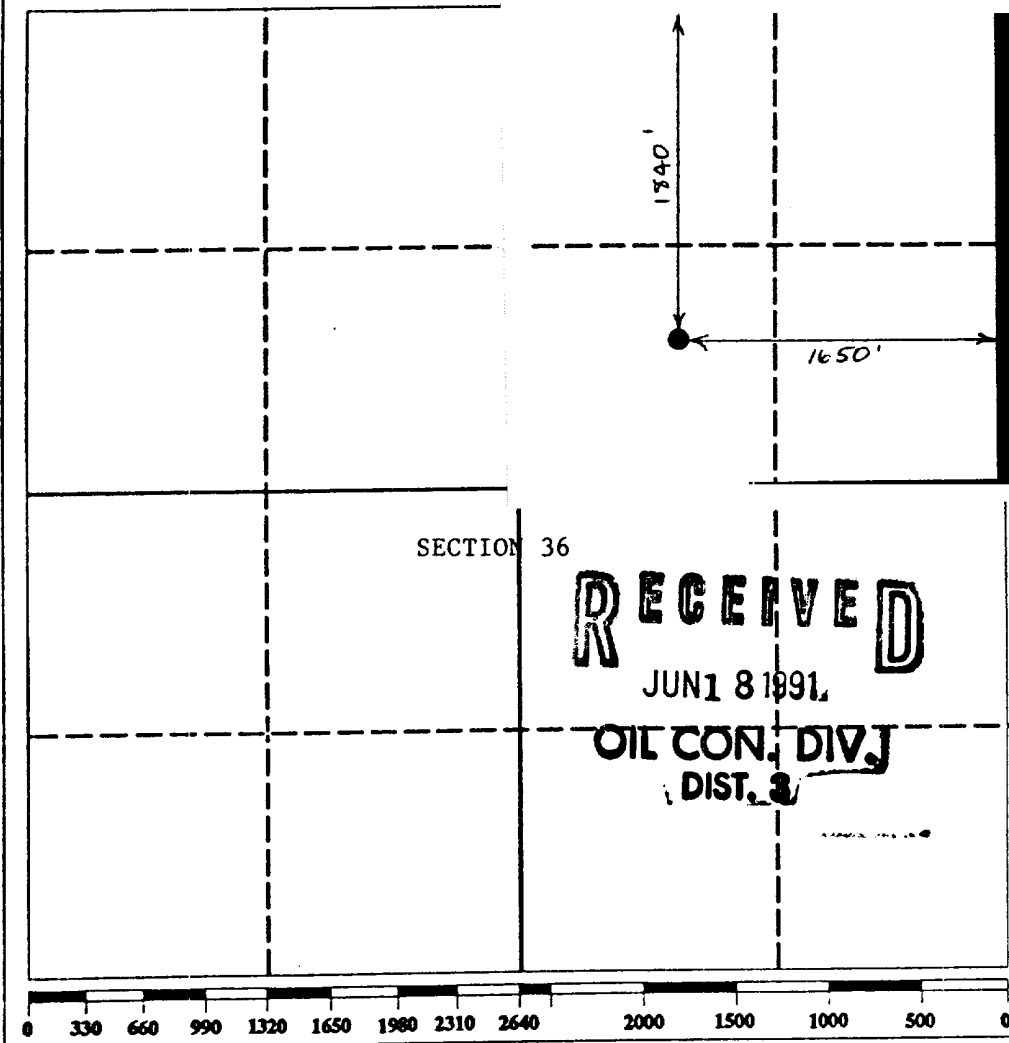
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.



* ORIGINAL PLAT ON FILE