

**Application of Chevron U.S.A. Inc.
for Approval of Surface Lease Commingling,
Lea County New Mexico.**

Case No. 15204



DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
---------	----------	----------	-----------	------	---------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☒ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☒ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

CINDY HERRERA-MURILLO
 Print or Type Name

Cindy Herrera-Murillo
 Signature

PERMITTING SPECIALIST
 Title

07/22/2014
 Date

BEFORE THE OIL CONSERVATION
 DIVISION
 Santa Fe, New Mexico
 Exhibit No. 1

Submitted by: CHEVRON U.S.A., INC.
 Hearing Date: September 17, 2014

.Cherreramurillo@chevron.com
 e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-B
Revised August 1, 2011

OIL CONSERVATION DIVISION

1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Submit the original
application to the Santa Fe
office with one copy to the
appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: CHEVRON USA INC
OPERATOR ADDRESS: 1616 W. BENDER BLVD. HOBBS, NM 88240
APPLICATION TYPE:

☐ Pool Commingling ☒ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingling)

LEASE TYPE: ☒ Fee ☐ State ☐ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No. _____
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
☒ Yes ☐ No

(A) POOL COMMINGLING

Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

(2) Are any wells producing at top allowables? ☐ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No.
(4) Measurement type: ☐ Metering ☐ Other (Specify) _____
(5) Will commingling decrease the value of production? ☐ Yes ☐ No If "yes", describe why commingling should be approved _____

(B) LEASE COMMINGLING

Please attach sheets with the following information

(1) Pool Name and Code: RED HILLS; BONE SPRING, NORTH
(2) Is all production from same source of supply? ☒ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No
(4) Measurement type: ☐ Metering ☒ Other (Specify) Monthly well test

(C) POOL and LEASE COMMINGLING

Please attach sheets with the following information

(1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT

Please attached sheets with the following information

(1) Is all production from same source of supply? ☐ Yes ☐ No
(2) Include proof of notice to all interest owners.

(E) ADDITIONAL INFORMATION (for all application types)

Please attach sheets with the following information

(1) A schematic diagram of facility, including legal location.
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.
(3) Lease Names, Lease and Well Numbers, and API Numbers.

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

SIGNATURE Cindy Herrera-Murillo TITLE: PERMITTING SPECIALIST DATE: 07/22/2014

TYPE OR PRINT NAME CINDY HERRERA-MURILLO TELEPHONE NO.: 575-263-0431

E-MAIL ADDRESS: Chesteramurillo@chevron.com



Cindy Herrera-Murillo
Regulatory Specialist
Midcontinent BU

Chevron North America
Exploration and Production Company
(A Chevron U.S.A. Inc. Division)
1616 W. Bender Blvd. Room 121
Hobbs FMT, Hobbs, NM 88240
Tel 575-263-0431
Cherreramurillo@chevron.com

July 22, 2014

Oil Conservation Division
Attn: Engineering Department
1220 S. St. Francis Drive
Santa Fe, NM 87505

Application for surface commingling, Bone Spring Pool, Lea County, NM (T24S-R34E, Sec 14)

Dear Sirs,

Chevron North America respectfully requests administrative approval to surface commingle oil, gas, and water production from the Bone Spring Pool through Chevron's Gramma Ridge Battery. Chevron requests the approval to minimize surface disturbance and future traffic by concentrating activities at one battery. Wells producing to this battery include the Chevron Gramma Ridge 14 24 34 #1H and the Gramma Ridge 14 24 34 #2H. All wells will be completed within the Red Hills; Bone Spring North sand Formation, per attached map. These wells are located in section 14, T24S-R34E, Lea County, New Mexico. APDs for each well, which includes surface plats, are included with this notification.

The working interest and royalties are as follows for each well involved in this request:

Gramma Ridge 14 24 34 #1H (71.2% Chevron) WI/ 28.8%.

Gramma Ridge 14 24 34 #2H (83.3 % Chevron) WI/ 16.7%

These wells will be horizontally drilled in fall of 2014. As such, the wells will be allocated by monthly Well test with coriolis on oil and EFM on gas. A schematic showing this configuration is attached.

Names of all WIO and RIO for each well are included with this request, and all of these owners are being notified of this request and that each will have 20 days with which to object to the commingling request per NMOC Rule 19.15.12.10 Surface Commingling C. (4) c.

Sincerely,

A handwritten signature in black ink that reads "Cindy Herrera-Murillo".

Cindy Herrera-Murillo
Permitting Specialist



Cindy Herrera-Murillo
Regulatory Specialist
Midcontinent BU

Chevron North America
Exploration and Production Company
(A Chevron U.S.A. Inc. Division)
1616 W. Bender Blvd. Room 121
Hobbs FMT, Hobbs, NM 88240
Tel 575-263-0431
Cherreramurillo@chevron.com

July 22, 2014

Re: Application for Surface Commingling
Gramma Ridge, Bone Spring Tank Battery
Section 14, T24S, R 34E
Lea County, New Mexico

State of New Mexico
Commissioner of Public Lands
PO Box 1148
Santa Fe, NM 87504

Dear Sirs,

Chevron USA Inc. respectfully requests gives notice of intent to surface commingle oil, gas, and water production from the Bone Spring Pool through Chevron's Gramma Ridge Battery. Chevron's request the approval to minimize surface disturbance and future traffic by concentrating activities at one battery. Wells producing to this battery include the Chevron Gramma Ridge 14 24 34 #1H; Gramma Ridge 14 24 34 #2H. All wells will be completed within the Red Hills; Bone Spring North sand Formation, per attached map. These wells are located in section 14 T24S-R34E, Lea County, New Mexico.

The working interest and royalties for each well are as follows:
Gramma Ridge 14 24 34 #1H (71.2% Chevron) WI/ 28.8 %
Gramma Ridge 14 24 34 #2H (83.3% Chevron) WI/ 16.7 %

Any objections to this commingle must be sent to the New Mexico Oil Conservation Division; 1220 South St. Francis Drive; Santa Fe, New Mexico 87504, within 20 days of receipt of this notification. If you require additional information, please contact me at 575-263-0431, or by email at: cherreramurillo@chevron.com.

Sincerely,

A handwritten signature in cursive script that reads "Cindy Herrera-Murillo".

Cindy Herrera-Murillo
Permitting Specialist

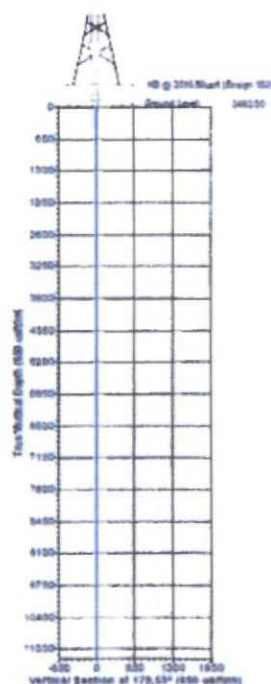
Gramma Ridge 1H – the second well – 30-025-41811



Project: Lea County NM (NAD27 NME)
Site: Gramma Ridge 14-24-34
Well: #1H
Wellbore: WB1
Design: Plan #1 04-02-14
Rig: Ensign 163



Adjusts to Grid North
True North: 4.64°
Magnetic North: 4.70°
Magnetic Field
Strength: 48549.8017
Dip Angle: 65.14°
Date: 04/02/2014
Model: IGRF2014_14



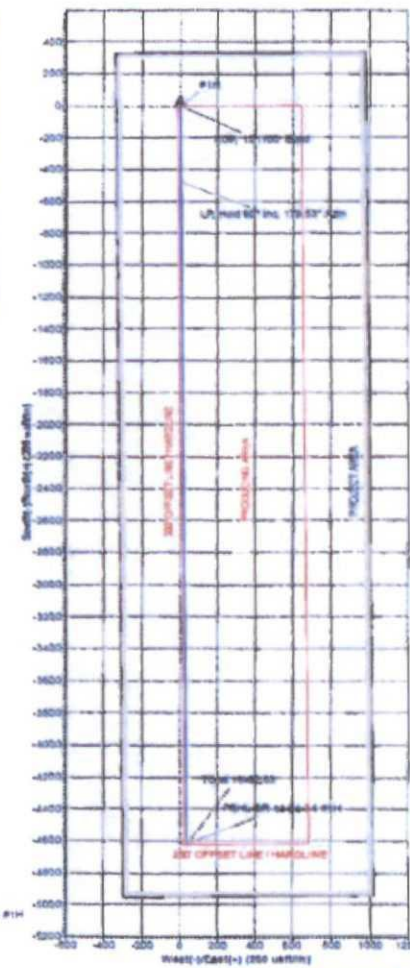
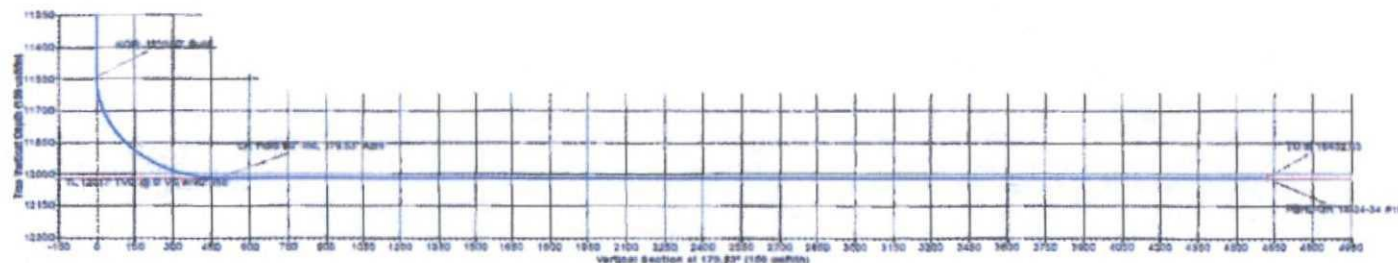
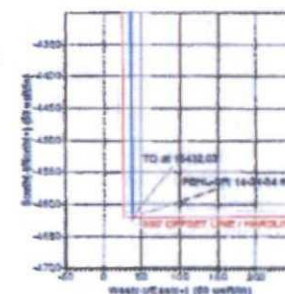
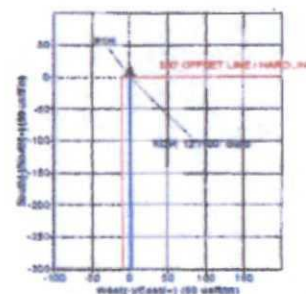
WELL DETAILS									
NAD	U	Y	Section	Section	Latitude	Longitude	Altitude	Depth	
0.00	0.00	0.00	448271.80	776517.00	34.02 N	103° 36' 30.99488 W	127.28 25.84488 ft		

SECTION DETAILS									
Seq	MD	Inc	Alt	TVD	NAD	U	Y	Section	Section
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	11039.54	0.00	0.00	11039.54	0.00	0.00	0.00	0.00	0.00
3	12389.54	90.00	179.53	12371.00	-477.46	3.86	12.91	179.53	477.46
4	14432.00	90.00	179.53	12371.00	-477.46	3.86	12.91	179.53	477.46

DESIGN TARGET DETAILS									
Name	TVD	NAD	U	Y	Section	Section	Latitude	Longitude	Depth
PBHL-GR 14-24-34 #1H	12371.00	-477.46	3.86	12.91	179.53	477.46	34.02 N	103° 36' 30.99488 W	127.28

LEGEND									
Plan #1 04-02-14									

Map System: UTM 18N Zone 18N (Best station)
Datum: NAD 1983 (NAD83 CONUS)
Zone Name: New Mexico East 3001
Local Origin: Well #1H, Grid North
Latitude: 34° 02' 25.84488 N
Longitude: 103° 36' 30.99488 W
Grid East: 776517.00
Grid North: 448271.80
Scale Factor: 1.000
Geographic Model: GRS80, 14
Sample Date: 04-02-14
Magnetic Declination: 7.15°
Dip Angle from Horizontal: 65.14°
Magnetic Field Strength: 48549.80
To convert a Magnetic Direction to a Grid Direction, Add 6.70°
To convert a Magnetic Direction to a True Direction, Add 7.15° East
To convert a True Direction to a Grid Direction, Subtract 6.45°



Gamma Ridge 2H – the first well – 30-025-41731



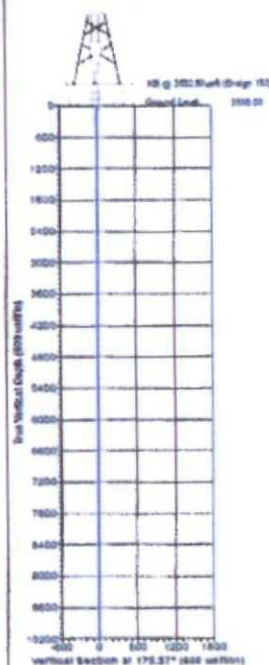
Project: Lea County NM (NAD27 NME)
Site: Gamma Ridge 14-24-34
Well: 82H
Wellbore: WBI/Job #1410440
Design: Plan #3 06-02-14
Rig: Ensign 153



PHOENIX
TECHNOLOGY SERVICES



Latitude to Grid North
True North: -6.43°
Magnetic North: 8.00°
Magnetic Field
Intensity: 48550.14
Obs Angle: 85.13°
Date: 01/01/2014
Model: IGRF2010_14



WELL DETAILS															
Well	82H	Job	14-24-34	Wellbore	WBI/Job #1410440	Design	Plan #3 06-02-14	Rig	Ensign 153	Spud Date	11/01/13	Completion Date	11/01/13	Well Status	Active
Well	82H	Job	14-24-34	Wellbore	WBI/Job #1410440	Design	Plan #3 06-02-14	Rig	Ensign 153	Spud Date	11/01/13	Completion Date	11/01/13	Well Status	Active

SECTION DETAILS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Sec	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC	NO	Inc	As	TC</

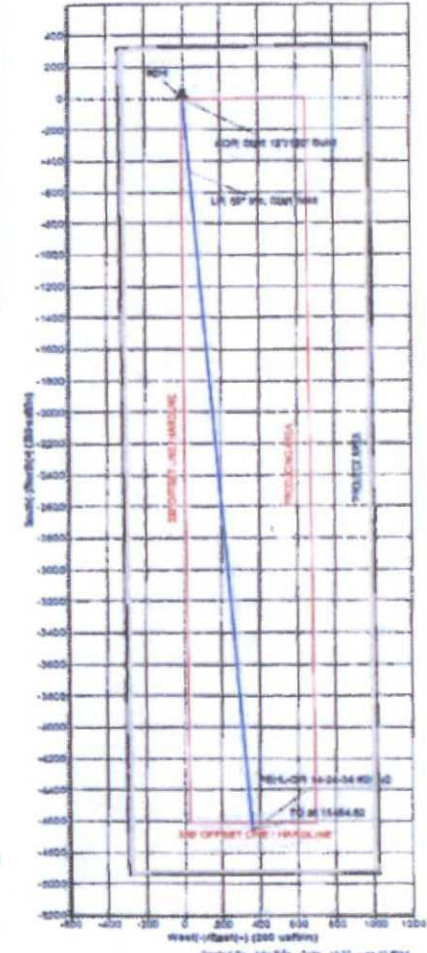
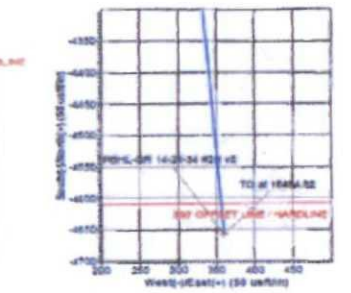
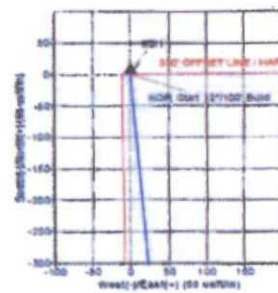
SECTION DETAILS															
Well	82H	Job	14-24-34	Wellbore	WBI/Job #1410440	Design	Plan #3 06-02-14	Rig	Ensign 153	Spud Date	11/01/13	Completion Date	11/01/13	Well Status	Active

DESIGN TARGET DETAILS															
Well	82H	Job	14-24-34	Wellbore	WBI/Job #1410440	Design	Plan #3 06-02-14	Rig	Ensign 153	Spud Date	11/01/13	Completion Date	11/01/13	Well Status	Active

LEGEND														
Plan #3 06-02-14														

Map System:	US State Plane (NAD27 Coast extension)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
County:	NACI 1987 (1987 CONUS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
State:	Clark 1968																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Zone Name:	New Mexico East 3051																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Local Origin:	Wap: 82H, Grid North																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Latitude:	35° 15' 25.45256 N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Longitude:	103° 26' 51.79637 W																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Grid East:	77370.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Grid North:	463243.30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
State Factor:	1.000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Geomagnetic Model:	IGMP2013_14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Sample Date:	7/98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Magnetic Declination:	7.98°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Dr. Angle from Horizontal:	80.131°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Magnetic Field Strength:	45533																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
To convert a Magnetic direction to a Grid direction, Add a 60° to convert a Magnetic direction to a True direction, Add 7.98° East to convert a True direction to a Grid direction, Subtract 0.47°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
FORMATION TOP DETAILS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
TVDate:	MODate:	Formation:	TDName:	TVLog:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS:	VS

4350																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Blondo Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 478-3460 Fax: (505) 478-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
HOSBS OCD Submit one copy to appropriate District Office
JUL 07 2014
DIAMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION RECEIVED

API Number 30-025-41811	Pool Code 96434	Pool Name Red Hills; BONE SPRING, NORTH
Property Code 40461	Property Name GRAMMA RIDGE 14-24-34	Well Number 1H
GRID No 4323	Operator Name CHEVRON USA INC.	Elevation 3492'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	14	24-S	34-E		330	NORTH	2300	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	14	24-S	34-E		280	SOUTH	1980	EAST	LEA

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
-------------------------------	-----------------	--------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODEIC COORDINATES NAD 27 NME SURFACE LOCATION & FIRST TAKE POINT Y=446271.8 N X=776517.0 E LAT.=32.223755° N LONG.=103.439185° W	CORNER COORDINATES TABLE NAD 27 NME A - Y=446599.7 N, X=776173.9 E B - Y=446607.7 N, X=777493.9 E C - Y=441329.1 N, X=777537.1 E D - Y=441319.6 N, X=776216.8 E	GEODEIC COORDINATES NAD 27 NME LAST TAKE POINT 330' FSL & 1983.4' FEL Y=441654.3 N X=776871.8 E LAT.=32.211055° N LONG.=103.438142° W	GEODEIC COORDINATES NAD 27 NME BOTTOM HOLE LOCATION Y=441604.3 N X=776875.6 E LAT.=32.210918° N LONG.=103.438131° W		OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Cindy Herrera-Murillo</i> 7-7-14 Signature Date <i>Cindy Herrera-Murillo</i> Printed Name <i>CherreraMurillo@chevron.com</i> Email Address 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 belief. APRIL 18, 2013 Date of Survey Signature of Professional Surveyor: <i>Ronald J. Eidson</i> Professional Surveyor NEW MEXICO 3239 Ronald J. Eidson 12641 Professional Surveyor 3239 ACK REGISTRATION 12641 JWSC W.O. 14.13.0876
---	--	--	--	--	--

JUL 08 2014

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 391-0120

DISTRICT II
817 S. Fort St., Amarillo, NM 89110
Phone: (505) 746-1283 Fax: (505) 746-4735

DISTRICT III
1000 New Orleans Blvd., Albuquerque, NM 87102
Phone: (505) 234-6772 Fax: (505) 234-6870

DISTRICT IV
1225 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3469 Fax: (505) 476-3442

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised 11/08/03
Submit one copy to appropriate District Office.
MAR 14 2014
CLAIMS UNIT REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-41731	Pool Code 916434	Pool Name Red Hills, Bone Spring North
Property Code 40461	Property Name GRAMMA RIDGE 14-24-34	Well Number 2H
COORD No. 4323	Operator Name CHEVRON USA INC.	Elevation 3508'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	14	24-S	34-E		330	NORTH	340	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	14	24-S	34-E		330	SOUTH	340	WEST	LEA

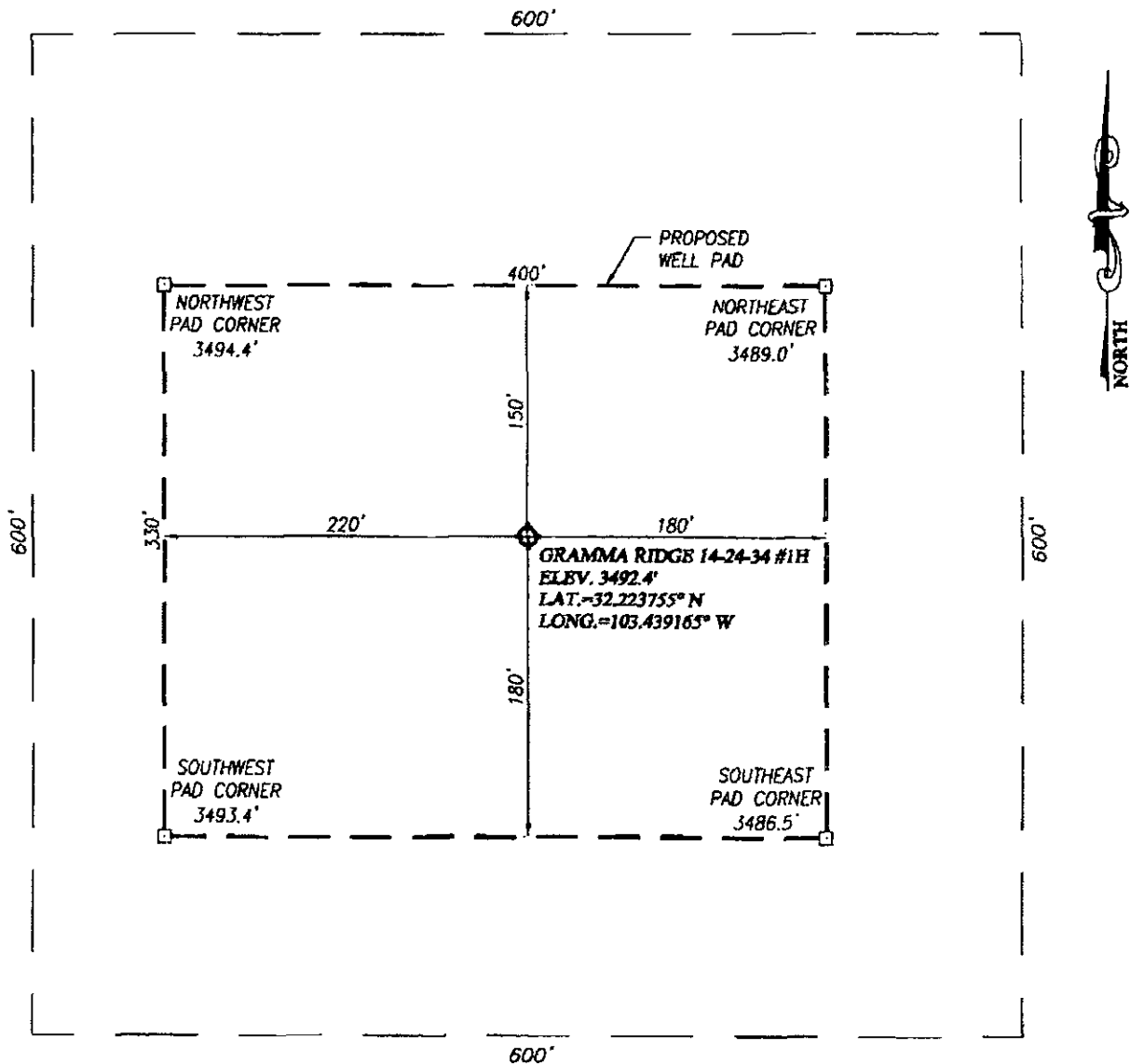
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
-------------------------------	-----------------	--------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GRID AZ = 179°29'42" GRID XZ = 4611.3 GRID YZ = 2400	CORNER COORDINATES TABLE A - Y=446569.3 N, X=773328.0 E B - Y=446584.5 N, X=774850.9 E C - Y=441310.2 N, X=774895.5 E D - Y=441300.7 N, X=773574.2 E		OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well in this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order transaction entered by the Division. <i>[Signature]</i> 03/13/14 Date DANISE PINKERTON Printed Name leakeid@chevron.com E-mail Address	
	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=446243.2 N X=773870.9 E LAT.=32.223737° N LONG.=103.447772° W BOTTOM HOLE LOCATION Y=441633.0 N X=773911.2 E			SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was placed there 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 belief. APRIL 18, 20013 Date of Survey Signature of the Professional Surveyor: <i>[Signature]</i> Professional Surveyor NEW MEXICO 3230 12641 1239 JWSC W.G. 11.11 0362

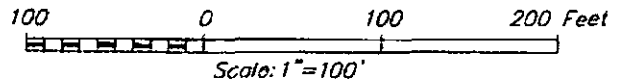
MAR 29 2014

SECTION 14, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY **NEW MEXICO**



DIRECTIONS TO GRAMMA RIDGE 14-24-34 #2H:

FROM THE INTERSECTION OF STATE HIGHWAY 18 AND STATE HIGHWAY 128, GO WEST APPROX. 16.5 MILES; TURN RIGHT AND GO NORTH APPROX. 0.8 MILES; TURN RIGHT AND GO EAST APPROX. 0.3 MILES. LOCATION IS APPROX. 1.0 MILES TO THE EAST.



CHEVRON USA INC.

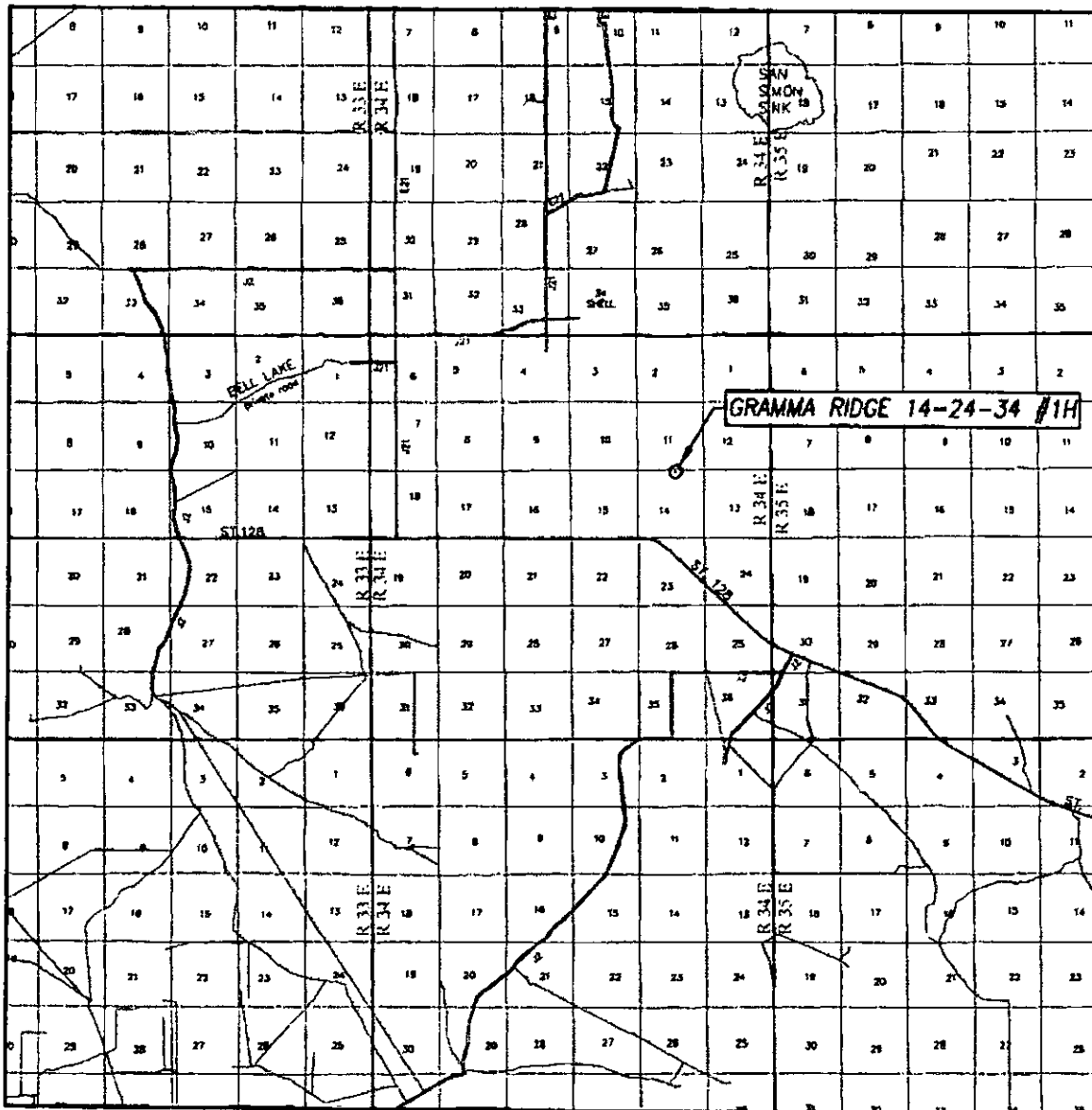
GRAMMA RIDGE 14-24-34 #1H WELL
LOCATED 330 FEET FROM THE NORTH LINE
AND 2300 FEET FROM THE EAST LINE OF SECTION 14,
TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

PROVIDING SURVEYING SERVICES
 SINCE 1948
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (575) 393-3117 www.jwsc.biz

Survey Date: 4/18/13	CAD Date: 5/7/13	Drawn By: BKL
W.O. No.: 13110363	Rev.:	Rel. W.O.:

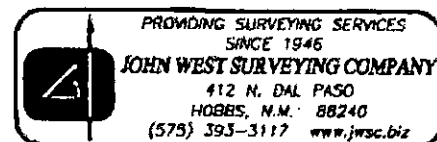
Sheet 1 of 1

VICINITY MAP

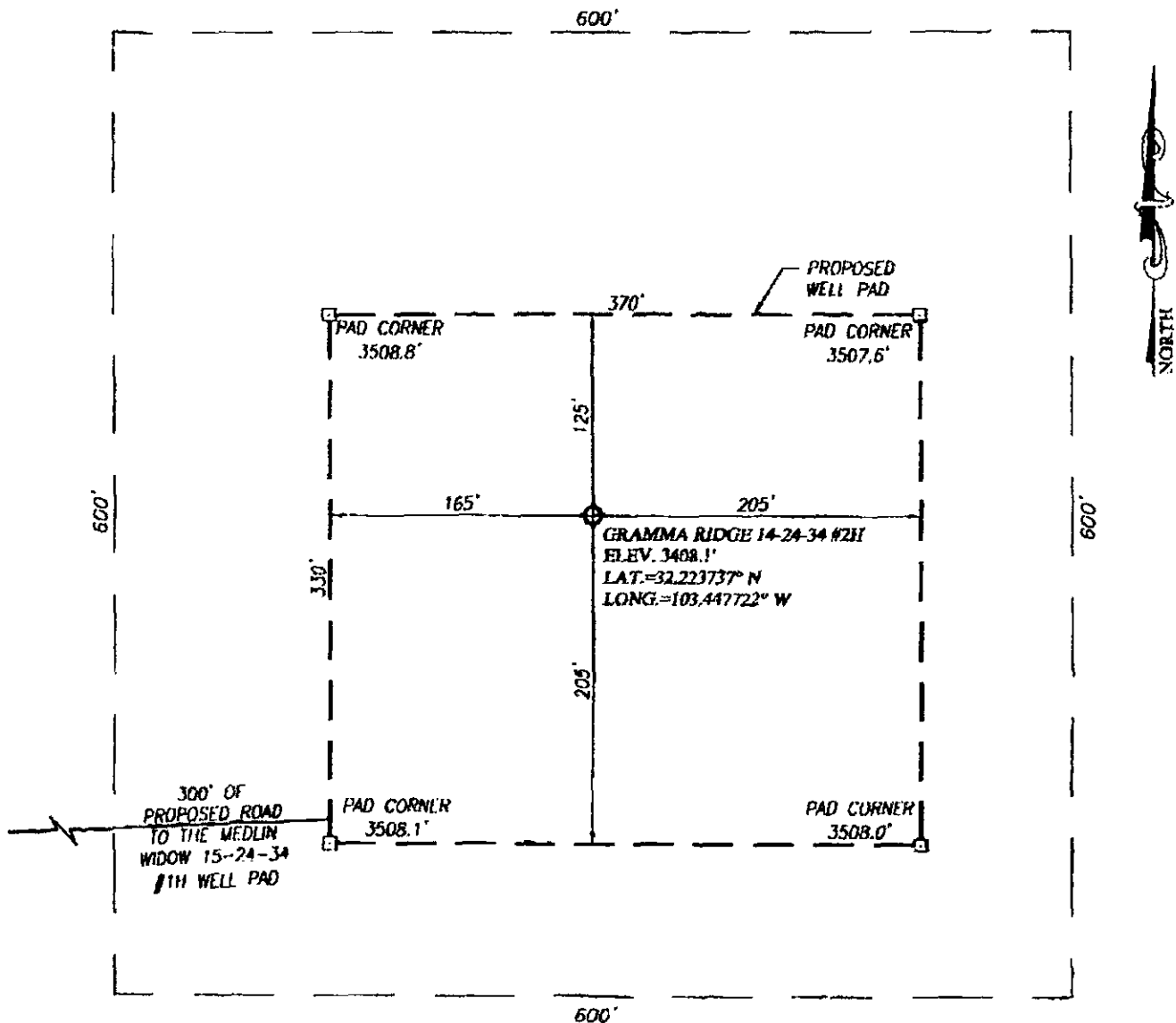


SCALE: 1" = 2 MILES

SEC. 14 TWP. 24-S RGE. 34-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 330' FNL & 2300' FEL
 ELEVATION 3492'
 OPERATOR CHEVRON USA INC.
 LEASE GRAMMA RIDGE 14-24-34

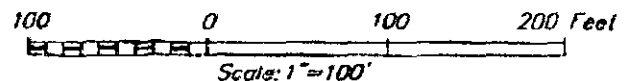


SECTION 14, TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY NEW MEXICO



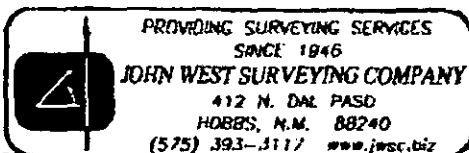
DIRECTIONS TO GRAMMA RIDGE 14-24-34 #2H:

FROM THE INTERSECTION OF STATE HIGHWAY 18 AND STATE HIGHWAY 128, GO WEST ON STATE HIGHWAY 128 APPROX. 16.5 MILES; TURN RIGHT ON LEASE ROAD AND GO NORTH APPROX. 0.8 MILES; TURN RIGHT AND GO EAST APPROX. 0.3 MILES TO A STAKED ROAD SURVEY; FOLLOW STAKES EAST APPROX. 0.55 MILES TO THE PROPOSED MEDIAN WIDOW 15-24-34 #1H WELL PAD. FROM THE SOUTHEAST CORNER OF THE PROPOSED PAD, FOLLOW STAKED ROAD SURVEY EAST APPROX. 300 FEET TO THIS LOCATION.



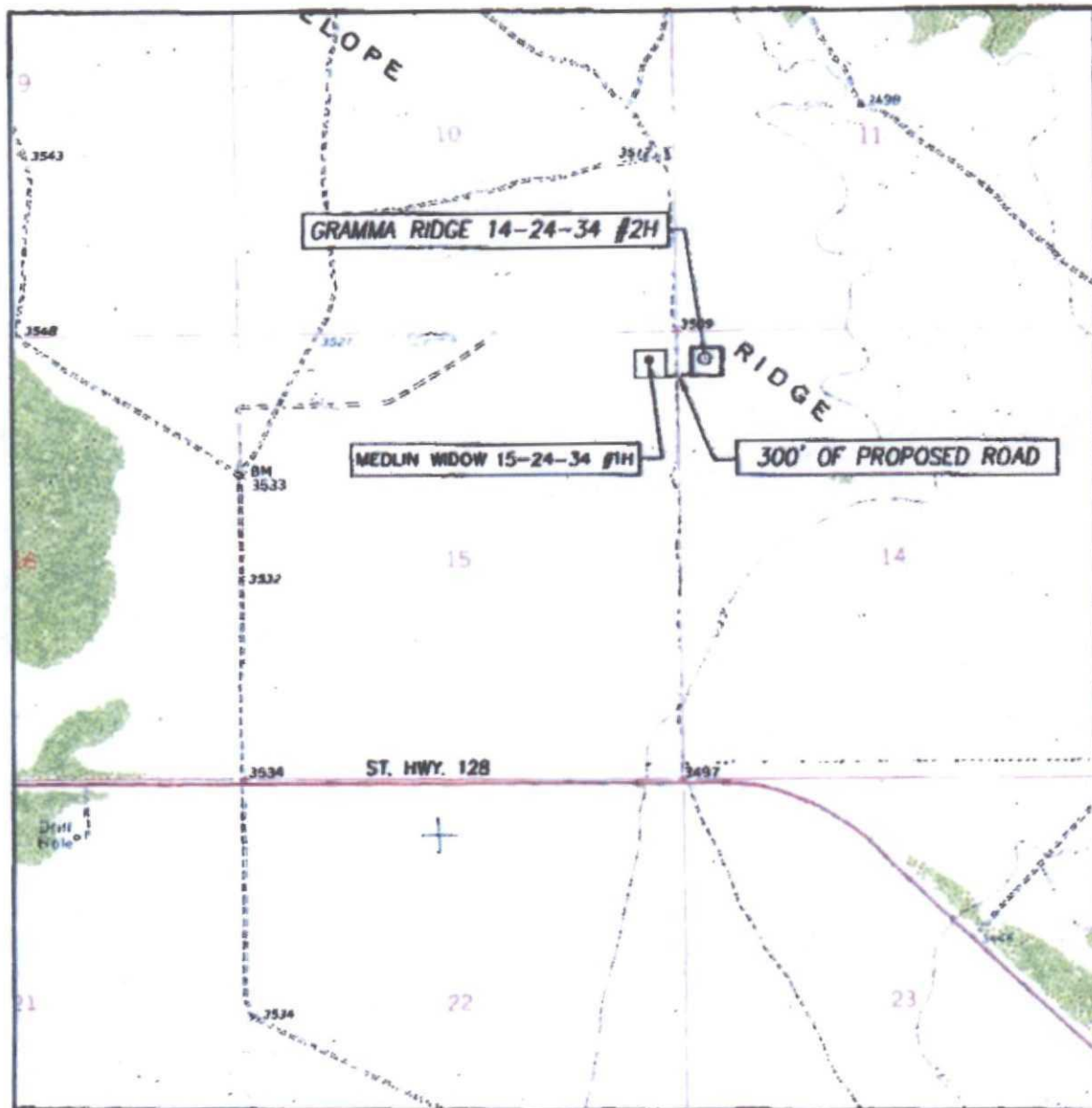
CHEVRON USA INC.

GRAMMA RIDGE 14-24-34 #2H WELL
LOCATED 330 FEET FROM THE NORTH LINE
AND 340 FEET FROM THE WEST LINE OF SECTION 14,
TOWNSHIP 24 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



Survey Date: 7/23/13	CAD Date: 7/24/13	Drawn By: BKL/DS
W.O. No.: 13110851	Rev.:	Rel. W.O.: 13110362

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
WOODLEY FLAT, N.M. - 10'

SEC. 14 TWP. 24-S RGE. 34-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

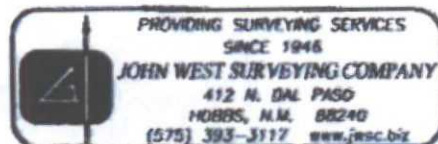
DESCRIPTION 330' FNL & 340' FWL

ELEVATION 3508'

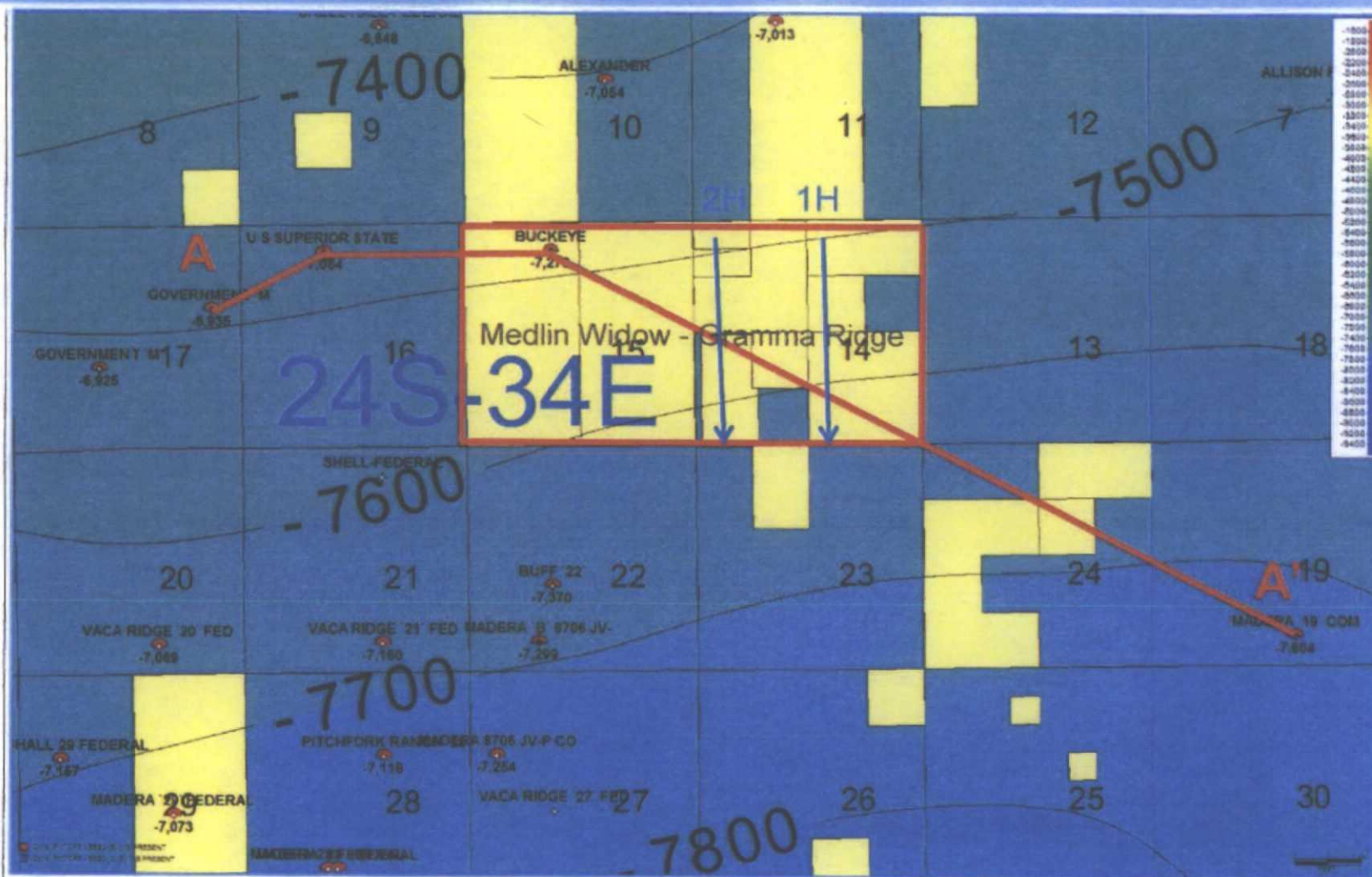
OPERATOR CHEVRON USA INC.

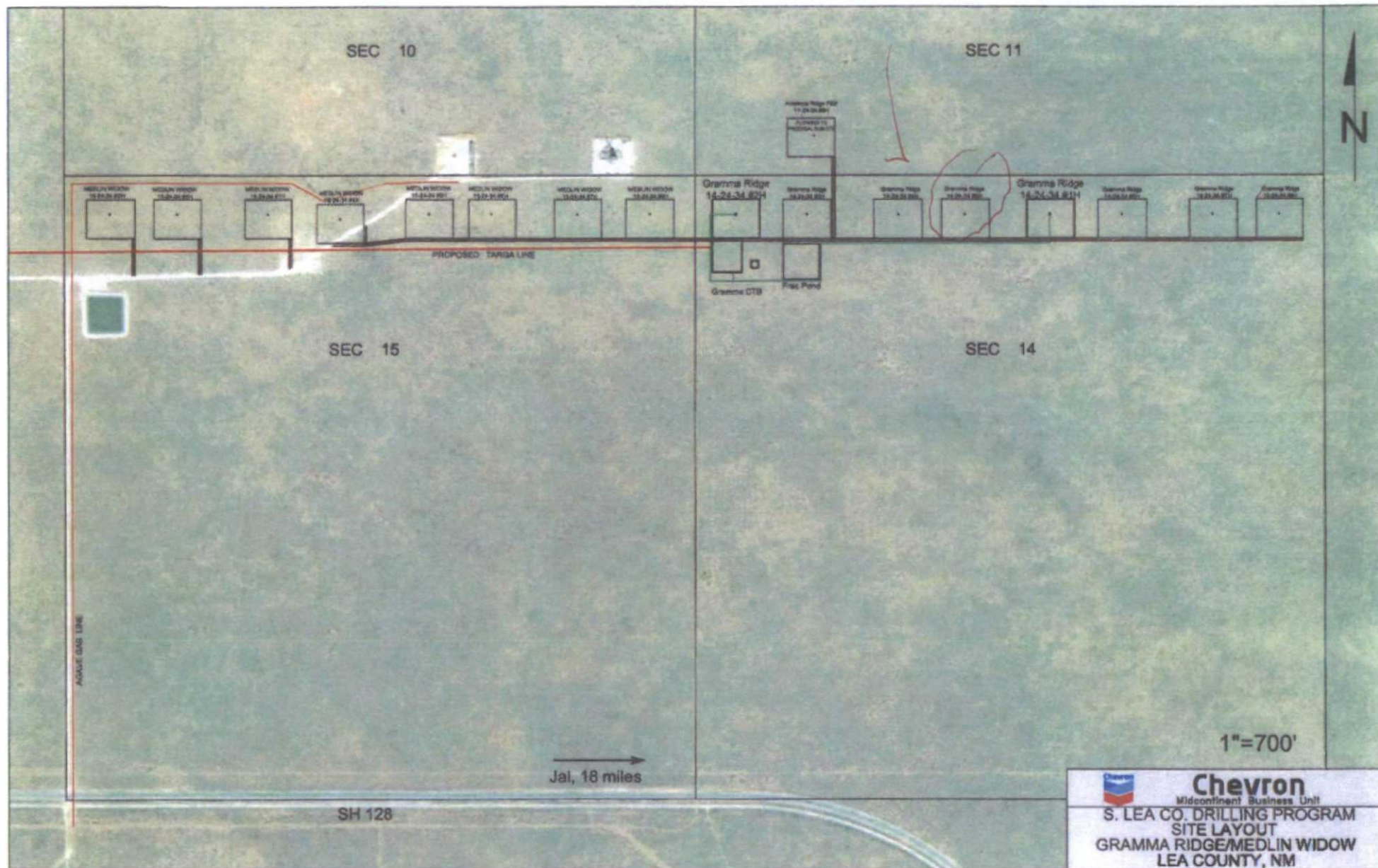
LEASE GRAMMA RIDGE 14-24-34

U.S.G.S. TOPOGRAPHIC MAP
WOODLEY FLAT, N.M.



Second Bone Spring Sand Structure (TVDSS)





List of Owners to be Commingled

W/2W/2

Gamma Ridge 2H

Owner

Type of Owner

Karen D. Whitt and husband, Phillip N. Whitt	500 W. Broom Drive, Hobbs, New Mexico 88004	Royalty
JOHN NAGY		Royalty
Betty Joyce Irvin Perryman Jones	2009 Nowlin Road #58, Coleman, Texas 76834	Royalty
Burlington Resources Oil & Gas Company Conoco-Phillips Adtkins, Land Manager	P.O. Box 51810, Midland, Texas 79702 P.O. Box 4428, Houston, TX 77210	WI
Powhatan Carter, III	1382 Caprock Road, Ft. Sumner, NM 88119-9008	Royalty
Rodney Carter	18334 Nicklaus Way, Eden Prairie, MN 55347-3437	Royalty
Charles and Beverly Overton Revocable Trust UTA dated December 15, 1993	P.O. Box 32, Yeso, NM 88136	Royalty
Anderson Carter II, individually and as Trustee under the Amended and Restated Trust	P.O. Box 7190, Ruidoso, NM 88355	Royalty
Norman C. Case, dealing in his sole and separate property	26828 Maple Valley Hwy #259, Maple Valley, WA 98038	Royalty
New Mexico Dept. of Transportation	PO Box 1149, Santa Fe, NM 87504	Royalty
Western Commerce Bank, A New Mexico Corporation, Trustee of the W. T. Reed Trust	P.O. Box 1627, Lovington, NM 88260-1627	Royalty
James Reed McCrory	P.O. Box 25764, Albuquerque, NM 87125-0764	Royalty
Energex, LLC	4425 98th St. Ste 200, Lubbock, TX 79424	WI
Crump Energy Partners, LLC	P.O. Box 50820, Midland, Texas 79710	WI
Crown Oil Partners IV, LP	P.O. Box 50820, Midland, Texas 79710	WI
Justin Nine and wife, Sara Nine	4414 10th Street, Lubbock, TX 79416	WI
White Gold Corporation	P.O. Box 730, Roswell, NM 88202	WI
Timothy D. Lilley	4425 98th Street, Suit 200 Lubbock, TX 79424	ORRI
Lisa M. Lilley	4425 98th Street, Suit 200 Lubbock, TX 79424	ORRI

W/2E/2

Gamma Ridge 1H

Owner

Type of Owner

Kenneth N. Headley Trust	P.O. Box 1359, Tijeras, NM 87059	Royalty
Davis A. Coppedge	P.O. Box 2071, 5111 N. Travis St., Knollwood, TX 75092-	Royalty

Tate Byrne Jennings	3535 32nd Street, Boulder, CO 80304	Royalty
New Mexico Western Mineral, Inc.	P.O. Box 1973, Las Cruces, NM 88004	Royalty
William E. Walker, Individually and as Trustee of the William E. Walker Trust	P.O. Box 113, 1654 N. Pennsylvania Ave, Wichita, KS 67214-1623	Royalty
Maura Smyrl Jennings	1810 S. Breton Pl. , Tucson, AZ 85748-7622	Royalty
James L. Falgout, in his capacity as the Trustee of the Michael Herd Moore Irrevocable Trust	2929 N. Central Expressway, Ste. 235, Richardson, TX 75080	Energex, L.L.C., Volume 1704, Page 767, Lea County Records, Lea County, New Mexico. Term: 3 years
H-D Mineral Properties	P.O. Box 3061, Midland, TX 79701	Royalty
Percy Lee Lawrence , III Heir of Percy L. Lawrence, II	P.O. Box 1, Crowley, LA 70527; 219 E 2nd St., Crowley, LA 70527	Royalty
David W. Lawrence Heir of Percy L. Lawrence, II	P.O. Box 15817, Wqn El3to, CQ 92175	Royalty
Anne Elizabeth Lawrence Heir of Percy L. Lawrence, II		Royalty
Elaine Walker	4341 Clayton Road West, Fort Worth, TX 76116; 5026	Royalty
Janice Cooke Miller, Trustee of the Restatement of the Charles M. Miller and Janice Cook Miller Family Trust	3412 E. Oregon, Phoenix, AZ 85018	Royalty
Sandi Miller	1015 Fern Dr. , Roswell, NM 88203	Royalty
Ann D. Allison	P.O. Box 64035, Lubbock, TX 79464	Royalty
Mary J. McWhorter, Trustee of the Mary J. McWhorter	2033 East Second St., Tucson, AZ 85719	Royalty
David H. Arrington david@arringtonoil.com	500 W Wall, P.O. Box 2071, Midland, TX 79702	Possible Royalty or WI
Brent McWhorter and Ruth A. McWhorter, Trustees for the McWhorter Living Trust	6140 E. Voltaire, Scottsdale, AZ 85254	Royalty
James T. Coppedge	P.O. Box 2071, Richardson, TX 75081	Royalty
Evelyn Elaine Horner	2604 North Halderman Road, Artesia, NM 88210	Royalty
S.P. Johnson, III and Barbara Jo Johnson, Co-trustees of the S.P. Johnson, III and Barbara Jo Johnson Trust,	P.O. Box 1641, Roswell, NM 88202	Royalty
Willie Ruth Tatum	3415 56th Street, Lubbock, TX 79413	Royalty
L.M. Robinson, LLC	P.O. Box 1090, Roswell, NM 88202	Royalty
Carlton J. Carmichael , Jr.	9510 Signal Avenue NE, Albuquerque, NM 87122	Royalty
CRJ Resources, LLC	P.O. Box 1090, Roswell, NM 88202	Royalty
Ila Nettesheim	1501 W. Mann Avenue, Artesia, NM 88210	Royalty
Herring's Carter Minerals, LLC	P.O. Box 2036, Roswell, NM 88202	Royalty
WEIGL FAMILY TRUST		Royalty

PJC, Limited Partnership	P.O. Box 1713, Roswell, NM 88202	Royalty
Carter Legacy, LLC	5331 85th St., Lubbock, TX 79424	WI
Debra D. Dye	P.O. Box 834, La Porte, TX 77572	WI
David Fred Carr	6401 Mount Ada Road, #143, San Diego, CA 92111	Royalty
Francis Carolyn Crider	1950 NW 185th #447, Hillsboro, OR 97006	Royalty
Janice Goldberg	1665 E. 26th Ave., Eugene, OR 97403	Royalty
Robert Crider aka Dan Crider	15944 Fir Grove Ct., Lake Oswego, OR 97035	Royalty
Burlington Resources Oil & Gas Company	P.O. Box 51810, Midland, Texas 79702	WI
Conoco-Phillips Tom Adtkins, Land Manager	P.O. Box 4428, Houston, TX 77210	
William S. Nichols	309 Montclair N.E., Albuquerque, NM 87108	Royalty
Purvis Oil Corporation	P.O. Box 11006, Midland, TX 79702	Royalty
Flo Scott Brown	1907 US Hsy 70, Muleshoe, TX 79347	Royalty
New Add: C/O William Scott Brown		
George B. Dotson	Route 2, Box 1217, Freeport, TX 77541	Royalty
Estate of Lawrence Gordon Dotson, dec.	P.O. Box 556, Sierra Blanca, TX 79851	WI
Rodney D. Dickens	1315 Spring Water, Canyon Lake, TX 78133	Royalty
Mary Francis Bell	719 South 19th St, Temple, TX 76504	Royalty
Melissa E. Smith	P.O. Box 40, Carrizo Springs, TX 78834	Royalty
Charee Joe Dotson	Box 510, Aurla, AZ 85320	WI
Charlee Jessica Dotson	Box 662, Summerset, TX 78060	WI
Jason Campbell	29 Edgewood Dr., Damascus, Arkansas 72038	Royalty
Roy Dean Campbell	151 Surf Way, Apt 13, Monterey, CA 93940	Royalty
Charles Phillips	243 Atlantic, Angleton, TX 77515	Royalty
Odus Phillips	1762 FM 314, Ben Wheeler, TX 75754	Royalty
Mary Ann Gathings	27 Leona Heights, Uvalde, TX 78801	Royalty
Harry H. Jung and wife, Virginia Jung	6218 Lynnhaven Dr., Lubbock, TX 79413	Royalty
Carl A. Schellinger	P.O. Box 447, Roswell, NM 88202	Royalty
Babe Development, LLC	P.O. Box 758, Roswell NM 88202	WI
Elova Moad Miller	603 W. 9th Street, Cisco, TX 76437	Royalty
Nova Jean Marley	211 S. Farmer, Crosbyton, TX 79322	Royalty
Shawn Freck	22621 South 212 th, Queen Creek, AZ 85142, 18722 E	Royalty
Robert Freck	6020 Manila, El Paso, TX 79924	Royalty
Michael Freck	Route 1, Box 261, Burkeville, TX 75932, P.O. Box 5121,	Royalty

Jamie Ann Medlin Billington , Dec Jerry Dwayne Billington, widower	3406 Nebraska, Amarillo, TX 79109	Royalty
George M. Davis, a widower	209 Melody Ln., Gainesville, TX 76240	Royalty
Gary G. Davis	404 Circle View Dr. South, Hurst, TX 76054-3525	Royalty
Lee & Judy Davis Revocable Trust, Leland & Judith E. Davis, Trustees	1625 9th Ave SE, St Cloud, MN 56304	Royalty
Norma Loving	2009 Crockett Ct., Irving, TX 75038-6227	Royalty
Karen Freck Rognerud	P.O. Box 4045, Berghelm, TX 78004; 7631 Presidio	Royalty
Barbara Medlin	4819 E. Libby Ln., Scottsdale, AZ 85254-7519	Royalty
Michael Hall Medlin	223 Hwy 474, Boerne, TX 78006	Royalty
James M. Davis, single	924 E. Bryan St., P.O. Box 63, Kermit, TX 79745-0063	Royalty
Robert E. Landreth	1600 Country Club Dr., Midland, TX 79701	Possible Royalty or WI
Jeanene Hall	P.O. Box 888, Socorro, NM 87801-4484	Royalty
William K. Hollis	1610 Heritage Ln., Mission, TX 78572	Royalty