

# Schlumberger

## Reservoir Development

Drilling & Measurements (Extreme Engineering)  
6724 Corporation Pkwy Suite 100  
Fort Worth, TX 76126  
Phone: (817) 717-1820  
Fax: (817) 546-7551

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February 6, 2014

Occidental Permian Ltd  
5 Greenway Plaza Suite 110  
Houston, Texas 77046

Attention: Kacie Cruz

Re:

CLIENT: Oxy  
WELL: Yeso Viking Federal 7  
FIELD: Glorieta Yeso  
RIG: Savanna 415  
COUNTY: Eddy  
API NO: 30-015-41425  
JOB NO: NM-CIM-0089

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation (P-5 No. 754900). Other information required by your office is as follows.

<u>Name &amp; Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Landis Taylor FST2	Yeso Viking Federal 7 Original Hole	424.00 Ft to 4447.00 Ft	December 26, 2013 to January 2, 2014	SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or until line in case of pooling), is attached to the survey report.

If any other information is required, please contact the undersigned at the above letterhead and phone number.  
Sincerely,

Chris Rust  
Operations Support Manager

CC: Oxy  
Enclosures: [2]  
County of Eddy  
State of New Mexico

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## Reservoir Development

Drilling & Measurements (Extreme Engineering)

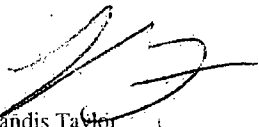
6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

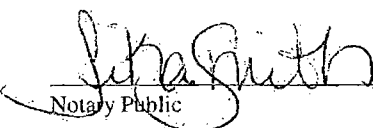
Fax: (817) 546-7551

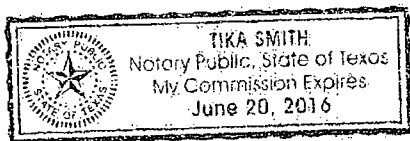
I, Landis Taylor certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of December 26, 2013 through January 02, 2014, conduct or supervise the taking of the SlimPulse surveys from a depth of 424.00 feet to a depth of 4447.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Oxy for the Yeso Viking Federal 7 Well (Original Hole) API No. 30-015-41425 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

  
Landis Taylor  
FST2

Before me, Tika Smith, on this day personally appeared Landis Taylor known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 6th day of Feb, (year) 2014

  
Notary Public



# Occidental Oil & Gas Corp – Permian Primary – North NM/Terrell RMT

**Well: Yeso Viking Federal #7**

**API: 30-015-41425**

State: New Mexico

County: Eddy

T17S R27E, Sec 23

380' FSL & 2240' FWL

Field: Yeso

TD: 4,520'

PBTD: 4,478'

KB: 3,586' ASL

Casing Size:

Grade/Weight:

Depth:

Cement:

8-5/8"

J-55 STC / 24#

410'

210 sx, 58 sx circ'd to surf

5-1/2"

L-80 BTC / 17#

4,520'

760 sx, 231 sx circ'd to surf

Surf Csg: 8-5/8" 24# J-55 STC  
Cement: 210 sx, 58 sx circ'd to surf

Surf Csg @ 410'

KB: 3,586' ASL

## Proposed Perforation Intervals

5b)	3182 - 3188.13
5a)	3212 - 3220.13
4b)	3304 - 3310.13
4a)	3350 - 3358.13
3b)	3462 - 3468.13
3a)	3732 - 3740.13
2b)	3983 - 3989.13
2a)	4061 - 4069.13
1b)	4236 - 4242.13
1a)	4382 - 4390.13

Prod Csg: 5-1/2" 17# L-80 BTC  
Cement: 760 sx, 231 sx circ'd to surf

PBTD @ 4,478'

Prod Csg @ 4,520'

TD @ 4,525'

