

Oilfield Services, Central U.S. Land  
**Schlumberger Drilling and Measurements**  
Drilling Group  
Geo Market Area: South West Texas Basin  
7220 W I-H 20  
Midland, Texas 79706  
Phone : (432) 742-5400 (Main)  
Fax : (432) 742-5606 (Shared)

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# Schlumberger

November 24, 2016

OXY USA INC.  
5 Greenway Plaza, Suite 110  
Houston, TX 77046-052

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 29 2016

RECEIVED

Re:

03, T24S, R29E, Eddy NM  
N 32.25338 W 103.96718

CLIENT: OXY USA INC.  
WELL: CYPRESS 34 FEDERAL 12H  
FIELD: CYPRESS

RIG: H&P 617  
COUNTY: Eddy  
API NO: 30-015-43849  
JOB NO: 16MLD1391

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, 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>
Tamer Ahmed FE	CYPRESS 34 FEDERAL 12H Original Hole	404.00 Ft to 15055.00 Ft	November 15, 2016 to November 24, 2016	TelePacer SlimPulse

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

Dana Carlos  
Field Service Manager

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**Well Reference:**

03, T24S, R29E, Eddy NM  
N 32.25338 W 103.96718

I, Tamer Ahmed certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of November 15, 2016 through November 24, 2016, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 404.00 feet to a depth of 15055.00 feet referenced to driller's depth; 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 USA INC. for the CYPRESS 34 FEDERAL 12H Well (Original Hole) API No. 30-015-43849 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.

By  
Tamer Ahmed  
FE

*Tamer Ahmed* *Tamer Ahmed*

Subscribed and Sworn to before me this 26<sup>th</sup> day of November (month) 2016 (yr)

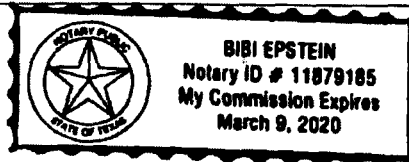
My Commission expires:

03-09-2020

*[Signature]*  
\_\_\_\_\_  
Notary Public

(signature)

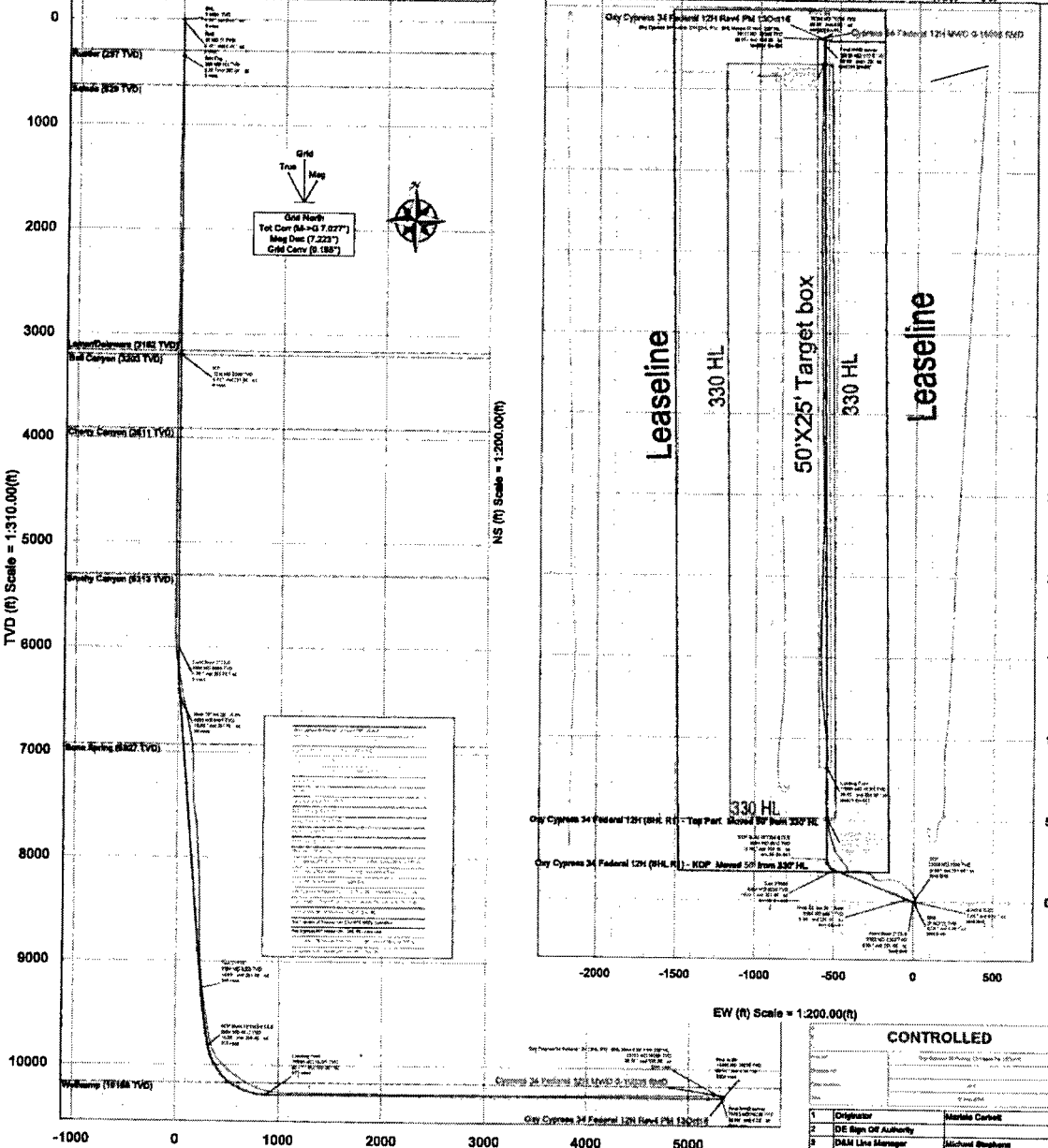
Montgomery / Texas  
(County State)



Borehole: **Cypress 34 Fed 12H - Original** Well: **Oxy Cypress 34 Federal 12H - SHL** Field: **NM Eddy County (NAD 27)** Borehole: **Oxy Cypress 34 Federal 12H - SHL**  
 Borehole: **Barabola** Well: **R1**

Borehole: <b>Cypress 34 Fed 12H - Original</b> Well: <b>Barabola</b>	Well: <b>Oxy Cypress 34 Federal 12H - SHL</b> Well: <b>R1</b>	Field: <b>NM Eddy County (NAD 27)</b>	Borehole: <b>Oxy Cypress 34 Federal 12H - SHL</b> Well: <b>R1</b>
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Borehole: <b>Cypress 34 Fed 12H - Original</b> Well: <b>Barabola</b>	Well: <b>Oxy Cypress 34 Federal 12H - SHL</b> Well: <b>R1</b>	Field: <b>NM Eddy County (NAD 27)</b>	Borehole: <b>Oxy Cypress 34 Federal 12H - SHL</b> Well: <b>R1</b>
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Vertical Section (ft) Azim = 353.6° Scale = 1:310.00(ft) Origin = 0N/-S, 0E/-W



