

ATLANTIC RICHFIELD COMPANY
Box 1978
Roswell, New Mexico

*Copy to
J.*

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JUN 20 1968

O. C. C.
ARTESIA, OFFICE

Deviation chart on your Cawley Unit #1, Eddy County, New Mexico.

Unit F-16-225-22E

1800/N 1920/W

DEPTH	DEVIATION	DEPTH	DEVIATION
125	3/4	4,290	1-1/2
190	3/4	4,995	1
418	1-1/2	5,440	2
530	2-1/2	5,630	2-1/4
600	2	5,750	2
695	1-3/4	5,850	2-3/4
818	1-1/2	5,950	2-3/4
1,230	3/4	6,055	3-1/4
1,800	1	6,110	2-3/4
2,280	1-1/2	6,200	3-1/4
2,585	1-3/4	6,292	2-1/4
2,709	2-1/4	6,400	2-1/4
2,870	2	6,485	1-1/4
2,910	1-3/4	6,810	1-1/4
3,185	1-3/4	7,150	1-1/4
3,480	1-3/4	7,280	1-1/4
3,970	2	7,490	1
4,188	2	7,600	1

I hereby certify that I have personal knowledge of the data on the above deviation chart on your Cawley Unit #1, Eddy County, New Mexico, and that such information given above is true and complete to the best of my knowledge and belief.

WARTON DRILLING COMPANY

J. L. Warton
J. L. WARTON - PRESIDENT

STATE OF TEXAS
COUNTY OF ECTOR

Sworn and subscribed to before me this 11th day of June, 1968.

Marilyn Weatherlin
MARILYN WEATHERLIN, Notary Public
in and for Ector County, Texas

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O. C. C.
ARTEZIA, OFFICE

Cawley Unit #1
1800' FNL, 1980' FWL
Section 16, T-22S, R-22E
Eddy County, New Mexico

DST #1 (Wolfcamp) 4870-5000'. 5/8" BC, 12/64" TC, no WC.
Took 5 min preflow w/weak air blow. Took 75 min ISI. Tool open 75 min
w/weak air blow decreasing to very weak air blow. Took 75 min FSI.
Recovered 470' of WCDM, 3460' of sulfur water,

IHP = 2211#
ISIP = 1844#
IFP = 648#

FFP = 1844#
FSIP = 1844#
FHP = 2211#

BHT 112° F.

DST #2 (Wolfcamp) 6450-6487. 3/4" BC, 1/4" TC, no WC. Took 5 min
preflow. GTS in 4 min. Took 75 min ISI. Tool open 2-1/2 hrs. Flow
rate & pressure during initial 60 min was increasing to a maximum
flow of 825 MCFD @ FTP of 600#. In remaining 90 min of flow, flow
rate gradually decreased to 700 MCFD @ FTP of 515#. No fluid to
surface. Took 75 min FSI. Recovered 30' of condensate (51.4° API
gravity) & 90' of condensate cut drlg mud.

IHP = 3276#
ISIP = 3234#
IFP = 180#

FFP = 562#
FSIP = 3023#

DST #3 (Cisco) 7224-7305, 5/8" BC, 1/2" TC, no WC. Took 5 min
preflow w/weak air blow throughout. Took 60 min ISI. Tool open 60
min w/weak air blow throughout. Took 60 min FSI. Recovered 30' of
drlg mud, NS.

IHP = 3549#
ISIP = 1155#
IFP = 37#

FFP = 37#
FSIP = 1185#
FHP = 3549#

DST #4 (Cisco) 7320-7500, 7/8" BC, 1/8" TC, no WC. Took 5 min preflow
w/weak air blow throughout. Took 75 min ISI. Tool open 75 min w/weak
air blow which died at end of period. Took 75 min FSI. Recovered
190' drlg mud, NS.

IHP = 3618#
ISIP = 2771#
IFP = 128#

FFP = 179#
FSIP = 2758#
FHP = 3618#

DST #5 (Cisco) 7518-7610, 5/8" BC, 1/2" TC, no WC. Took 5 min preflow
w/fair air blow throughout. Took 75 min ISI. Tool open 2 hrs w/fair
air blow throughout. Took 75 min FSI. Recovered 1700' of sulfur
water cut drlg mud & 3250' of sulfur water.

IHP = 3601#
ISIP = 2788#
IFP = 266#

FFP = 2186#
FSIP = 2788#
FHP = 3601#

BHT @ 150° F.