

PROCESSED BY THE NEW MEXICO OIL CONSERVATION COMMISSION
CONFIDENTIAL

1-105
Revised 1-1-65

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NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

1a. TYPE OF WELL	
OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER ☐	
b. TYPE OF COMPLETION	
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐	
2. Name of Operator	
Shell Oil Company (Rocky Mountain Division Production)	
3. Address of Operator	
1700 Broadway, Denver, Colorado 80202	
4. Location of Well	

7. Unit Agreement Name
8. Farm or Lease Name
Laguna-Wilson Trust
9. Well No.
1
10. Field and Pool, or Wildcat
Cactus Area (WC)

UNIT LETTER _____ LOCATED 2080 FEET FROM THE north LINE AND 1780 FEET FROM

THE west LINE OF SEC. 8 TWP. 9N RGE. 1W NMMPM

12. County
Bernalillo

15. Date Spudded	16. Date T.D. Reached	17. Date Completed Ready to Produce	18. Elevations (DF, RKB, RT, GR, etc.)
9-21-72	12-8-72	P&A'd 12-25-72	5394 GL, 5415 KB

19. Elev. Casinghead

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,115	--		→	Total	

25. Was Directional Survey Made
No

24. Producing Interval(s), of this completion - Top, Bottom, Name

27. Was Well Cored
Yes

26. Type Electric and Other Logs Run

BHCS-GR w/cal, PML, CNL-FDC, DIL and Velocity Survey

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5#	442'	17 1/2"	500 sx	0
9 5/8"	40#	3987'	12 1/4"	1300 sx	0

29. LINER RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD		
SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
WELL PLUGGED & ABANDONED							
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
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35. List of Attachments

Well Log and History, Casing and Cmtg Details

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED <u>K.R. Jordan</u>	TITLE <u>Division Operations Engr.</u>	DATE <u>March 16, 1973</u>
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

NEW WELL PLUGGED AND ABANDONED

CACTUS AREA

SHELL OIL COMPANY

LEASE LAGUNA-WILSON TRUST

WELL NO.

1

DIVISION ROCKY MOUNTAIN

ELEV

5415 KB

FROM: 9-18 - 12-27-72

COUNTY BERNALILLO

STATE

NEW MEXICO

JAN 16 1973

NEW MEXICOCACTUS AREA

Shell-Laguna-

Wilson Trust #1

(WC) Noble N-85

11,000' Pre-Cambrian Test

"FR" MIRT.

Located 2080' FNL and 1780' FWL (SE/4 NW/4) Section 8-T9N-R1W, Bernalillo County, New Mexico

Elev: 5394 GL

11,000' Pre-Cambrian Test

SEP 18 1972

Shell Working Interest: 100%

Drilling Contractor: Noble Drilling Co.

Shell-Laguna-

Wilson Trust #1

(WC) Noble N-85

11,000' Pre-Cambrian Test

RURT. SEP 19 1972

Shell-Laguna-

Wilson Trust #1

(WC) Noble N-85

11,000' Pre-Cambrian Test

RURT. SEP 20 1972

Shell-Laguna-

Wilson Trust #1

(WC) Noble N-85

11,000' Pre-Cambrian Test

RURT. Prep to spud today. SEP 21 1972

Shell-Laguna-

Wilson Trust #1

(WC) Noble

11,000' Pre-Cambrian Test

440/70/1/440 Tripping to run 13 3/8" casing.
 Spudded 10:20 AM 9-21-72. Waited two hrs for DC slip. TD 17 1/2" hole 5 AM 9-22. Circ 1 hr to run 13 3/8" csg. Dev: 0° at 85, 1/4° at 195 & 275.
 Mud: 9.1 x 65 SEP 22 1972

Shell-Laguna-

Wilson Trust #1

(WC) Noble N-85

11,000' Pre-Cambrian Test
13-3/8" csg @ 442'

9/23: 442/70/2/2. WOC and nipping up BOP's. Ran 2 jts (65') of 13-3/8" 54.50# K-55, 8rd ST&C csg - csg stopped. Pulled csg. Ran 17 1/2" bit and DC's to btm. Did not circ. Ran 11 jts 13-3/8 54.50# K-55 ST&C csg to 442' and cmtd w/500 sx Class "C" cmt w/2% CaCl₂. Plug down @ 6:45 PM, 9/22/72. Cmt circ (200 sx). Dev: 1/4° @ 435'.
 Mud: Wtr
 9/24: 442/70/3/0. Nipping up BOP's. WOC 12-3/4 hrs.
 Mud: Wtr
 9/25: 728/70/4/286. Drilling. Finished nipping up. Changed rams. Tested blind rams and BOP assembly and 13-3/8" csg to 500 psi, OK. Tested 5" pipe rams to 500 psi, OK. Started drlg plug @ 3 PM, 9/24. SEP 25 1972
 Mud: (gradient .457) 8.8 x 34 x 5.8

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
13-3/8" csg @ 442'

2020/70/5/1292. Drilling. Dev: $3/4^{\circ}$ @ 1109' and 1°
@ 1350' and 1666'. SEP 2 6 1972
Mud: (gradient .478) 9.2 x 29 x 7.2

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
13-3/8" csg @ 442'

2552/70/6/532. Tripping for new bit. Dev: $1\frac{1}{2}^{\circ}$ @
2155, 2351, 2451 and 2° @ 2545. SEP 2 7 1972
Mud: (gradient .463) 8.9 x 28 x 6.0

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
13-3/8" csg @ 442'

3252/70/7/700. Drilling. Dev: 2° @ 2651 and 2890 and
 $2\frac{1}{2}^{\circ}$ @ 3090. SEP 2 8 1972
Mud: (gradient .463) 8.9 x 27 x 8.4

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
13-3/8" csg @ 442'

3539/70/8/287. Tripping. Dev: $2\frac{1}{2}^{\circ}$ @ 3280 and $3\frac{1}{2}^{\circ}$
@ 3534. SEP 2 9 1972
Mud: (gradient .478) 9.2 x 40 x 7.8

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
13-3/8" csg @ 442'

9/30: 3594/70/9/55. Tripping. Dev: $3\frac{1}{2}^{\circ}$ @ 3590. OCT 2 1972
Mud: (gradient .488) 9.4 x 40 x 5.2
10/1: 3630/70/10/36. Tripping.
Mud: (gradient .488) 9.4 x 39 x 7.2
10/2: 3732/70/11/102. Coring. Dev: $3\frac{1}{2}^{\circ}$ @ 3675.
Mud: (gradient .485) 9.3 x 40 x 6.0
Core No. 1 3539-3569 Cut 30'. Rec 14.5'
Core No. 2 3569-3609 Cut and rec 15'.
Core No. 3 3609-3630 Cut and rec 21'.

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
13-3/8" csg @ 442'

3914/70/12/182. Drilling. OCT 3 1972
Mud: (gradient .483) 9.3 x 50 x 6.4
Core No. 4 3632-3739 Cut and rec 57'.

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
13-3/8" csg @ 442'

3989/70/13/26. Logging. Made SLC 3940 = 3989. Dev:
 $3\frac{1}{2}^{\circ}$ @ 3935'. Ran DIL, CNL/FDC and BHCS-GR w/cal from
442-3984 (Schl TD). Running Dipmeter while WO replacement
tool. Will run Sonic, Velocity and Sidewall core.
Mud: (gradient .483) 9.3 x 42 x 6.8 OCT 4 1972

Shell-Laguna- 3982/70/14/0. Tripping in w/DST #1. Ran Sonic,
Wilson Trust #1 Velocity and PML from 442-3982. Cond hole and picked
(WC) Noble N-85 up DST tools and started in hole. Will test 3600-3651.
11,000' Pre-Cambrian Test Made 7' SLC - 3989 = 3982.
13-3/8" csg @ 442' Mud: (gradient .485) 9.3 x 40 x 6.0 OCT 5 1972

Shell-Laguna- 3982/70/15/0 Sidewall coring w/Schl.
Wilson Trust #1 Ran DST #1 3600-3651 (Positive Test)
(WC) Noble N-85 IF 10 min, SI 60 min; open 90 min, SI 180 min.
11,000' Pre-Cambrian Test Recovery: 10 BSMCW and 48 bbls clear wtr
13-3/8" csg at 442' Pressures: IHP 1736.7, IF 221, FF 734, ISIP 1582.4,
2nd open 733.9, 2nd flow 1579.8, FSIP 1585.1,
FHP 1734.
BHT - 136°. Bw = .472 at 72°, 4500 CI
Tripped in to cond hole prior to sidewall coring.
Started coring at 1:15 AM.
Mud: (gradient .488) 9.4 x 40 x 6.0 OCT 6 1972

Shell-Laguna- 10/7: 3987/70/16/5. Circ; prep to run 9-5/8" csg.
Wilson Trust #1 Finished sidewall coring. RD Schl. Tripped in w/
(WC) Noble N-85 12-1/4" bit and reamed 8-3/4" hole from 3565 to 3982,
11,000' Pre-Cambrian Test drlg 5' of new hole.
9-5/8" csg @ 3987' Mud: (gradient .488) 9.4 x 40 x 6.6
10/8: 3987/70/17/0. WOC. Circ prior to running csg.
Tripped out and laid down 13 DC's. Ran 95 jts (4004')
9-5/8" 40# CF&I csg to 3987' and cmt'd in two stages as
follows: First stage - 600 sx Lite w/0.75% CFR-2,
tailed in w/200 sx Class "C" w/1% CFR-2. Plug down @
9:55 PM. Dropped bomb, opened DV collar and circ out
approx 10 sx cmt, circ w/rig pump until 1 AM. Started
2nd stage @ 2 AM w/500 sx Class "C" w/1% CFR-2. Closed
DV collar @ 2:45 AM. Cmt failed to circ but found cmt
within 10' of sfc. Rec'd 30 bbls wtr placed ahead of
cmt. Pmp'd 70 bbls slurry before losing circ. Shoe @
3987, float @ 3900, DV collar @ 1149, baskets @ 1156 and
936.
10/9: 3987/70/18/0. Nippling up BOP. OCT 9 1972

Shell-Laguna- 4035/70/19/48. Drilling. Finished nippling up BOP's.
Wilson Trust #1 Tested blind rams and csg to DV collar w/2000 psi, OK.
(WC) Noble N-85 Drld DV collar. Tested pipe rams and Hydril to 2000
11,000' Pre-Cambrian Test psi, OK. Drld cmt, float and shoe. OCT 10 1972
9-5/8" csg @ 3987' Mud: (gradient .442) 8.5 x 28 x 9.6

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

4320/70/20/285. Drilling. Dev: 3° @ 4250'. Tripped
for new bit @ 4040. Changed out DP from 5" to 4½".
Mud: 8.5 x 28 x 10.4 OCT 11 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

4580/70/21/260. Drilling. Dev: 2½° @ 4416'.
Mud: (gradient .447) 8.6 x 28 x 10
OCT 11 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

4730/70/22/150. Drilling. Dev: 3° @ 4574'.
Core No. 5 4590-4607 Cut 17'. Rec 13' OCT 13 1972
Core bbl jammed.
Mud: (gradient .452) 8.7 x 34 x 8.2

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

10/14: 5096/70/23/366. Drilling. Dev: 2½° @ 4815
and 5023.
Mud: (gradient .452) 8.7 x 36 x 7.4
10/15: 5483/70/24/387. Drilling. Dev: 3° @ 5330.
Mud: (gradient .458) 8.8 x 36 x 10.2
10/16: 5894/70/25/411. Drilling. Dev: 3° @ 5555
and 5790. OCT 16 1972
Mud: (gradient .462) 8.9 x 40 x 6.8

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

6270/70/26/376. Drilling. Dev: 3° @ 6214'. Short
tripped to clean pit.
Mud: (gradient .452) 8.7 x 37 x 8.0 OCT 17 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

6405/70/27/135. Drilling. Dev: 4° @ 6325'. Washed
2 jts to btm - 40' of fill. Circ 2½ hrs. OCT 18 1972
Mud: (gradient .458) 8.8 x 39 x 8.0

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

6578/70/28/173. Drilling. Dev: 4½° @ 6431 and 6565.
Mud: (gradient .452) 8.7 x 49 x 7.0 OCT 19 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

6680/70/29/102. Drilling. Dev: $4\frac{1}{4}^{\circ}$ @ 6655'. Washed
to btm - 138' of fill.
Mud: (gradient .496) 9.3+ x 42 x 6.8

OCT 20 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

10/21: 6740/70/30/60 Coring. Dev: 4° at 6710.
Mud: (gradient .463) 8.9 x 60 x 8.4

10/22: 6790/70/31/50 Tripping out w/core bbl.
Core No. 6 6730-6790 Cut and rec 60'

Mud: (gradient .473) 9.1 x 40 x 6.4

10/23: 6871/70/32/81 Drilling. Reamed and washed
50' to btm.

Mud: (gradient .478) 9.2 x 39 x 8.0

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

6982/70/33/111. Drilling. Dev: $3\frac{1}{2}^{\circ}$ @ 6965'.
Mud: (gradient .478) 9.2 x 38 x 7.6

OCT 24 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

7182/70/34/200. Drilling. Dev: $3-3/4^{\circ}$ @ 7110'.
Mud: (gradient .468) 9.0 x 37 x 6.8

OCT 25 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

7250/70/35/68. Drilling. Dev: $4\frac{1}{4}^{\circ}$ @ 7195'. Tripped
for new bit @ 7202. Magnafluxed DC's and DP, laying
down one 7" DC w/washed box and one stab w/washed pin.
Mud: (gradient .483) 9.3 x 34

OCT 26 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

7431/70/36/181. Drilling. Dev: 4° @ 7360'.
Mud: (gradient .483) 9 x 35 x 7.0

OCT 27 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

10/28: 7581/70/37/150. Drilling.

Mud: (gradient .478) 9.2 x 40 x 5.9

10/29: 7749/70/38/168. Drilling. Dev: $3\frac{1}{2}^{\circ}$ @ 7730'.
Mud: (gradient .478) 9.2 x 37 x 6.0

10/30: 7805/70/39/56. Drilling. Dev: $4\frac{1}{2}^{\circ}$ @ 7780.
Drlg break @ 7739-49 rate changed from 10 M/ft to 2-3
M/ft. Circ @ 7750 1 hr. Tripped for new bit @ 7785,
last 8-10 stds off btm pulled dry. Washed to btm.
Mud: (gradient .478) 9.2 x 37 x 7.0

OCT 28 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

7937/70/40/132. Drilling. Dev: 4-3/4° @ 7819, 4-1/2°
@ 7850 and 7905.
Mud: (gradient .480) 9.2+ x 37 x 8.8 OCT 2 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

8073/70/41/136. Drilling. Dev: 5 1/4° @ 8020.
Mud: (gradient .478) 9.2 x 39 x 7.2 NOV 1 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

8200/70/42/127. Drilling. Dev: 5-3/4° @ 8146.
Mud: (gradient .478) 9.2 x 44 x 6.0 NOV 2 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

8370/70/43/170. Drilling. Dev: 5-3/4° @ 8350'.
Mud: (gradient .478) 9.2 x 44 x 8.4 NOV 3 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

11/4: 8530/70/44/160 Drilling.
Mud: (.475) 9.1 x 43 x 6.2
11/5: 8681/70/45/151 Drilling. Dev: 5° at 8665.
Mud: (.483) 9.3 x 51 x 6.4
11/6: 8695/70/46/16 Circ and working stuck pipe at
7680. Started trip 9 AM 11-5; pipe started dragging
19 stds off bottom at 6744. Worked pipe through
tight hole to 5070. Finished out of hole. Changed
btm stab. Ran keyseat wiper at top of DC. Started
reaming and washing at 6872. Reamed and washed to
6930. Ran 10 stds DP pipe; stuck at 7680. Installed
kelly and started circ 6 AM 11-6-72. NOV 6 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

8697/70/47/2 Circ and cond mud to run freepoint.
24 hrs working stuck pipe. Spotted 100+ bbls oil.
18 bbls out through bit 1 PM 11-6. Worked stuck
pipe from 1 PM-4 AM. Started circ & cond 4 AM.
Mud: (.468) 9 x 59 x 40 (Oil 6%) NOV 7 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

8697/70/48/0 Laying down fishing tools.
Ran freepoint w/dialog; DC stuck at 7550.
Backed off DC at 7515 leaving two 30' DC's,
three stabilizers, and bit in hole. Pulled
out and ran bumper sub and oil jars. Screwed
into fish, hit junk once, and jarred fish loose.
Pulled out of hole rec'g fish. NOV 8 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

8763/70/49/66 Drilling. Washed and reamed from
8387-8697.
Mud: (.483) 9.4 x 50 x 5.2 (Oil 6%) NOV 8 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

8861/70/50/89 Drilling. Pipe stuck at 7634;
worked loose. Reamed out tight spot from 7600
to 7650. Dev: $7\frac{1}{2}^{\circ}$ at 8790.
Mud: (.483) 9.3 x 47 x 5.0 (Oil 5%) NOV 10 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

11/11: 8991/70/51/130 Drilling.
Mud: (.475) 9.1 x 45 x 5.0 (Oil 4%)
11/12: 9039/70/52/18 Washing to bottom.
Began short trip, pulled 310'; hole would not
clean up. Pipe sticking at this point. Went
back to bottom. Began raising visc while drlg.
Hole cleaned w/70 visc. Made trip for new bit.
Washed 15' to bottom. Dev: $6\frac{1}{4}^{\circ}$ at 9025.
Mud: (.475) 9.1 x 70 x 4 (Oil 4%)
11/13: 9190/70/53/151 Drilling. Circ samples
at 9178. NOV 14 1972
Mud: (.479) 9.2 x 54 x 4 (Oil 3%)

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

9284/70/54/94 Drilling. Dev: $6\frac{1}{4}^{\circ}$ at 9180.
Made SIM, no correction. Washed to bottom.
Mud: (.478) 9.2 x 70 x 4.0 (Oil 2%) NOV 14 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

9412/70/55/128 Drilling.
Mud: (.473) 9.1 x 67 x 4.0 (Oil 2%) NOV 15 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

9530/70/56/118. Drilling. Short tripped; cleaned shale
pit.
Mud: (gradient .473) 9.1 x 63 x 4.6 (1% oil) NOV 16 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

9662/70/57/132. Drilling.
Mud: (gradient .475) 9.1 x 55 x 3.9 (1% oil) NOV 17 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

11/18: 9801/70/58/139. Drilling. Short tripped 16
stds.
Mud: (gradient .473) 9.1 x 90 x 4.0 (1% oil)
11/19: 9926/70/59/135. Drilling.
Mud: (gradient .475) 9.1 x 82 x 3 (1% oil)
11/20: 10,081/70/60/143. Drilling.
Mud: (gradient .475) 9.1 x 90 x 4 . NOV 20 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

10,163/70/61/82. Drilling. Dev: 10° @ 10,080'.
Tripped for new bit @ 10,089. Washed 4' of fill.
Hole sli tight from 6500-5500'.
Mud: (gradient .478) 9.2 x 61 x 3 . NOV 21 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

10,252/70/62/89. Drilling. Dev: 10° @ 10,175'.
Washed 4' of fill.
Mud: (gradient .480) 9.2 x 75 x 3 NOV 22 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian
Test
9 5/8" csg at 3987'

11/23: 10,311/70/63/59 Coring. Dev: 10° at 10,305'.
Washed approx 10' of fill.
Mud: (gradient .470) 9.2+ x 76 x 3.0
11/24: 10,341/70/64/30 Tripping out with core bbl.
CORE NO. 7 10,310-10,341 Cut 31', rec 30'.
Mud: (gradient .483) 9.3 x 65 x 4.0
11/25: 10,370/70/65/29 Tripping in w/core bbl. Dev:
9° at 10,365. Circ at 10,370 for 2½ hrs. Washed to btm.
Mud: (gradient .483) 9.3 x 74 x 4.0
11/26: 10,403/70/66/33 Coring. Finished tripping in
w/core bbl.
Mud: (gradient .484) 9.2 x 67 x 4 NOV 27 1972
11/27: 10,428/70/67/25 Drilling. Tripped out w/core
bbl. Washed 15' to btm.
CORE NO. 8 10,370-10,426.5 Cut and rec 56½'.
Mud: (gradient .483) 9.3 x 80 x 3.8

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

10,533/70/68/105. Drilling.
Mud: (gradient .480) 9.2+ x 78 x 3.8 NOV 28 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

10,631/70/69/98. Drilling.
Mud: (gradient .483) 9.3 x 80 x 4.0 NOV 29 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

10,688/70/70/57. Drilling. Tripped for new bit @
10,645.
Mud: (gradient .483) 9.3 x 68 x 4.0 NOV 30 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

10,762/70/71/74 Running core bbl.
Mud: (.483) 9.3 x 68 x 4.2 (Oil Trc) DEC 1 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian
Test
9 5/8" csg at 3987'

12/2: 10,794/70/72/32 Coring.
Mud: (gradient .483) 9.3 x 69 x 3.6
12/3: 10,810/70/73/16 Tripping out w/bit. Dev: 10° at
10,800.
CORE NO. 9 10,762-10,803 Cut 46', rec 31'.
Mud: (gradient .488) 9.4 x 62 x 4.0 DEC 4 1972
12/4: 10,838/70/74/28 Pulling core bbl.
CORE NO. 10 10,810-10,838 Cut and rec 28'.
Mud: (gradient .488) 9.4 x 74 x 4.0

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

10,931/70/75/93. Drilling.
Mud: (gradient .488) 9.4 x 78 x 4.6 DEC 5 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

11,007/70/76/76. Drilling. Short tripped to 10,500'.
Mud: (gradient .488) 9.4 x 69 x 3.6 DEC 7 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9-5/8" csg @ 3987'

11,073/70/77/66. Drilling. Dev: 8° @ 11,035. Short
tripped from 11,042-500. Changed bits @ 11,045 (two
cones locked up). Reamed 1 jt to btm - no fill.
Mud: (gradient .488) 9.4 x 85 x 4.4 DEC 7 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,000' Pre-Cambrian Test
9 5/8" csg at 3987'

11,107/70/78/34 Waiting on magnet to fish cones.
Made trip out and took survey. Dev: 7 3/4° at
11,100.
Mud: (.488) 9.4 x 89 x 4.6 (Oil Trc) DEC 8 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9 5/8" csg at 3987'

12/9: 11,115/70/79/0 Logging. Tripped in w/magnet,
rec 2 pcs of cone. Circ 44 hrs prior to logging.
Made 8' SLC: 11,107 = 11,115.
Mud: (gradient .488) 9.4 x 84 x 4.6
12/10: 11,115/70/80/0 Logging.
Mud: (gradient .488) 9.4 x 84 x 4.6
12/9 & 12/10: Schl ran BHC-GR to 11,115, PML, CNL-
FDC, DIL, and Velocity Survey.
12/11: 11,115/70/81/0 Circ and cord mud at 11,110.
Tripped in w/new bit, breaking circ at 5,000, 8,000,
and 11,110.
Mud: (gradient .488) 9.4 x 90 x 4.4 DEC 11 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9 5/8" csg at 3987'

11,115/70/82/0 Logging. Ran PML & CNL-FDC. Logging
DIL 3rd time. Made three sidewall core runs.
Mud: (gradient .488) 9.4 x 90 x 4.4 DEC 12 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9-5/8" csg @ 3987'

11,115/70/83/0. Logging.
Mud: (gradient .488) 9.4 x 90 x 4.4 DEC 13 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9-5/8" csg @ 3987'

11,115/70/84/0. Washing and rotating @ 8976. Finished logging. Ran in hole w/BHA, breaking circ @ 5000 and 8000'. Encountered bridge @ 8100' w/5-25,000# wt. Washed from 8100-8976.
Mud: (gradient .499) 9.6 x 84 x 5 DEC 14 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9 5/8" csg at 3987'

11,115/70/85/0 Tripping to cond hole for DST.
Washed from 8976-TD. Circ and made short trip of 40 stds. Reamed and washed from 10,836-TD. Tripped out to cond hole and lay down stabilizers.
Mud: (.500) 9.6 x 68 x 4.0 (Oil Trc) DEC 15 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9-5/8" csg @ 3987'

12/16: 11,115/70/86/0. Running DST #2.
Mud: (gradient .504) 9.7 x 76 x 4.0
12/17: 11,115/70/87/0. Rerunning DST #2. Circ and cond hole 6 hrs. Hit bridge @ 4311 GIH w/DST #2A. Made CO run.
Mud: (gradient .501) 9.6 x 74 x 5.2
12/18: 11,115/70/88/0 Rerunning DST #2. Attempted DST #2B 10,747-11,115, pkrs failed after 5 min of IF. IF 2", immed decr $\frac{1}{2}$ "
Mud: (gradient .494) 9.6 x 76 x 5.1 DEC 18 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9-5/8" csg @ 3987'

11,115/70/89/0. Circ and cond mud @ 11,113, prep to make short trip.
Mud: (gradient .499) 9.6 x 89 x 4.6 DEC 18 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9-5/8" csg @ 3987'

11,115/70/90/0. Running DST tool. Circ and cond hole, short tripped to 10,000' and started running test tool.
Mud: (gradient .494) 9.5 x 72 x 5.4 DEC 20 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9 5/8" csg at 3987'

11,115/70/91/0 Cond mud at 11,113; prep to make short trip. Attempted DST #2C (Straddle Test) 10,910-10,948 using Lynes pkrs. Hit bridge 6 stds above test interval. Pushed 30,000 pounds and got through. Lynes pkrs would not inflate when attempted to test.
Mud: (gradient .515) 9.9 x 76 x 4 (Oil 2%) DEC 21 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9 5/8" csg at 3987'

11,115/70/92/0 Attempting to set Lynes pkrs 10,910-10,948 for DST #2. Lynes pkrs from DST #2C were badly torn up. Circ and cond mud 3 1/4 hrs. Short tripped to 10,000'. Bit drug at 10,950' to 10,863' w/80,000# above DP string wt. Ran bit back to 10,949 and set down wt. Ran back in hole w/20,000#, rotated and circ, worked kelly up and down and pulled out of hole w/20,000# drag at 10,300'. Circ and cond hole, working bit through tight spot. Made up Lynes straddle pkr.
Mud: (gradient .504) 9.7 x 82 x 5.6 DEC 22 1972

Shell-Laguna-
Wilson Trust #1
(WC) Noble N-85
11,115' Pre-Cambrian Test
9 5/8" csg at 3987'

12/23: 11,115/70/93/0. Running DST #3 w/Lynes straddle pkrs 6776-6820 in Glorietta. Circ and cond mud at 7012 after attempt to test Atoka failed with DST #2D. Lynes pkrs would not inflate and were badly torn by rough hole. Pulled out of hole and started in hole w/pkrs.

Mud: (gradient .499) 9.6 x 80 x 4.8

12/24: 11,115/70/94/0 Laying down DC's.

DST #3 6776-6820 (Glorietta)

IHP 3481, IFP 126-505 15 min - 2" incr to >15" (btm of bucket) in 5 min and thereafter, ISIP 3117 60 min - press leveled after 10 min, FFP 505-1469 60 min - 2" incr to >15" (btm of bucket) in 20 min, then decr to 2" in 60 min, FSIP 3117 180 min - press leveled after 10 min, grad ~ .460, FHP 3481.

Recovery

31 stds DP = 2912'

DC = 456

Total 3368' = 44.1 bbls

8 stds - 751' WCM (10.7 bbls)

4 stds - 376' SMCW (5.3 bbls)

19 stds-1785' VHGCW - very foamy (25.4 bbls)

DC's - 456' VHGCW - very foamy (2.8 bbls)

Gas is inflammable and has no odor.

BHT - not measured.

Ran bit back to btm w/no fill, circ and cond hole.

Mud: (gradient .499) 9.6 x 80 x 4.8

(Cont'd)

Shell-Laguna-
Wilson Trust #1
(WC)
11,115' Pre-Cambrian Test
9 5/8" csg at 3987'

12/25: 11,115/70/95/0 Nippling down BOP's, chk manifold and cleaning pits. Finished laying down DC's. Ran back in opened to 10,950, circ for 1 hr. RU Hal and sptd plugs as follows:

<u>Interval</u>	<u>Sx Cmt</u>
10,950-10,700	125
7,200- 7,100	50
6,900- 6,750	75
4,050- 3,950	75
850- 800	25

Started nippling down BOP's and chk manifold.

Mud: (gradient .499) 9.6 x 80 x 4.8

12/26: TD 11,115. PB 800. Loading out rental eqpmt. Finished nippling down BOP's, removed drlg spool and 9 5/8" csg hd landing base. Laid down derrick. Released rig 12 midnight 12/25/72. DEC 26 1972

Shell-Laguna-
Wilson Trust #1
(WC)
11,115' Pre-Cambrian Test
9 5/8" csg at 3987'

TD 11,115. PLUGGING AND ABANDONMENT COMPLETE.
Removed csg hd and sptd 10 sx cmt plug at sfc.
Plated csg and installed dry hole marker.
Elev: 5394 GL, 5415 KB
FINAL REPORT. DEC 27 1972