

SUNDY NOTICES AND REPORTS ON WELLS
1. OIL WELL [ ] GAS WELL [ ] OTHER Exploratory
2. NAME OF OPERATOR Union Oil Co. of California
3. ADDRESS OF OPERATOR 120 East Union Avenue, Olympia, Washington
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
X = 978,928 Y = 327,172'
14. PERMIT NO.
15. ELEVATIONS (Show whether of, ft., or, etc.) 34' Rt
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [ ] FULL OR ALTER CASING [X] MULTIPLE COMPLETE [ ] ABANDON\* [ ] CHANGE PLANS [X]
SUBSEQUENT REPORT OF: REPAIRING WELL [ ] ALTERING CASING [X] ABANDONMENT\* [ ]
17. DESKRIE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
Ran 5351' of 2 7/8" N80 7-5/8" casing landed at 5550', cemented with 700 sax class G cement, in place 8:40 a.m. 10/13/65.
Verbal approval for this program was obtained from Mr. Fred Schambeck via telephone communication Oct. 1, 1965.

NOTED OCT 29 1965 CYPHER

RECEIVED OCT 1 1965 LOS ANGELES

NOTED OCT 29 1965 SCHAMBECK

18. I hereby certify that the foregoing is true and correct
SIGNED: [Signature] TITLE District Geologist DATE 10/13/65
APPROVED BY: [Signature] TITLE Los Angeles District Engineer DATE OCT 19 1965

\*See Instructions on Reverse Side

SUNDY NOTICES AND REPORTS ON WELLS
1. OIL WELL [X] GAS WELL [ ] OTHER Wildcat
2. NAME OF OPERATOR Union Oil Company of California
3. ADDRESS OF OPERATOR 120 East Union Avenue, Olympia, Washington
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
X = 978,928E Y = 327,172N Oregon North Zone
14. PERMIT NO.
15. ELEVATIONS (Show whether of, ft., or, etc.) Water Depth 195' Old RT 34' New RT 67'
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [ ] FULL OR ALTER CASING [ ] MULTIPLE COMPLETE [ ] ABANDON\* [ ] CHANGE PLANS [ ]
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Drilling operations on Union OCS P-093 Grebe #1 were suspended October 17, 1965 at a depth of 5603' due to unfavorable weather conditions. It is the intention of the operator to resume activity on or about September 10, 1966 to complete the evaluation of this wildcat prospect. The semi-submersible "Blue Water II" is to be used in the forthcoming operations. Because of very poor anchoring terrain, operator desires to set a series of 6 anchor piles in a circular pattern approximately 4500' from the well head location. All anchor piles will be drilled in and set flush with the ocean floor. Previous anchor piles set approximately 2000' from the location cannot be used because the scope of the lines would not meet anchoring requirements of "Blue Water II". Drawings of the proposed pile and anchoring system are attached as exhibits. As a condition of approval of the anchor pilings, it is understood that any anchor pile projection will be removed to a position flush with the sea floor or covered so they will not create any obstruction to activity of other industry.
A well program is attached as an exhibit.

NOTED AUG 23 1966 SCHAMBECK

18. I hereby certify that the foregoing is true and correct
SIGNED: [Signature] TITLE District Geologist DATE August 15, 1966
APPROVED BY: [Signature] TITLE Acting Los Angeles District Engineer DATE AUG 28 1966

\*See Instructions on Reverse Side

SUNDY NOTICES AND REPORTS ON WELLS
1. OIL WELL [X] GAS WELL [ ] OTHER Wildcat
2. NAME OF OPERATOR Union Oil Company of California
3. ADDRESS OF OPERATOR 120 East Union Avenue, Olympia, Washington 98501
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
X = 978,928 E Y = 327,172 N Oregon North Zone
14. PERMIT NO.
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Subject well reached total depth Oct. 7, 1966. Prepared hole to log Oct. 8 & 9, 1966. Verbal approval for abandonment obtained initially from Mr. Solanas on Oct. 8, 1966, followed by a review of procedures and concurrence from Mr. John Fackler on Oct. 8, 1966. Abandonment operations were conducted in the following manner: A 405 linear foot plug consisting of 125 sacks neat cement mixed with sea water and 2% CaCl2 was laid across 7-5/8" casing shoe at 5613', with 151' outside casing and 254' inside casing. Felt for plug. Found top cement at 5392' - 221' inside 7-5/8" casing, tested with 20,000' weight O.K. Witnessed and approved by Mr. John Fackler. An insurance plug 400' in length, consisting of 87 sacks of neat cement mixed with sea water and 2% CaCl2 was laid on top of Plug #1 with top at 4371'. Cement Plug #3: A 500 linear foot plug consisting of 109 sacks of neat cement mixed with sea water and 2% CaCl2 - 788' to 288'. Theoretical top of surface plug at 288' or 25' below ocean floor. The submarine conductor, along with the 10-3/4" and 7-5/8" casing, was shot off. Approximately 15' of 30", 6' of 7-5/8" and 10-3/4" casing was recovered, along with the subbase and main-base, BOPF stack and riser, leaving the ocean floor free and clear of all obstructions. An attempt was made to insert a high pressure rubber cementing hose into the well bore by the diver, in order to plug the well with cement to surface. The diver was unable to work hose past 5' into the well bore, therefore top cement job was not feasible. Diver confirmed no bubbles in or near well bore and ocean floor clean. All above operations were witnessed and approved by Mr. John Fackler.

NOTED NOV 7 1966 CYPHER

NOTED NOV 4 1966 SCHAMBECK

18. I hereby certify that the foregoing is true and correct
SIGNED: [Signature] TITLE Drilling Engineer DATE October 28, 1966
APPROVED BY: [Signature] TITLE Los Angeles District Engineer DATE 11-2-66

\*See Instructions on Reverse Side

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Using support vessel "Cal Tide", recovered Bluewater #11 anchors #5, #3 and #7. Positioned "Cal Tide" over drilled-in anchor pile #6. Recovered anchor pile and wire line. Ran explosive shoe down 2" wire line pendants on drilled-in anchors #1, #2, #8 and #4. Shot and recovered all wire line and top section of anchor pile #8 and #4. Shot and recovered all wire line of anchor piles #1 and #2. All drilled-in anchors flush with or below ocean floor, leaving ocean floor clean and free of all obstructions.

18. I hereby certify that the foregoing is true and correct
SIGNED: [Signature] TITLE Drilling Engineer DATE October 28, 1966
APPROVED BY: [Signature] TITLE Los Angeles District Engineer

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Operations suspended due to bad weather and heavy seas preventing further drilling activity. Drilling vessel "WODECO III" under tow 5:30 P.M. October 17, 1965. The well was suspended in the following manner:
Total depth 5603', with 5351' of 2 7/8" N80 7-5/8" casing cemented through shoe at 5580' with 700 sax class G cement and cemented through D.V. Collar @ 2109' with 300 sax. Not drilled out. Casing filled with 110" saltwater base mud. BOP stack left on well head with blind rams closed. Well location to be marked by Coast Guard approved flashing white lighted buoy, marked "Government Oil & Gas Lease OCS P-093. Do not remove." Well suspended in above manner as verbally approved by Mr. Fred Schambeck via telephone communication Oct. 15, 1965.

NOTED OCT 29 1965 CYPHER

NOTED OCT 29 1965 SCHAMBECK

18. I hereby certify that the foregoing is true and correct
SIGNED: [Signature] TITLE District Geologist DATE October 19, 1965
APPROVED BY: [Signature] TITLE Los Angeles District Engineer DATE OCT 27 1965

\*See Instructions on Reverse Side

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Subject well reached total depth Oct. 7, 1966. Prepared hole to log Oct. 8 & 9, 1966. Verbal approval for abandonment obtained from Mr. Solanas on Oct. 6, 1966 followed by a review of procedures and concurrence from Mr. John Fackler on Oct. 6, 1966. Abandonment operations were verbally proposed and approved as follows:
A. 300 linear foot plug consisting of 110 sx neat cnt. mixed with sea water and 2% CaCl2 laid across the 7-5/8" casg. shoe @ 5613' with 150' out casing and 150' inside. Peel for plug and test for hardness of cnt. An additional plug approximately 150' in length consisting of 36 sx neat cnt. mixed with sea water and 2% CaCl2 will be laid on top of plug #1 with top approximately 5313'. Cement plug #3 will be approximately 150' in length with 438' to 268' or top of cement to be 25' below the ocean floor. 36 sx neat cnt. will be used mixed with sea water and 2% CaCl2. The marine subconductor will be perforated with 100 shot perforating guns in a 3' interval, 10 shots per foot or total of 30 shots at 269' to 272 or 6' to 9' below the ocean floor. After the above interval has been perforated, a 10 lb. charge of C-3 and Cyclonite will be lowered into the well bore and centered at the perforated zone. The charge will be detonated, a 6' length of 30" subconductor, 11' of 10-3/4" and 10' of 7-5/8" casing will be recovered. Before pulling the sheared casing and subconductor, an attempt will be made to work the open end drill pipe to 285' or top of cnt. plug #3. If possible, plug #4 will be set using approximately 25 sx of neat cnt. mixed w/sea water and 2% CaCl2. Plug #4 will cover the interval from 285' to ocean floor. The marine riser, B.O.P.E. stack and submarine conductor along with the above casing stubs will be recovered, along with the index pad, leaving the ocean floor free and clear of all obstructions.

NOTED OCT 20 1966 CYPHER

NOTED H. SMITH

18. I hereby certify that the foregoing is true and correct
SIGNED: [Signature] TITLE Drilling Engineer DATE October 10, 1966
APPROVED BY: [Signature] TITLE Los Angeles District Engineer DATE OCT 18 1966

\*See Instructions on Reverse Side

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After the B.O.P.E. stack and miscellaneous equipment is recovered, the supply and anchor boat will move over the five drilled-in anchor piles and an attempt will be made to pull the anchor piles out of the ocean floor. If this attempt fails, a tool has been devised to run an explosive charge of Con P-3 down the 2" anchor wire line and detonate the charge at or below the ocean floor. The wire line connected to the anchor pile will be recovered leaving the mud line and ocean floor clean of all obstructions.

18. I hereby certify that the foregoing is true and correct
SIGNED: [Signature] TITLE Drilling Engineer DATE October 10, 1966
APPROVED BY: [Signature] TITLE Los Angeles District Engineer

\*See Instructions on Reverse Side