

Newport Area (FIELD) OFFSHORE (COUNTY) DRILLING REPORT FOR PERIOD ENDING 8/8/65 OCS-P 087 (SECTION OR LEASE)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-7	388'	600'	<p>Location:</p> <p>5635' FSL and 3901' FWL of Block 15 N, 66W. Oregon Map No. 2.</p> <p>RT to Ocean floor at MLLW = 388'* Water Depth at MLLW = 321' RT to Water level at MLLW = 67'</p> <p>*All depths referenced to RT at MLLW.</p> <p>Spudded well OCS-P 087-1ET at 0230 Hrs. (8-7-65). Drilled 28" hole from 388' to 600' in 5-3/4 hrs. with bit #1. Circulated hole clean and displaced with 300 bbl. gel pill. Ran marine conductor and landed index pad at 12:45 hrs. Shoe of subconductor at 488'. Retrieved drill string and ran choke and kill lines. Tested same with 3000 psi, ok. Ran in open ended drill pipe to 424' and cemented subconductor with 400 sax of Class G cement mixed with 5# perlite/sax, 2% gel, 2% CaCl₂ and sea water. (668 ft.³ of 100-105 lb. slurry). Followed with 40 sax of neat cement. (47 ft.³ of 110# slurry). Displaced with 76 cu. ft. sea water. C.I.P. at 2015 Hrs. Waited on cement.</p>
8-8	600'	950'	<p>Wanted on cement until 0230 hrs. Ran in with drilling assembly (re-ran bit #1) and found top of cement at 480'. Cleaned out 2 ft. - found no cement below 482'. Ran in to bottom of 13-3/8" shoe. Lost returns. Pulled drilling assembly. Ran in open ended drill pipe to 424'. Reconnected subconductor with 350 sax Class G cement with 5# perlite/sax, 2% gel and 2% CaCl₂ mixed with sea water (584 ft.³ of 100-105# slurry). Displaced with 76 cu. ft. sea water. C.I.P. at 0705 Hrs. W.O.C. 7 hrs. Ran in hole with drilling assembly and bit #1 (rerun). Found top of cement at 462'. Cleaned out 1' cement and then found no cement until 512'. Circulation ok. Tripped for 15" hole opener. Cleaned out cement to 567'. Lost circulation. Found some cement stringers down to 600'. Continued drilling 15" hole without returns. Drilled 15" hole to 950'. (350' in 3-1/2 hrs. - total footage for bit #1 - 562' in 9-1/4 hrs.) Circulated to condition mud and spotted gel pill on bottom. Pulled drilling assembly. Ran in hole with casting drift and set seat at 434'. Started running 11-3/4" casing.</p>

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	388'	600'	13-3/8"	488' RT
15"	600'	950'		
DRILL PIPE SIZE: 5"				

NOTED SEP 24 1965 FACKLER

P. J. Gross

PD 4A (Rev. 5-63) Printed in U.S.A. SHELL OIL COMPANY WELL NO. 1ET

Newport Area (FIELD) OFFSHORE (COUNTY) DRILLING REPORT FOR PERIOD ENDING 8/12/65 OCS-P 087 (SECTION OR LEASE)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-9	950'	969'	<p>Finished running 11-3/4" casing - top at 434' and shoe at 915'. With 11-3/4" cementing swab cups on 5" drill pipe at 444', pumped in 400 saxs Class G cement w/5# perlite/sax, 2% gel and 2% CaCl₂ mixed w/seat water. (658 cu. ft. of 100-105# slurry). Followed with 40 sax neat cement (47 cu. ft. of 110# slurry). Displaced cement with 35 cu. ft. of seat water. C.I.P. at 0330 hrs. W.O.C. 6 hrs. Ran in drilling assembly with 10-5/8" bit (bit #2) and tagged top of cement at 620'. Cleaned out cement with good returns to 791'. Pulled drilling assembly above blind rums to pressure test splice. Could not build up any pressure. Ran in open ended drill pipe to 433' and cemented splice with 130 sax Class G cement with 5# perlite/sax 2% gel and 2% CaCl₂ mixed with sea water. (217 cu. ft. of 100-105# slurry). Followed with 100 sax of neat cement (118 cu. ft. of 110# slurry). Displaced with 43 cu. ft. of sea water. C.I.P. at 1500 hrs. W.O.C. for 5 hrs. Ran in hole with bit #2 (rerun) and tagged top of cement at 433'. Drilled out 1 ft. of cement and found hole clean to 792'. Drilled out cement to 915'. Opened hole from 915' to 935'. Tripped for 12-1/4" hole opener. Drilled ahead to 969' with bit #2 (rerun).</p>
8-10	969'	2796'	<p>Drilled with bit #2 (10-5/8" Smith D.T. and 12-1/4" hole opener) to 2082'. (1462' in 13 hrs.) Tripped for bit #3 (10-5/8" Smith) and dressed 12-1/4" hole opener. Drilled ahead to 2796 ft. Mud: wt. 68, vis. 45, sd. 1/2%</p>
8-11	2796'	2950'	<p>Drilled with bit #3 to 2950' (868' in 6-3/4 hrs.) Circulated and conditioned mud. Tripped to service under reamer. Circulated and conditioned mud. Pulled out of hole and rigged up for Schlumberger. Ran I.E.S. and stopped at 2351'. Rigged out Schlumberger, ran in and circulated and conditioned mud. Pulled out. Ran I.E.S., SLC, 1 SWS gun. Rigged out Schlumberger and commenced running 9-5/8" casing.</p>
8-12	2950'	3311'	<p>Continued to run 9-5/8" casing. While making up the left hand nut into the casing hanger, 9-5/8" swab assembly dropped down casing. Retrieved swab assembly with a home-made wall hook spear. Landed casing at 04.45 hrs. Casing shoe at 2889. Pressure tested to 2000# for 10 minutes. ok. Locked down hanger with mobot. Released the running tool and pulled out. Ran in with open ended drill pipe to 2650'. Broke circulation and closed pipe rams and hydril. Cemented with 1000 sax of API Class G cement with 5# perlite per sack, 2% gel, and sea water mixed with</p>

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	388'	600'	13-3/8"	488' RT
15"	600'	950'		
DRILL PIPE SIZE: 5"				

P. J. Gross R. Iden

PD 4A (Rev. 5-63) Printed in U.S.A. SHELL OIL COMPANY WELL NO. 1ET

Newport Area (FIELD) OFFSHORE (COUNTY) DRILLING REPORT FOR PERIOD ENDING 8/14/65 OCS-P 087 (SECTION OR LEASE)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-12	2950'	3311'	<p>Continued</p> <p>2% CaCl₂. Cement in place at 09.45 hrs. Pulled out of hole. Waited on cement. Ran in with drilling assembly (Bit #4 - X3A, 8-3/4") and found cement at 2635'. Drilled out cement and continued drilling to 3311'.</p>
8-13	3311'	3348'	<p>Continued drilling to 3348'. Lost circulation at 3348'. Hole tight. Pipe stuck while laying out a single. Worked pipe loose with a maximum of 250,000#. Pulled out of hole to casing. Circulated and conditioned mud. Reamed and lost returns. Pipe stuck at 3155'. Worked pipe loose and pulled out of the hole. Circulated through the choke and kill lines to clear the marine conductor of cuttings. Ran in hole to 1554'. Circulated and conditioned mud. Singled down 5 stands then layed down 10 joints. Ran in 15 stands to 9-5/8" shoe. Circulated and conditioned mud and commenced to wash and ream hole (bit #4 in use). Mud: A.M. Wt. 72, vis. 45, w.l. 6.4, f.c. 2/32, solids 6%, diesel 10% P.M. Wt. 77, vis. 56, w.l. 4.6, f.c. 2/32, sd. 2%</p>
8-14	-	3348'	<p>Washed and reamed to 3304'. Formation sloughed. Ratholed 6 singles and pulled 3 stands. Circulated and conditioned mud. Washed and reamed sloughing shale. Hole continued to slough. Continued to wash and ream (with Bit #4) and condition mud.</p> <p>In order to try and control sloughing shale 150 sax of petrosize M were used (in addition to Barite, Caustic, Spersene, Super Drill, Viz Thin, DMS, gel and diesel oil). Mud: A.M. Wt. 80-1/2, vis. 55, w.l. 4.0, f.c. 2/32, pH 9.5, sd. 2%, diesel 18% P.M. Wt. 80, vis. 60, w.l. 4.6, f.c. 2/32, sd 2%</p>

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	388'	600'	13-3/8"	488' RT
15"	600'	950'		
12-1/4"	950'	2950'	9-5/8"	2889' RT
DRILL PIPE SIZE: 5"				

R. Iden

PD 4A (Rev. 5-63) Printed in U.S.A. SHELL OIL COMPANY WELL NO. 1ET

Newport Area (FIELD) OFFSHORE (COUNTY) DRILLING REPORT FOR PERIOD ENDING 8/18/65 OCS-P 087 (SECTION OR LEASE)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-15	-	3348'	<p>Continued to wash, ream and condition hole to bottom. Circulated. Conditioned hole. Pumped slug. Started out of hole - chained out 6 stands. Pipe dragged in casing. Picked up kelly, circulated and worked pipe in casing. Tripped for bit #5 and ran back in to shoe of 9-5/8" casing. Circulated and commenced to wash and ream sloughing hole. Mud: Wt. 80, vis. 60, w.l. 4.0, f.c. 2/32, sd. 2%</p>
8-16	-	3348'	<p>Continued to circulate, wash and ream sloughing hole to bottom. Circulated and conditioned mud to 89#. Rigged up Halliburton. Cemented shale section with bit at 3257'. Pumped in 200 sax neat cement and 150 sax of perlite cement. Started cementing at 11.15 hrs. finished at 11.45 hrs. Full returns while spotting cement. Pulled bit above rams, closed blind rams and staged cement by pumping mud through kill lines. Staged cement three times with final shut in pressure of 750 psi. (16.00 hrs.) Waited on cement. Made up tools and ran in to blind rams. Mud: Wt. 89, vis. 68, w.l. 4.0, f.c. 2/32, pH 9.5; sd. 1-3/4%</p>
8-17	-	3348'	<p>Released pressure and ran in to 2492'. Circulated out contaminated mud. Continued to run in to 2916'. No cement found. Pulled back up into casing. Circulated. Ran in to 2993'. Bit balled up. Ratholed 3 joints and circulated bottoms up. Continued to run in and found some cement at 2995' - 25' of cement - drilled same. Hole sloughed at 3079'. Washed and reamed and built up mud weight. Tripped to check bit (#5). Circulated. Bit plugged. Pulled bit. Mud: A.M. Wt. 97, vis. 63, w.l. 6.2, f.c. 2/32, pH 9, sd 1-1/2% P.M. Wt. 108, vis. 64, w.l. 5.2, f.c. 2/32, sd 2%</p>
8-18	-	3348'	<p>Finished trip for plugged bit. Ran in hole to 2348'. Circulated and obtained heavy flow. Ran in to shoe of 9-5/8" casing (2889') and circulated. began reaming hole below shoe. Reamed to 3007' then hole started to pack off and lost circulation. Tripped for bit #6. Bit #5 was balled up. Cleaned hole to 2993'. Spotted 117 lb./cu.ft. cement slurry across open hole through bit. Pulled up to 2727'. Closed hydril bag and pumped in 635 sax of neat cement and 800 sax of perlite cement (1958 cu.ft. of slurry) Displaced with 280 cu.ft. of 103 lb./cu.ft. mud. Obtained 400 psi pressure with 62 cu. ft. of cement left to surface. Staged in 20 cu. ft. and pressure built up to 500 psi. Staged in 42 cu. ft. and final pressure build up was 550 psi. Total displacement was 342 cu. ft. C.I.P. at 19.45 hrs. W.O.C. Mud: A.M. Wt. 104, vis. 65, w.l. 6.0, f.c. 2/32</p>

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	388'	600'	13-3/8"	488' RT
15"	600'	950'		
12-1/4"	950'	2950'	11-3/4"	915' RT
8-3/4"	2950'	3348'	9-5/8"	2889' RT
DRILL PIPE SIZE: 5"				

R. Iden

PD 4A (Rev. 5-63) Printed in U.S.A. SHELL OIL COMPANY WELL NO. 1ET

Newport Area (FIELD) OFFSHORE (COUNTY) DRILLING REPORT FOR PERIOD ENDING 8/22/65 OCS-P 087 (SECTION OR LEASE)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-19	-	3348'	<p>Continued to W.O.C. Released pressure at 02.00 hrs. Pulled up 2 stands and conditioned mud to 115 lbs. Felt for cement at 06.00 hrs. and found top at 2908'. Cleaned out cement (approximately 20'). Washed and reamed sloughing hole. Pulled out of hole to change bits (bit #7 - HTC-OCS 3). Circulated through the marine conductor. Ran in to 1600'. Circulated and conditioned mud. Ran in to 2487'. Circulated and conditioned mud. Mud: Wt. 115, vis. 85, w.l. 5.8, f.c. 2/32, sd 2%</p>
8-20	-	3348'	<p>Washed and reamed sloughing hole to 3010'. Bit balled up. Pulled out of hole to clean bit. Ran in to 1331' Circulated and lowered mud viscosity to 60-65 secs. Ran in to 1954'. Circulated. Ran in to shoe of 9-5/8" casing (2889'). Circulated bottoms up. Washed and reamed sloughing hole to 3061'. Bit balled up. Pulled out of hole to clean bit. Ran in and hit bridge at 665'. Commenced to wash and ream. Mud: Wt. 101, vis. 63, w.l. 4.8, f.c. 2/32, pH 11, sd 3%, diesel 9%</p>
8-21	-	3348'	<p>Reamed and cleaned hole at 665' and 1775'. Ran in to 2889' (shoe of 9-5/8" casing). Circulated and conditioned mud, raising viscosity to 100 secs. Reamed and washed sloughing hole to 3110'. Tripped to pick up 1 monel steel drill collar and 6 point stabilizer. Circulated and cleaned out 9-5/8" casing at 1362'. Continued to run in. Circulated and cleaned out 9-5/8" casing at 1620'. Cleaned out 9-5/8" casing to shoe (2889'). Tripped to lay down stabilizer. Reamed and cleaned hole from 2951' to 3055'. Lost returns. Pulled up into casing, circulated and conditioned mud. Commenced reaming. Mud: Wt. 97, vis. 115, w.l. 4.0, f.c. 2/32, pH 9.5, sd 1.5%</p>
8-22	-	3348'	<p>Reamed and washed to 3055'. Tripped to set back 1 drill collar and clean bit. Took weight at 2690'. Circulated. Hole started to pack off. Pulled up to 2508'. Circulated hole clean. Ran in, circulated, reamed and cleaned to 2923'. Lost returns. Singled out 3 joints, still no returns. Pulled out to 2508' and circulated and conditioned mud. Ran in to 2889' and circulated while mixing sawdust, walnut shells and gel into mud. Pumped in 50 bbls. lost circulation pill, reamed to 2921', circulated up pill, reamed to 2960'. Pumped in another pill and reamed to 3010'. Pumped in third pill and circulated up large quantities of shale. Pump pressure increased. Pulled up into casing, circulated and conditioned mud, raising viscosity to 200 secs. Commenced reaming out of shoe</p>

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	388'	600'	13-3/8"	488' RT
15"	600'	950'		
12-1/4"	950'	2950'	11-3/4"	915' RT
8-3/4"	2950'	3348'	9-5/8"	2889' RT
DRILL PIPE SIZE: 5"				

P. J. Gross

PD 4A (Rev. 5-63) Printed in U.S.A. SHELL OIL COMPANY WELL NO. 1 ET

Newport Area (FIELD) OFFSHORE (COUNTY) DRILLING REPORT FOR PERIOD ENDING 8/25/65 OCS-P 087 (SECTION OR LEASE)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-22	-	3348'	<p>(2889') and lost returns. Pulled up into casing. Lowered mud viscosity to 165 sec. Reamed to 2965'. Mud: 17.00 hrs. Wt. 95, vis. 120, w.l. 3.4, f.c. 2/32, pH 11, sd 1% 23.00 hrs. Wt. 100, vis. 165, w.l. 3.2, f.c. 2/32, pH 11, sd 1%</p>
8-23	-	3348'	<p>Circulated and conditioned mud at 2964'. Reamed to 2978'. Circulated and conditioned mud. Pulled up 5 stands. Ran in and found wt. at 2968'. Reamed to 2993'. Circulated and conditioned mud. Mud: Wt. 100, vis. 120, w.l. 3.0, f.c. 2/32, pH 11, sd 1%</p> <p>Received orders to abandon OCS-P 087-1ET at 12:00 hrs.</p> <p>With open end drill pipe at 2984', cemented with 237 sacks Class G cement plus 2% calcium chloride; 100 cubic feet sea water ahead, 30 cubic feet sea water behind. Displaced with 208 cubic feet of mud. Cement in place at 3:30 P.M. Pulled 8 stands (360'+). Displaced with sea water. Pulled out of hole. Ran in with bit and found top of cement at 2958' at 9:00 P.M. Pulled out. Ran in with open end drill pipe to 2939', and cemented with 250 sacks Class G cement plus 2% calcium chloride.</p>
8-24	-	2478' Plug	<p>Displaced with 230 cubic feet of sea water. Cement in place at 12:05 A.M. Pulled up 8 stands. Waited on cement. Found top of cement at 2478' at 6:00 A.M. and tested for ten minutes with 40,000 pounds weight. O.K. Came out of hole and laid down drill pipe. Ran in with 9-5/8" cutter and cut 9-5/8" casing at 430'. Pulled out of hole. Ran in with open end drill pipe to 530' and cemented with 40 sacks Class G cement plus 2% calcium chloride. Equalized with sea water. Pulled drill pipe to 413'. Broke down with 0 psi through cut. Squeezed with 100 sacks Class G cement plus 2% calcium chloride. Displaced with 57 cubic feet of sea water. Cement in place at 5:00 P.M. Pulled out of hole. Jumped Mobot and backed out 9-5/8" lock screws. Made up 9-5/8" spear. Ran in hole with 9-5/8" spear. Would not set. Pulled out of hole. Set spear. Ran in hole and retrieved 53 feet of 9-5/8" casing. Closed blind rams. Pressure tested through kill line to 1500 psi. O.K.</p>
8-25	-	413' plug	<p>Cut 13-3/8" casing at 400' on third attempt. Sheared pins on subconductor with 2,000 psi, 250,000 pounds. Recovered slip joint, marine conductor, B.O.P. stack, and pile assembly. Deballasted barge to 26.5' draft. Started picking up anchors. Well officially plugged and abandoned on 8-25-65 at 6:00 A.M.</p>

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	388'	600'	13-3/8"	488' RT
15"	600'	950'		
12 1/2"	950'	2478'	11-3/4"	915' RT
DRILL PIPE SIZE: 5"				

P. J. Gross